

MAJOR PLAN SCHEMES OF FOREST DEPARTMENT

State Plan Schemes:

1. Punjab Compensatory Afforestation Fund Management and Planning Authority (State Authority)

(i) Background:-

Govt. of India notified Compensatory Afforestation Fund Act, 2016 (CAF Act) and further notified Compensatory Afforestation Fund Rules, 2018 on 10 August, 2018. In compliance to Section 10 (1) of the CAF Act, 20'16, Ministry of Environment and Forest & Climate Change, New Delhi, constituted the Punjab State Compensatory Afforestation Fund Management and Planning Authority vide Notification dated 14.09.2018. Punjab State Compensatory Afforestation Fund was established by Govt. of Punjab, Department of Forests and Wildlife Preservation vide Notification No.27/24/2018-FT-4/1418327/1 dated 12.02.2019. The State Authority has following three tier structure:

a) The Governing Body headed by Hon'ble Chief Minister, Punjab.

b) The Steering Committee with Worthy Chief Secretary, Punjab as Chairperson.

c) The Executive Committee with Principal Chief Conservator of Forests (HoFF) as Chairperson. As per Compensatory Afforestation Fund (CAF) Rules, the works under Compensatory Afforestation require a prior approval of Govt. of India.

d) Funds are to be utilised for undertaking artificial regeneration (plantations), assisted natural regeneration, protection of forests, forest related infrastructure development, wildlife protection and other related activities and for matters connected therewith or incidental thereto.

(ii) Achievements of the Scheme:

Plantation under Compensatory Afforestation(CA) and Net Present Value (NPV) and total expenditure incurred on other allied activities for five years is as under:-

Sr. No.	Year	Plantation (in Ha.)			Expenditure (Rs. in Crore)	Remarks
		CA	NPV	Total		
1	2017-18	1057.916	1704.00	2761.916	59.19	
2	2018-19	1230.00	2332.00	3562.00	81.27	Exp. on afforestation, maintenance of previous year plantation and other allied activities as per approved APO's
3	2019-20	1322.00	4570.00	5892.00	64.73	
4	2020-21	311.97	4458.00	4769.97	128.59	
5	2021-22	644.595	5077.00	5721.595	167.82	

Targets for the year 2022-23

Physical Targets:

- Plantation on approximately 5886.861 ha. will be undertaken in the year 2022-23.
- Other Activities like Silvicultural operations, Soil and Moisture Conservation works , Forest Protection Measures, Biodiversity Management and publicity cum awareness programme etc will also be undertaken

Budget Provision: 240.00 Crore

2. Greening Punjab Mission (GPM)

(i) **Background:-**For giving impetus to the activities related to Conservation and development of existing forest and tree cover and further enhancement of the same in the State, the council of ministers decided (June 2012) to establish a Corpus Fund titled “Greening Punjab Fund”. The contribution to this fund was to be from various Boards, Corporations, Authorities and Department of State. The following objectives and functions are achieved through the Greening Punjab Fund:-

- Creation of Green cover by planting maximum possible number of trees on all available lands in the State both forest and non-forest land.
- To raise nurseries
- Providing of necessary arrangements for protection of plantations raised under this mission.
- Creation of public awareness
- Setting up and maintenance of Forest awareness parks in the State
- Forestry research and training activities etc.

(ii) **Implementation Area:-**Whole Punjab preferably non- forest area.

(iii) **Achievement under Greening Punjab Mission for last five years is as under:-**

Sr No	Year	Plantation (in ha)	Expenditure (Rs. in Lakh)
1	2017-18	104.00	49.99
2	2018-19	500.00	248.60
3	2019-20	385.00	192.37
4	2020-21	156.50	133.83
5	2021-22	380.00	307.99
	Total	1525.50	932.78

(iv) Targets for the year 2022-23

Physical Targets:

Plantation on approximately 510 ha. will be undertaken in the year 2022-23. Besides, 95 Pavittar Van and 154 Nanak bagichis will also be developed.

Financial Target: 5674.46 lakh

3. Ft. 23 Punjab Community & social forestry project, promotion to e-governance, research, training, extension and Forestry Education.

The Forest Department is launching “Shaheed Azam S. Bhagat Singh Hariawal Lehar” dedicated to the 115th birth anniversary of Shaheede Azam Bhagat Singh Ji to improve the environment in the state of Punjab. The Punjab state is the predominant state and only 6.87 per cent of it is under tree cover whereas according to the National Forest Policy, at least 33 per cent of the state's area should be under tree cover for a balanced environment. Most of the population of Punjab lives in villages or towns. Various steps have been taken by the government in the recent past to make villages and towns greener, but if continuous such steps are taken, only then Punjab State can reach the target of 7.5 per cent area under trees by the year 2030. To achieve this target, Punjab Forest Department now planned to plant a total of 60 lakh trees of forestry, horticulture and medicinal plants in 117 assembly constituencies of the state. It is also proposed to plant 50,000 saplings per constituency and to establish 115 Trivenis (Pipple, Bohr and Neem) in each constituency with the intention of celebrating the 115th birth anniversary of Shaheede Azam S. Bhagat Singh.

Budget Provision: 10.00 Crore

4. FT03-Assistance for Development of Selected Zoos

(i) Background

There is one large category Zoo and four small zoos in the State. The M.C. Zoological Park, Chhatbir is a large category Zoo spread over a natural forest of 505 acres in Chhat village of S.A.S. Nagar district with about 1637 animals of more than 128 species, some of which are rare and endangered. The small zoos in the State are located at BirTalab (Bathinda); Ludhiana Zoo; Neelon Zoo; Bir Motibagh (Patiala) and Bird Aviary at Patiala. Approximately one third of budget of all the zoos are met from the

Punjab zoos development society funds (PZDS). The funds were used after APO of all the zoos were approved by the Executive Body of PZDS under the chairmanship of FC(F), Punjab. There was budget provision of Rs. 10.00 crores in 2020-21 and Rs. 12.00 crores in 2021-22 for various infrastructures and other development works to be carried out in Chhatbir Zoo and other zoos of Punjab.

(ii) Achievement in Last Year (2021-22)

Rs. crore were utilised for various infrastructure and developments carried out in M.C. Zoological Park and Patiala Zoo.

(ii) Budget Provision for the year 2022-23 -13.00 crore

5. FT14-Conservation, Management and Development of Wildlife in the State

(i) Background

For conservation and protection of wildlife in the State, a plan Scheme in the State has been implemented. The Protected Areas Network of the State consists of 13 Wildlife Sanctuaries (WLS), 4 Community Reserves and 5 Conservation Reserves. Out of these, six WLS are located in Patiala and one each in Sangrur, Hoshiarpur, Tarn Taran, Ferozepur and Gurdaspur districts and two in Ropar district. Harike WLS is a typical wetland and a Ramsar Site in Tarn Taran district representing riverine/wetland ecosystem. Abohar WLS is primarily a Protected Area on private land in Ferozepur district and the best example of a community participatory management approach for wildlife protection in India. Lalwan in Hoshiarpur, Keshopur-Miani in Gurdaspur, Panniwala-Gumjal in Fazilka and Siswan in S.A.S. Nagar are recently notified Community Reserves in the State. RakhSarai Amanant Khan in Amritsar, RanjitSagar Dam in Gurdaspur, Ropar Wetland in Ropar, Kali Bein in Kapurthala and Beas River (185 Km. stretch from Talwara Head to Harike Barrage) are recently notified Conservation Reserves in the State.

(ii) Achievement during the year 2021-22

Rs.692.15 lakh were utilised for conservation and protection of wildlife in and outside Protected Areas of the State.

(iii) Budget Provision for the year 2022-23 -10.00 Crore

Centrally Sponsored Schemes:

6. FT-30 Assistance to State Forest Development agency under National mission for Green India.

(i) Background: - The National Mission for a Green India (GIM) was announced as one of the eight Missions under the National Action Plan on Climate Change(NAPCC).GIM is based on a holistic view of greening and focuses not on carbon sequestration targets alone, but, on multiple ecosystem services, especially, biodiversity, water, biomass etc. along with climate adaptation and mitigation as eco-benefit. It has the following broad objectives:

- I. Increased forest/ tree cover and improved quality of forest/ tree cover of forest/non-forest lands
- II. Improved/enhanced eco-system services like carbon sequestration and storage (in forests and other ecosystems), hydrological services and biodiversity along with provisioning services like fuel, fodder, and timber and non-timber forest produces (NTFPs)
- III. Increased forest based livelihood income of households.

(iv) **Implementation Area:-** This project is implemented in 5 kandi Forest divisions i.e Ropar, SAS Nagar, Nawanshahr, Hoshiarpur and Dasuya.

(v) **Achievement under Green India Mission for last Five years is as under:-**

Sr. No.	Year	Plantation (in ha.)	Expenditure including support activities (Rs. in Lakh)
1	2017-18	1732	1016.27
2	2018-19	NIL	-
3	2019-20	NIL	-
4	2020-21	1100	655.42
5	2021-22	875	552.90
	Total	3707	2224.59

(iv) Targets for the year 2022-23

Physical Targets:Plantation on approximately 1575 ha. will be undertaken in the year 2022- 23. Besides, livelihood activities will also be undertaken

Budget Provision: 12.00 Crore

7. Sub-Mission on Agroforestry (SMAF)

(i) Background:-The SUB-MISSION ON AGRO-FORESTRY (SMAF) is a scheme started by Ministry of Agriculture and Farmers Welfare, Government of India under National Mission for Sustainable Agriculture (NMSA) in **year 2016-17** with a focus to enhance income of farmers and also to diversify land use from agriculture to agro-forestry to certain extent. This scheme is operational since Year 2016-17 with funding pattern **60:40** as GOI: State Govt. basis. Under this scheme, farmers are to be given financial assistance by way of direct benefit transfer through their Aadhar linked saving bank accounts based on the plants planted in their agricultural field and their survival.

(ii) Implementation Area:-The scheme is being implemented throughout the state of Punjab, which means that farmers residing in more than 12581 villages of Punjab are eligible for financial assistance under this scheme.

(iii) Achievement under SMAF for last five years is as Under:

Sr No	Year	Farmers registered	Subsidy given (Rs in lakh)	No of plants Planted (in lakhs)
1	2017-18	1414	250.00	14.65
2	2018-19	3389	213.33	35.29
3	2019-20	3736	534.08	45.61
4	2020-21	3768	451.10	46.93
5	2021-22	1571	267.04	22.76
	Total	13878	1715.55	165.24

(iv) Targets for the year 2022-23

Physical Targets:

Under this Scheme, approximately 30 lakh plants will be planted by the farmers during 2022-23.

Budget Provision: 14.00 crore

8. Ft13 Assistance to Punjab State Wetland Authority for conservation and Management of Wetlands in State (60:40)

(i) Background

The mandate of implementation of Wetlands (Conservation & Management) Rules, 2017 and implementation of wetlands action plan was earlier vested with Punjab State Council for Science & Technology which was transferred to Department of Forests and Wildlife Preservation by the Government. Thereafter PSWA was constituted under the Chairmanship of Hon'ble Chief Minister, Punjab with Additional Secretary (Forests) as Member Secretary. The main functions of PSWA such as to define strategies for conservation and wise-use of wetlands in the State, implementation of wetlands conservation and management rules, identification of new wetlands and their notification, digital inventory of all wetlands in the State, Inter sectoral and interdepartmental coordination for integrated action for the conservation and management of wetlands in the State, preparation, evaluation and implementation of integrated management action plans of all notified wetlands etc.

This is the main scheme of the Department for dealing with all wetland conservation and management related issues.

- (i) **Achievement:** Nil. Due to non-availability of funds..
- (ii) **Budget Provision for the year 2022-23** -6.00 Crore

Directory of Schemes in Department of Dairy Development

I. SCHEMES BY DAIRY DEVELOPMENT DEPARTMENT, PUNJAB

1. **Establishing New Dairy Unit:** Interested Farmers, after having two-weeks training from the department can apply for establishing new dairy unit.
2. **Dairy Loan for Commercial Dairy Farms:** under this scheme, farmers can establish their own dairy farms. Loan will be provided to the beneficiaries for purchasing dairy animals (atleast 20 animals) at minimum interest rates.
3. **Subsidy for Purchase of Machinery at Dairy Farms:**

S.NO	Component	Pattern of Assistance
1.	Fodder Harvester	Subsidy @ 25% subject to the maximum of Rs. 50,000/-
2.	Self Propelled Forage Cutter (beneficiary must have minimum 10 milch animals to avail subsidy under this)	Subsidy @ 25% subject to the maximum of Rs. 50,000/-
3.	Mobile Automatic Milk Vending Machine Unit	
	a. Mobile Automatic Milk Dispensing Unit b. Bulk Milk Cooler (BMC of 500 ltr) c. Generator (7.5 KVA) d. Vehicle	Subsidy @ 50% subject to the maximum of Rs. 4.00 lakh

4. Capacity Building/Training of farmers:

- i. **One day awareness camp:** With the objective of enhancing knowledge and skills of milk producers, one day awareness camps have started by department at block level. Knowledge has been imparted on dairy farming and management techniques at every block.
- ii. **Milk production training and extension camp:** This programme has started especially for remote areas where villagers/farmers generally didn't get extension services.

- iii. Milk consumer awareness camp and milk consumer awareness for students by holding camps in Senior Secondary Schools:** It was felt that the most effective deterrent against adulteration in milk and sale of spurious milk was to create awareness among the consumers about the quality of milk they buy. With this background, the Punjab Dairy Development Board (PDDB) launched a sustained campaign through the Dairy Development Department. Under this programme, the Board has provided automatic milk analyzers, adulteration detection kits and other infrastructure. Milk consumer awareness camps are organized with the help of this infrastructure in the cities/ towns after giving due publicity, where milk samples brought by the consumers are tested free of cost and results are given on the spot. The department also hold camps for students of senior classes in the schools to arouse awareness among them of the utility of milk for their physical and mental health, constituents of milk, usefulness of each constituent, possible adulteration and their detection at home. For this purpose, An expert in food science will be engaged to address the students and answer their queries.
- iv. 2-week dairy training programme:** The department imparts two weeks training to the un-employed rural youth at the dairy training and extension centers of the department. The main objective of these trainings is to provide knowledge on dairy farming techniques such as breeds of dairy animals, nutrient requirements of animals, construction and management of dairy sheds, management of small animals/calves etc. This training programme is essential for farmers who want to start new dairy units/farms.
- v. 6-week dairy training programme:** With the objective of making the dairy farmers self dependant, six week trainings has been started at all the Dairy Training and Extension Centers. Besides, giving knowledge on different techniques of dairy farm management, the candidates are imparted training in artificial insemination, pregnancy diagnosis and milk handling etc.

Directory of Schemes in Department of Fisheries, Punjab

I. Central Sector Scheme on Blue Revolution

Introduction:

Blue Revolution, the Neel Kranti Mission has the vision to achieve economic prosperity of the country and the fishers and fish farmers as well as contribute towards food and nutritional security through full potential utilization of water resources for fisheries development in a sustainable manner, keeping in view the bio-security and environmental concerns.

Objectives:

- i. To fully tap the total fish potential of the country both in the inland and the marine sector and triple the production by 2020
- ii. To transform the fisheries sector as a modern industry with special focus on new technologies and processes
- iii. To double the income of the fishers and fish farmers with special focus on increasing productivity and better marketing postharvest infrastructure including e-commerce and other technologies and global best innovations
- iv. To ensure inclusive participation of the fishers and fish farmers in the income enhancement
- v. To triple the export earnings by 2020 with focus on benefits flow to the fishers and fish farmers including through institutional mechanisms in the cooperative, producer companies and other structures
- vi. To enhance food and nutritional security of the country

STRATEGY - CENTRAL SECTOR ASSISTANCE SCHEMES

The Ministry of Agriculture and Farmers Welfare, Department of Animal Husbandry, Dairying & Fisheries has accordingly restructured the scheme by merging all the ongoing schemes under an umbrella of Blue Revolution. The restructured scheme provides focused development and management of fisheries, covering inland fisheries, aquaculture, and marine fisheries including deep sea fishing, mariculture and all activities undertaken by the National Fisheries Development Board (NFDB).

Scheme Components and Pattern of Assistance:

The Scheme has following broad components (with respect to Punjab state):

1. Development of Marine Fisheries, Infrastructure and Post-Harvest Operations

S. No	Component	Unit Cost	Central financial assistance	Terms and Conditions
1.	Strengthening of Post-Harvest Infrastructure			
1.1	Development of Post-Harvest infrastructure Projects eligible for central financial assistance under this sub-component are: i. Ice plants ii. Cold Storages iii. Ice plants cum-cold storages	Rs.2.50 lakh per tonne	50% of the unit cost with a ceiling of Rs.50 lakh per plant project in General States.	<ol style="list-style-type: none">i. Beneficiaries shall provide documentary evidence of availability of requisite land free from all encumbrances and financial resources along with necessary clearances/ permissions etc. in the DPR. No funds shall be provided for the land.ii. Cost estimates shall be based on the latest SoRs admissible in the project area and prevailing market rates.iii. The beneficiaries shall certify that all operational and maintenance costs of the infrastructure facilities shall be borne by them in future.iv. The beneficiaries shall submit self-contained proposals together with documentary evidences in respect of (i) to (ii) above.v. The proposal shall be routed through the concerned

				State Governments/ UTs with clear recommendation.
1.2	<p>Renovation /modernization of existing</p> <p>a) Ice plants b) Cold c) storages and d) Ice plants-cum- e) cold f) storages</p>	Rs 1.50 lakh per tonne	50% of the unit cost with a ceiling of Rs. 30 lakh per plant project	<p>i. The broad items for renovation/modernization of the existing plants shall include civil works of the existing building, replacement of plants & machineries, electrification & water supply & sanitation works etc., with a view to enhance the efficacy of the existing plant.</p> <p>ii. The beneficiaries should have the ownership of the existing infrastructure plant/facilities.</p> <p>iii. Renovation/modernization of existing & operational plants of minimum 10 years old only may be considered for funding on one time basis.</p> <p>iv. The beneficiaries should clearly indicate the source of balance funding for the project.</p> <p>v. Cost estimates shall be based on the latest SoRs admissible in the project area and prevailing market rates.</p> <p>vi. The beneficiaries shall confirm that all operational and maintenance costs of the modernized plant/ infrastructure facility shall be borne by them.</p> <p>vii. The beneficiaries shall submit self-contained proposals together with documentary evidences in</p>

				respect of (ii) to (vi) above. /iii. The proposals shall be routed through the concerned State Governments/ UTs with clear recommendation.
1.3	Development of Retail Fish Markets and Allied Infrastructure (Items: Modern hygienic fish market with a minimum of 10 retail outlets, 20 retail outlets, and 50 retail outlets units with common cold storage facility, waste collection & disposal units, fish cleaning and dressing space, auctioning platforms, water and power supply facilities etc.)	As per actual with a ceiling of as below: (a) Rs.100 lakh for a fish market of 10 unit retail outlets, (b) Rs 200 lakh for a fish market of 20 unit retail outlets, (c) Rs 500 lakh for a fish market of 50 units or more retail outlets.	50% of the unit cost with a ceiling of (i) Rs.50 lakh for a fish market of 10 units of retail outlets, (ii) Rs.100 lakh for a fish market of 20 units of retail outlets and (iii) Rs. 250 lakh for a fish market of 50 units or more retail outlets.	(i) Beneficiaries shall provide documentary evidence of availability of requisite land free from all encumbrances and financial resources along with necessary clearances/permissions etc. in the DPR. No funds shall be provided for the land. (ii) The beneficiaries shall complete the planning, designing of the market facilities and cost estimates etc. through professionals in the subject. (iii) Cost estimates shall be based on the latest SoRs admissible in the project area and prevailing market rates. (iv) The post-construction operational and maintenance costs of the infrastructure facility shall be borne by the beneficiaries. (v) The beneficiaries shall submit self-contained proposals together with documentary evidences in respect of (i) to (iv) above. (vi) The proposals shall be routed through the concerned State Governments/ UTs with clear recommendation. (vii) NFDB shall take up development and management of

				fish markets on commercial approach at feasible locations.
1.4	Setting up of mobile/retail fish outlet (Kiosk) (kiosk along with one fish storage/display cabin, one visi cooler, weighing machine, facilities/ utensils for fish cutting cleaning facilities)	As per actual with a ceiling of Rs. 10 lakh per unit.	50% of the unit cost with a ceiling of Rs. 5 lakh per unit.	<p>(i) Beneficiaries shall provide documentary evidence of availability of requisite land (wherever required) free from all encumbrances and financial resources along with necessary clearances/permissions (wherever required) etc. in the DPR. No funds shall be provided for the land.</p> <p>(ii) Cost estimate for construction of fish retail outlet/kiosk shall be based on the latest SoRs admissible in the project area, and cost estimate for mobile outlet shall be based on prevailing market rates.</p> <p>(iii) The post-construction operational and maintenance costs of the fish retail outlet/kiosk/mobile fish retail outlet shall be borne by the beneficiaries.</p> <p>(iv) The beneficiaries shall submit self-contained proposals together with documentary evidences in respect of (i) to (iii) above.</p> <p>(v) The proposals shall be routed through the concerned State Governments/ UTs with clear recommendation.</p> <p>(vi) Fish retail outlet/kiosk shall be of a minimum floor area of 100 Sq.ft (static).</p> <p>(vii) Priority shall be given to SCs/STs/women/unemployed youth.</p>

1.5	Assistance for fish transport infrastructure			
1.5.1	Refrigerated truck/container of a minimum 10 tonne capacity.	As per actual with a ceiling of 25 lakh per truck.	50% of the unit cost with a ceiling of Rs. 12.50 lakh per truck.	<p>(i) Maintenance & operational costs of the fish transport vehicles shall be met by the beneficiaries at their own cost.</p> <p>(ii) Government of India shall not be responsible for any losses incurred on procurement, operation, maintenance and management of the fish transport facilities.</p> <p>(iii) Beneficiaries should ensure that fish transport facilities are maintained in operational condition.</p> <p>(iv) Beneficiaries shall be abide by rules/regulations, if any imposed by the concerned State/UT as well as Central Government on maintenance & operation of the fish transport facilities.</p> <p>(v) Beneficiaries shall ensure that the fish transport vehicles/facilities procured under the scheme will be used only for transport of fish and fisheries related items and not for any other purposes.</p> <p>(vi) In case, it is found at any point of time that the fish transport vehicles procured under the scheme are used for other than the fisheries purposes, the Government of India will recover the entire central assistance with interest from the beneficiaries.</p>

				(vii) Beneficiaries will display permanently to the effect that the fish transport vehicle is procured with financial assistance from the Government of India, Ministry of Agriculture, Department of Animal Husbandry, Dairying and Fisheries.
1.5.2	Insulated truck of a minimum 10 tonne capacity.	As per actual with a ceiling of 20 lakh per truck.	50% of the unit cost with a ceiling of Rs. 10 lakh per truck.	
1.5.3	Insulated Truck of a minimum 6 tonne capacity	As per actual with a ceiling of 15 lakh per truck.	50% of the unit cost with a ceiling of Rs. 7.50 lakh per truck.	
1.5.4	Auto rickshaw with ice box	As per actual with a ceiling of Rs.2 lakh per unit	50% of the unit cost with a ceiling of Rs. 1 lakh per unit.	
1.5.5	Motorcycle with ice box	As per actual with a ceiling of Rs. 0.60 lakh per unit.	50% of the unit cost with a ceiling of Rs. 0.30 lakh per unit.	
1.5.6	Bicycle with ice box	As per actual with a ceiling of Rs. 3000/- per unit.	50% of the unit cost with a ceiling of Rs. 1500/- per unit.	
2	Innovative activities			
	Innovative Activities	Actual	50% of the unit cost with a	(i) Innovative activities shall broadly cover fisheries

			<p>ceiling of Rs. 50 lakh for each project for General States.</p>	<p>management, conservation, induction of new technology in fishing and allied activities including onboard handling of fish, diversification of species to enhance the production and productivity, new technologies in mariculture, fish culture, Re-circulatory Aquaculture Systems (RAS) with a minimum capacity of 500 tonnes/year, cage/pen culture including auto feed technology, energy efficient operation of post harvest infrastructure facilities such as FHs/FLCs etc, fisheries waste management, improvement in hygienic conditions of the post harvest infrastructure facilities including deboning machine etc., post harvest processing and value added products, promotional activities and any unforeseen activities etc.</p> <p>(ii) The States/UTs/Agencies are requested to submit self contained proposal clearly indicating the innovative activities, capabilities of implementing agencies, anticipated outcomes/outputs (both in terms of qualitative and quantitative) and broad long-term impact on local fisheries etc.</p>
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2. Development of Inland Fisheries and Aquaculture

Sr No	Component	Unit Cost	Central financial assistance	Terms and Conditions
1	Development of Freshwater/Brackishwater Aquaculture			
1.1	Construction of new ponds/tanks (including construction of sluice gates, civil works for water supply and aeration appliances, feed storing shed etc.)	As per actual cost subject to a ceiling of Rs. 7 lakh per ha	50% of the unit cost with a ceiling of Rs.3.50 lakh per ha	<p>(i) Beneficiaries shall provide documentary evidence of availability of requisite land free from all encumbrances and financial resources along with necessary clearances/ permissions etc. in the DPR. No funds shall be provided for the land.</p> <p>(ii) The constructed ponds shall have a minimum water depth of 1.5m.</p> <p>(iii) Central financial assistance shall be restricted to a maximum area of 2 ha for individual beneficiary, 2 ha x number of members for cooperatives/ collectives subject to viability of pond sizes and with a ceiling of 20 ha. for group/collectives. The project proposals in this category shall be routed through the concerned State /UT Government with proper recommendations.</p> <p>(iv) For Central and State Government</p>

				organizations/ federations/corporations/ agencies etc financial assistance for quantum of hectareage shall be decided on case to case basis in consultation with the concerned applicant.
1.2	Renovation of existing ponds/tanks (repair and strengthening of bunds, repair of electrical and water supply works and other accessories/ equipment, desiltation, repair/ installation of sluice gates, site clearing, Dewatering etc.)	Rs. 3.5 lakh/ha	50% of the unit cost with a ceiling of Rs.1.75 lakh per ha.	<p>(i) Beneficiaries shall provide documentary evidence on ownership of the existing ponds/tanks, financial resources along with necessary clearances/ permissions (if any required) etc. in the DPR.</p> <p>(ii) Renovation/ repair/ desilting of existing ponds/tanks, other related civil works etc. may be considered for funding only after 5 years on one time basis.</p> <p>(iii) Central financial assistance shall be restricted to a maximum area of 2 ha for individual beneficiary, 2 ha x number of members for cooperatives/ collectives subject to viability of pond sizes and with a ceiling of 20 ha. for group/collectives.</p> <p>(iv) The project proposals (except for central Govt organizations/instates) shall be routed through the concerned State/UT Government with proper</p>

				recommendations.
1.3	Renovation of MNERGA ponds and tanks, new water bodies created under various State Govt/central programme including wetland development department etc.	Rs. 3.5 lakh/ha	50% of the unit cost with a ceiling of Rs.1.75 lakh per ha	<p>(v) Beneficiary organizations /agencies shall provide documentary evidence on ownership of the ponds/tanks, financial resources along with necessary clearances/ permissions (if any required) etc. in the DPR.</p> <p>(vi) Renovation/repair/ desilting of the ponds/tanks, other related civil works etc. may be considered for funding only after 5 years on one time basis.</p> <p>(vii) Central financial assistance shall be restricted to a maximum area of 2 ha for individual beneficiary, 2 ha x number of members for cooperatives/collectives subject to viability of pond sizes and with a ceiling of 20 ha. for group/collectives.</p> <p>(viii) The project proposals (except for central Govt organizations/instates) shall be routed through the concerned State/UT Government with proper recommendations.</p>
1.4	Rejuvenation of Urban/Semi-Urban/ Rural Lakes/Tanks for fish culture	Rs. 3.5 lakh/ha	50% of the unit cost with a ceiling of Rs.1.75 lakh per ha	(i) Beneficiary organizations/ agencies shall provide documentary evidence on ownership of the

				<p>ponds/tanks, financial resources along with necessary clearances/ permissions (if any required) etc. in the DPR.</p> <p>(ii) Renovation/repair/ desilting of the ponds/tanks, other related civil works etc. may be considered for funding only after 5 years on one time basis.</p> <p>(iii) Central financial assistance shall be restricted to a maximum area of 2 ha for individual beneficiary, 2 ha x number of members for cooperatives/collectives subject to viability of pond sizes and with a ceiling of 20 ha. for group/collectives.</p> <p>(iv) The project proposals (except for central Govt organizations/instates) shall be routed through the concerned State/UT Government with proper recommendations.</p>
1.5	Inputs Cost for freshwater fish culture and brackishwater fish/shrimp culture (items at 1.1 to 1.4 above)			
1.5.1	For freshwater fish culture (unit cost includes cost of fish/prawn seed, feed, manure, disease prevention measures, transportation charges etc.)	<p>(a) Finfish Culture: As per actual cost subject to a ceiling of Rs. 1.50 lakh/ha</p> <p>(b) Fresh water</p>	<p>(a) Central assistance for Finfish culture is restricted at 50% of project/unit cost with a ceiling of Rs.0.75 lakh/ha for all beneficiaries and</p>	<p>(i) This input cost shall be provided for the ponds/ waterbodies mentioned at S.No.1.1 to 1.4 above with the ceiling indicated therein.</p> <p>(ii) Beneficiaries shall be provided central assistance for input costs for the initial crop only in</p>

		prawn/trout culture: As per actual cost subject to a ceiling of Rs. 2.50 lakh/ha	(b) Central assistance for Freshwater prawn/ trout culture is restricted to 50% of the unit cost with a ceiling of Rs.1.25 lakh/ha	the newly constructed/renovated ponds/tanks. (iii) Central assistance for input cost shall be released only after the ponds/tanks are ready for culture.
1.5.2	For brackish water fish/shrimp culture (unit cost includes cost of fish/shrimp seed, feed, manure, disease prevention measures, transportation charges, etc.)	(a) Finfish Culture: As per actual cost subject to a ceiling of Rs. 2.00 lakh/ha (b) Culture of shrimp such <i>L.vannamei</i> / <i>P.monodon</i> etc: As per actual cost subject to a ceiling of Rs. 3.00 lakh/ha	(I) Central assistance for Finfish culture is restricted at 50% of unit cost with a ceiling of Rs.1.00 lakh/ha for all beneficiaries in general States (II) Central assistance for culture of <i>L.vannamei</i> / <i>P.monodon etc</i> is restricted at 50% of the unit cost with a ceiling of Rs.1.50 lakh/ha to all beneficiaries	(i) This input cost shall be provided for the ponds/waterbodies mentioned at S.No.1.1 to 1.4 above with the ceiling indicated therein. (ii) Beneficiaries shall be provided central assistance for input costs for the initial crop only in the newly constructed/renovated ponds/tanks. (iii) Central assistance for input cost shall be released only after the ponds/tanks are ready for culture.
1.6	Establishment of Fish seed hatcheries for Indian Major Carps and other specific cultivable fin fish.	As per actual cost subject to a ceiling of Rs. 25.00 lakh per hatcheries of 2 ha area.	50% of the unit cost with a ceiling of Rs.12.50 lakh per hatchery.	(i) Beneficiaries shall provide documentary evidence of availability of requisite land free from all encumbrances and financial resources, necessary clearances/permissions etc. with full technical details including bio-security measures in the DPR. No funds shall be provided for the land. (i) The project proposals from individual beneficiaries, cooperatives/ collectives shall be

				<p>routed through the concerned State /UT Government with proper recommendations.</p> <p>(iii) Fish hatchery shall have a minimum capacity of 10 million fry/year with minimum area of 2 ha.</p> <p>(iv) Fish hatchery shall include brooder pond, nursery ponds, rearing tanks, small laboratory, water & electric supply, required infrastructure facilities etc.</p> <p>(v) The fish hatchery should be managed by the required qualified technical staff.</p> <p>(vi) Beneficiary organizations shall ensure supply of seed produced from the central assisted hatcheries to farmers at affordable/reasonable price.</p> <p>(vii) Post construction operation, management and maintenance of the hatcheries shall be carried out in a satisfactory manner by the beneficiaries at their own costs.</p> <p>(viii) NFDB shall also directly set up & manage the hatcheries with commercial approach at suitable location.</p>
1.7	Establishment of Freshwater/	As per actual cost	50% of the unit cost with a ceiling	(i) Beneficiaries shall provide documentary

	<p>Brackishwater Prawn Hatcheries.</p>	<p>subject to a ceiling of Rs. 50 lakh per unit with a minimum capacity of 5 million post larvae per year.</p>	<p>of Rs. 25 lakh per hatchery.</p>	<p>evidence of availability of requisite land free from all encumbrances and financial resources, necessary clearances/permissions etc. with full technical details including bio-security measures in the DPR. No funds shall be provided for the land.</p> <p>(ii) Fisher cooperatives/ collectives shall be eligible for central financial assistance and should route their proposals through the concerned State /UT Government with proper recommendations.</p> <p>(iv) Beneficiary should have the requisite technical expertise and trained manpower for construction, operation and management of the hatchery,</p> <p>(v) The hatchery shall include brooder pond, PL rearing tanks, small laboratory, water & electric supply, biosecurity arrangements and required infrastructure facilities etc.</p> <p>(vi) Beneficiaries organisations shall ensure supply of seed produced from the central funded hatcheries to farmers at affordable/reasonable price.</p> <p>(ix) Post construction operation, management and maintenance of the hatcheries shall be carried out</p>
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				<p>in a satisfactory manner by the beneficiaries at their own costs.</p> <p>(x) NFDB shall also directly set up & manage the hatcheries with commercial approach at suitable location.</p>
1.8	Solar power support system for aquaculture	As per actual with a ceiling of Rs. 15.00 lakh per unit	50% of the unit cost with a ceiling of Rs.7.50 lakh per unit.	<p>(i) Solar energy system to operate water pump, aerator and other uses in fish culture and fisheries.</p> <p>(ii) Beneficiaries shall be provided central assistance for procurement & installation of solar power support system for fisheries on onetime basis.</p> <p>(iv) Central assistance for input cost shall be released only after the ponds/tanks are ready for culture.</p>
2	Cold Water Fisheries and Aquaculture			
2.1	Construction of permanent farming units and Raceways	As per actual cost subject to a ceiling of Rs. 2 lakh per unit of minimum volume of 50 m ³	50% of the unit cost with a ceiling of Rs. 1 lakh per unit.	<p>(i) Beneficiaries shall provide documentary evidence of availability of requisite land free from all encumbrances and financial resources along with necessary clearances/ permissions etc. in the DPR. No funds shall be provided for the land.</p> <p>(ii) Central financial assistance shall be restricted to a maximum area of 4 units for individual</p>

				farmer/ beneficiary, 10 units for fisher cooperatives/ federations and Entrepreneurs. The project proposals in this category shall be routed through the concerned State /UT Government with proper recommendations.
2.2	Running cold water fish culture in earthen units	As per actual cost subject to a ceiling of Rs. 1 lakh/unit of minimum volume of 100 m ³	50% of the unit cost with a ceiling of Rs.0.50 lakh per unit.	(i) Beneficiaries shall provide documentary evidence of availability of requisite land free from all encumbrances and financial resources along with necessary clearances/ permissions etc. in the DPR. No funds shall be provided for the land. (ii) Central financial assistance shall be restricted to a maximum 4 units of fish culture for individual farmer/ beneficiary, 40 units for fisher cooperatives/ federations and Entrepreneurs. The project proposals in this category shall be routed through the concerned State /UT Government with proper recommendations.
3.	Development of Waterlogged Areas			
3.1	Development of Waterlogged areas	As per actual cost subject to a ceiling of Rs 5.00 lakh/hectare.	50% of the unit cost with a ceiling of Rs.2.50 lakh per ha	(i) Beneficiaries shall provide documentary evidence of availability of requisite land free from all encumbrances and financial resources along

				with necessary clearances/ permissions etc. in the DPR. No funds shall be provided for the land. (ii) Central financial assistance shall be restricted to a maximum area of 5 ha for individual beneficiary, 5 ha x number of members for cooperatives/ collectives subject to viability of pond sizes. The project proposals in this category shall be routed through the concerned State /UT Government with proper recommendations.
3.2	Inputs Cost (unit cost includes cost of fish/prawn seed, feed, manure, disease prevention measures, transportation charges etc.)	(a) Finfish Culture: As per actual cost subject to a ceiling of Rs. 1.50 lakh/ha (b) Fresh water prawn/trout culture: As per actual cost subject to a ceiling of Rs. 2.50 lakh/ha	(a) Central assistance for Finfish culture is restricted at 50% of unit cost with a ceiling of Rs.0.75 lakh/ha for all beneficiaries (b) Central assistance for Freshwater prawn/ trout culture is restricted to 50% of the unit cost with a ceiling of Rs.1.25 lakh/ha for all beneficiaries	(i) Beneficiaries shall be provided central assistance for input costs for the initial crop only in the newly constructed/renovated ponds/ tanks. (ii) Central assistance for input cost shall be released only after the ponds/tanks are ready for culture.
4.	Productive utilization of Inland Saline/Alkaline Waters for Aquaculture			
4.1	Construction of new ponds/tanks.	As per actual cost subject to a ceiling of Rs. 7 lakh per ha.	50% of the unit cost with a ceiling of Rs. 3.50 lakh per ha	(i) Beneficiaries shall provide documentary evidence of availability of requisite land free from all encumbrances and financial resources along

				<p>with necessary clearances/ permissions etc. in the DPR. No funds shall be provided for the land.</p> <p>(ii) The constructed ponds shall have a minimum water depth of 1.5 m.</p> <p>(iii) Central financial assistance shall be restricted to a maximum area of 2 ha for individual beneficiary, 2 ha x number of members for cooperatives/collectives subject to viability of pond sizes. The project proposals in this category shall be routed through the concerned State /UT Government with proper recommendations.</p> <p>(iv) For Central and State Government organizations/ federations/ corporations/ agencies etc financial assistance for quantum of hectarage shall be decided on case to case basis in consultation with the concerned.</p>
4.2	Input cost (unit cost includes cost of fish/prawn seed, feed, manure, disease prevention measures, transportation charges etc.)	(a) Finfish Culture: As per actual cost subject to a ceiling of Rs. 1.50 lakh/ha	(a) Central assistance for Finfish culture is restricted at 50% of project/unit cost with a ceiling of Rs. 0.75 lakh/ha for all beneficiaries in general States	<p>(i) Beneficiaries shall be provided central assistance for input costs for the initial crop only in the newly constructed/renovated ponds/ tanks.</p> <p>(ii) Central assistance for input cost shall be released only after the ponds/tanks are ready for</p>

		(b) Fresh water prawn/trout culture: As per actual cost subject to a ceiling of Rs. 2.50 lakh/ha	(b) Central assistance for Freshwater prawn/ trout culture is restricted to 50% of the unit cost with a ceiling of Rs.1.25 lakh/ha for all beneficiaries	culture.
5	Inland Capture Fisheries (village ponds, tanks etc.)			
5.1	Fish Seed Rearing Units. <i>(one time grant)</i>	As per actual subject to a ceiling of Rs.6.00 lakh/ha	50% of the unit cost with a ceiling of Rs. 3.0 lakh per ha.	<p>(i) Beneficiaries shall provide documentary evidence of availability of requisite land free from all encumbrances and financial resources along with necessary clearances/ permissions etc. in the DPR. No funds shall be provided for the land.</p> <p>(ii) Beneficiaries shall also produce the documentary evidence on availability of fishing rights/permissions from the competent authorities to fish and develop required facilities in around the reservoirs/tanks etc.</p> <p>(iii) Central financial assistance shall be restricted to a maximum area of 2 ha for individual beneficiary, 2 ha x number of members for cooperatives/collectives subject to viability of fish rearing units and their sizes. The project proposals</p>

				<p>in this category shall be routed through the concerned State /UT Government with proper recommendations.</p> <p>(iv) For Central and State Government organizations/ federations/ corporations/ agencies etc financial assistance for quantum of hectarage of fish rearing units shall be decided on case to case basis in consultation with the concerned.</p> <p>(v) The fish rearing units should be planned, designed, constructed and managed under the supervision of qualified technical experts.</p>
5.2	Input cost (unit cost includes cost of fish/prawn seed, feed, manure, disease prevention measures, transportation charges etc.)	<p>(a) Finfish Culture: As per actual cost subject to a ceiling of Rs. 1.50 lakh/ha.</p> <p>(b) Fresh water prawn/trout culture: As per actual cost subject to a ceiling of Rs. 2.50 lakh/ha.</p>	<p>(a) Central assistance for Finfish culture is restricted at 50% of project/unit cost with a ceiling of Rs.0.75 lakh/ha for all beneficiaries</p> <p>(b) Central assistance for Freshwater prawn/ trout culture is restricted to 50% of the unit cost with a ceiling of Rs.1.25 lakh/ha for all beneficiaries</p>	<p>(i) Beneficiaries shall be provided central assistance for input costs for the initial crop only in the newly constructed fish rearing units.</p> <p>(ii) Central assistance for input cost shall be released only after the fish rearing units tanks are ready for rearing.</p>
5.3	Craft and gear (Unit : boats of appropriate	As per actual cost	50% of the unit cost with a ceiling	(i) Beneficiaries should provide documentary

	<p>sizes including fishing nets, fish & ice holding boxes etc.).</p>	<p>subject to a ceiling of Rs.1.00 lakh per unit.</p>	<p>of Rs.0.50 lakh per unit.</p>	<p>evidence of availability valid fishing license issued by the competent authority.</p> <p>(ii) The project proposals of individual beneficiary (consolidated), cooperatives/ collectives shall be routed through the concerned State /UT Government with proper recommendations.</p> <p>(iii) Beneficiaries shall also produce the documentary evidence of availability of fishing rights/permissions in the reservoirs/tanks etc. from the competent authorities.</p> <p>(vi) For Central and State Government organizations/ federations/ corporations/ agencies etc. financial assistance shall be decided on case to case basis in consultation with the concerned.</p> <p>(vii) The fishing craft/boats may also be shared by a group of fishers/collectives.</p> <p>(viii) Beneficiaries shall be abide by the fishing regulations (if any) on use of size & type of boat/craft and nets etc.</p> <p>(ix) Central assistance shall also be provided for replacement existing boats of more than 5 years old.</p>
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5.4	Construction of landing centers (landing & berthing platforms, auctioning platform/hall, net mending shed etc.)	As per actual cost subject to a ceiling of Rs. 4.00 lakh per landing center.	50% of the unit cost with a ceiling of Rs. 2 lakh per landing center.	<p>(i) Beneficiaries shall provide documentary evidence of availability of requisite land free from all encumbrances and financial resources, necessary clearances/permissions etc. with full technical details of the landing centre in the DPR. No funds shall be provided for the land.</p> <p>(ii) The project proposals of cooperatives/collectives shall be routed through the concerned State /UT Government with proper recommendations.</p>
6.	Integrated Development of Reservoirs			
	Integrated Development of Reservoirs (the proposal shall include the need based activities from the broad activities as below: pre-culture preparation, strengthening of bunds, desilting, dewatering etc., hatcheries, fish rearing units, fish stocking, cage culture, feed mills, boats & nets, landing centers, cold storages, ice plants, fish transport facilities etc.),	As per actual.	50% of the unit cost with a ceiling of Rs.1 crore per project.	<p>(i) This component will be implemented by NFDB with commercial approach.</p> <p>(ii) Beneficiaries shall submit self-contained Detailed Project Report (DPR) with full justification & technical details etc.</p> <p>(iii) Beneficiaries shall provide documentary evidence of availability of requisite land free from all encumbrances, financial resources, necessary clearances/permissions & fishing rights etc. in the DPR. No funds shall be provided for the land.</p> <p>(iv) The DPRs shall also contain details of</p>

				<p>anticipated direct & indirect employment generation, enhancement of fish production and productivity, improvement of economic status of locals, specific time lines for the implementation of the project etc.</p> <p>(v) The project proposals of cooperatives/ collectives/ omnibus/ entrepreneurs shall be submitted to NFDB. The central funds will be provided as back ended subsidy in respect of these beneficiaries.</p>
7	Establishing fish feed mills/plants			
7.1	Small of capacity 1 to 5 quintals/day) Rs 10.00 lakhs	As per actual cost subject to a ceiling of Rs. 10 lakh per plant	50% of the unit cost with a ceiling of (i)Rs.5 lakh per unit for small feed mill plant and (ii) Rs.1 crore per unit for large plant.	<p>(i) Beneficiaries shall submit self-contained Detailed Project Report (DPR) with full justification & technical details of the plant etc.</p> <p>(ii) Beneficiaries shall provide documentary evidence of availability of requisite land free from all encumbrances, financial resources, necessary clearances/ permissions etc. in the DPR. No funds shall be provided for the land.</p> <p>(iii) Beneficiaries organisations shall ensure supply of fish feed produced from the central funded feed mill plants to farmers at affordable/ reasonable</p>

				<p>price.</p> <p>(iv) Post construction operation, management and maintenance of the feed mills shall be carried out in a satisfactory manner by the beneficiaries at their own costs.</p> <p>(v) The project proposals of cooperatives/collectives/ entrepreneurs shall be routed through the concerned State /UT Government with proper recommendations.</p>
7.2	Large (formulated pellet feed plant of a Minimum capacity @ 6 to 10 tonne/hour or more)	As per actual.	<p>50% of the unit cost with a ceiling of</p> <p>(i)Rs.5 lakh per unit for small feed mill plant and</p> <p>(ii) Rs.1 crore per unit for large plant.</p>	<p>(i) This component will be implemented by NFDB with commercial approach.</p> <p>(ii) The project proposals of cooperatives/collectives/ omnibus/ entrepreneurs shall be submitted to NFDB. The central assistance to these agencies will be provided as back-ended subsidy.</p> <p>(iii)Beneficiaries shall submit self-contained Detailed Project Report (DPR) with full justification & technical details of the plant etc.</p> <p>(i) Beneficiaries shall provide documentary evidence of availability of requisite land free from all encumbrances, financial resources, necessary clearances/permissions etc. in the DPR. No funds</p>

				<p>shall be provided for the land.</p> <p>(ii) Beneficiaries organisations shall ensure supply of fish feed produced from the central funded feed mill plants to farmers at affordable/reasonable price.</p> <p>(iii) Post construction operation, management and maintenance of the feed mills shall be carried out in a satisfactory manner by the beneficiaries at their own costs.</p>
8.	Installation of cages/pens in reservoirs and other open water bodies			
	<p>Cages/pens with inputs in reservoirs and other open bodies (inputs include: cost of fish seed, feed, manure, disease prevention measures, transportation charges etc.)</p>	<p>Rs. 3.00 lakhs per cage including installation and inputs for first crop)</p>	<p>50% of the unit cost with a ceiling Rs.1.50 lakh per cage to State Government, State Agencies/ Organisations, Corporations, Federations, Boards, Fishers Cooperatives.</p>	<p>(i) This component will be implemented by NFDB with commercial approach.</p> <p>(ii) The project proposals of cooperatives/ collectives/ omnibus/ entrepreneurs shall be submitted to NFDB.</p> <p>(iii) The applicant shall obtain necessary prior permissions from the concerned State/UT Government and other Competent Authorities for installation of cages in reservoirs and other water bodies.</p> <p>(iv) Fishermen Cooperative Societies, SC/ST Cooperative Societies, Women Self Help Groups,</p>

				<p>Registered Entrepreneurs etc. shall be eligible for back ended subsidy for a maximum of 4 batteries of 6 cages each (24 cages) at a particular location.</p> <p>(v) The unit cost includes capital, operational and maintenance costs on one time basis.</p> <p>(vi)The applicants shall be required to submit self-contained project proposals together with documentary evidence of necessary clearances, permissions etc to avail of the assistance.</p>
9.	Re-circulatory Aquaculture Systems (RAS)			
	Low cost Recirculatory Aquaculture System (RAS)	As per actual cost with a ceiling of Rs. 15.00 lakh per unit	50% of the unit cost with a ceiling of Rs.7.50 lakh per unit/plant.	<p>(i) Beneficiaries shall submit self-contained Detailed Project Report (DPR) with full justification & technical details etc.</p> <p>(ii) Beneficiaries shall provide documentary evidence of availability of requisite land free from all encumbrances, financial resources, necessary clearances/permissions etc. in the DPR. No funds shall be provided for the land.</p> <p>(iii) DPRs shall also contain details of anticipated direct & indirect employment generation to local populations, enhancement of fish production, specific time lines for the implementation of the</p>

				<p>project etc.</p> <p>(iv) Project proposals of cooperatives/ collectives/ omnibus/ entrepreneurs shall be submitted to NFDB. The central assistance to these beneficiaries will be provided as back-ended subsidy.</p> <p>(vi) Post construction operation, management and maintenance of the RAS shall be carried out in a satisfactory manner by the beneficiaries at their own costs.</p> <p>(viii) Infra structure created should have essential requirements for RAS including water treatment units.</p> <p>(ix) The proposed RAS should have a minimum production capacity of 2 MT in each tank of size 5x5x4 m cement tanks.</p>
10	Stocking of fish fingerlings in beels / wetland			
	Stocking of IMC fingerlings in wetlands (beels, chauras etc.) @ 2000 Nos per hectare.	As per actual with a ceiling of Rs. 2.50/ Fingerling.	50% of the unit cost with a ceiling of Rs.1.25 per fingerling.	(i) Beneficiaries shall provide documentary evidence of availability of requisite wetland/ (beels, jeels, chauras etc.) free from all encumbrances and financial resources along with necessary clearances/ permissions etc. in the DPR.

				<p>No funds shall be provided for the land.</p> <p>(ii) Central financial assistance shall be restricted to a maximum area of 2 ha for individual beneficiary, 2 ha x number of members for cooperatives/ collectives. The project proposals in this category shall be routed through the concerned State /UT Government with proper recommendations.</p>
11.	Creation of portal for advisory services to farmers on mobile and internet			
	<p>Creation of Portal for Extending Advisory Services to Fish Farmers, through mobile appliances/ applications, Internet (IEC), ecommerce platform for suppliers, Traders for end-to-end services to farmers, suppliers, trades and all need based services in fisheries.</p>	<p>As per actual.</p>	<p>100% of the actual cost of the project/component.</p>	<p>(i) This activity/component shall be carried out through the central Government Institutions/agencies/ corporations such as NIC, NICSII, Central Public Sector Undertakings (CPSUs), Fisheries Institutes including ICAR Institutes etc.</p> <p>(ii) A dedicated portal for fisheries shall be created to extending of advisories, dissemination of information, networking fish markets and fish landing centres, compilation of various fishers related database, e-commerce platform for suppliers, Traders for end-to-end services to farmers, suppliers, trades and all need based</p>

				<p>services in fisheries etc.</p> <p>(iii) The agencies shall submit self-contained proposals with technical and financial details etc.</p>
12.	Training, Skill development and capacity building to fish farmers and other stakeholders in all fisheries related activities both marine and inland fisheries.			
	Training, Demonstration/Local field visit		100% of the actual cost of the training programme.	<p>(i) Training, skill development & capacity building programmes for fish farmers & fishers and other stakeholders shall be carried through State Governments, UTs, Central Government organizations/ institutions such as KVKs, ICAR Institutes, ATMAs, ATARIs, Fisheries Institutes, State/UT owned organizations, State agriculture/ veterinary/ fishery Universities, fisheries federations, corporations etc.</p> <p>(ii) The training batch shall not be less than 50 (fifty) trainees per batch.</p> <p>(iii) Training organization shall submit self-contained proposal indicating, details of trainees, training courses, venue, infrastructure facilities available for the purpose, duration of the training programme, availability of boarding and lodging facilities, details of resource persons, anticipated</p>

				<p>outputs etc.</p> <p>(iv) Preferably, the trainees shall be identified by the respective State Governments/UTs. The Central Government shall also identify the trainees in consultation (if need be) with the concerned State Governments/UT.</p>
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3. National Fisheries Development Board and its activities

S. No	Component	Unit Cost	Central financial assistance	Terms and Conditions
1	Fish Seed production including development of brood banks (National and Regional)			
1.1	Hatcheries	Setting up fish hatcheries are covered in Inland component. NFDB, with the approval of DADF shall add any additional hatcheries required keeping in view the needs of the sector and broad funding patters.		
1.2	Establishment of freshwater / brackish water Fish / Shrimp/ Trout Brood Banks	As per actual with a ceiling of Rs. 500 lakh per brood bank of 5 ha area	50% of the unit cost with a ceiling of Rs. 250 lakh per Brood bank.	<p>(i) Beneficiaries shall submit self-contained Detailed Project Report (DPR) with full justification & technical details.</p> <p>(ii) Beneficiaries shall provide documentary evidence of availability of requisite land free from all</p>

				<p>encumbrances, financial resources, necessary clearances/ permissions (wherever required) etc. in the DPR. No funds shall be provided for the land.</p> <p>(iii) Post construction operation, management and maintenance of the integrated cold chain infrastructure facilities shall be carried out in a satisfactory manner by the beneficiaries at their own costs.</p> <p>(iv) The project proposals of cooperatives/collectives/ entrepreneurs shall be routed through the concerned State /UT Government with proper recommendations.</p>
2	Fish feed including establishment of feed mills	This is covered in Inland component. NFDB, with the approval of DADF shall add any additional items required keeping in view the needs of the sector and broad funding patterns.		
3	Development of post-harvest, value addition infrastructure and marketing	This is covered in marine component. NFDB, with the approval of DADF shall add any additional items required keeping in view the needs of the sector and broad funding patterns.		
4	Cold chain development			
4.1	Certain items of the cold chain for fisheries such as ice plants, cold storages, fish marketing facilities have been covered under the marine component. NFDB, with the approval of DADF shall add any additional items required keeping in view the needs of the sector and broad funding patterns.			
4.2	Integrated Cold chain development covering the activities from fry to frying pan such as pre –processing, and processing of fish, fish	As per actual with a ceiling of Rs. 500 lakh per project	50% of the unit cost with a ceiling of Rs. 250 lakh per project unit.	(viii) Beneficiaries shall submit self-contained Detailed Project Report (DPR) with full justification & technical details.

	transportation(insulated and refrigerated vehicles), retail outlets, moveable fish markets, kiosks etc.			<p>(ix) Beneficiaries shall provide documentary evidence of availability of requisite land free from all encumbrances, financial resources, necessary clearances/permissions (wherever required) etc. in the DPR. No funds shall be provided for the land.</p> <p>(x) Post construction operation, management and maintenance of the integrated cold chain infrastructure facilities shall be carried out in a satisfactory manner by the beneficiaries at their own costs.</p> <p>(xi) The project proposals of cooperatives/collectives/ entrepreneurs shall be routed through the concerned State /UT Government with proper recommendations.</p>
5	Development of Inland Fisheries	This is covered in Inland component. NFDB, with the approval of DADF shall add any additional items required keeping in view the needs of the sector and broad funding patterns.		
6	Promotion of Small Scale Fisheries	This is covered in Marine and Inland components. NFDB, with the approval of DADF shall add any additional items required keeping in view the needs of the sector and broad funding patterns		
7	Provision of alternative livelihood	This is covered in Marine and Inland components. NFDB, with the approval of DADF shall add any additional items required keeping in view the needs of the sector and broad funding patterns.		
8	Skill up-gradation of stakeholders in the fisheries sector	This is covered in Inland component. NFDB, with the approval of DADF shall add any additional items required keeping in view the needs of the sector and broad funding patterns.		

Schemes under PMMSY

- 1. Development of fish culture in non-water logged areas of Punjab:** Under this scheme, 50% subsidy is being provided to fish farmers for excavation of new pond and cost of inputs for the first year. Details of subsidy are as under:

S. No.	Item	Subsidy
1	for excavation of new pond and making water arrangements	Rs. 1.50 lakh/ha
2	For first year inputs (Feed & Seed)	Rs. 0.50 lakh/ha
Total		Rs 2.00 lakh/ha

- 2. Development of fish culture in salt affected/water logged land in Punjab with 90% onetime grant:** Under this scheme, 90% subsidy is being provided to fish farmers for excavation of new pond and cost of inputs for the first year. Details of subsidy are as under:

S. No.	Item	Subsidy
1	for excavation of new pond	Rs. 2.00 lakh/ha
2	For first year inputs (Feed & Seed)	Rs. 1.00 lakh/ha
3	For nets to catch the fish	Upto Rs. 25,000/ha
Total		Rs 3.25 lakh/ha

3. Subsidy for installation of aerator for fisheries sector: under this scheme, 50% subsidy is being provided to fish farmers for installation of two paddle wheels aerator and four paddle wheels aerator at their fish ponds. Details of subsidy are as under:

S. No.	Item	Subsidy
1	For installation of two paddle wheels aerator	Rs. 18,000/-
2	For installation of four paddle wheels aerator	Rs. 23,000/-

Directory of Schemes in Department of Animal Husbandry, Punjab

I. Centrally Sponsored Schemes

S. No	Scheme/ Component	Activities	Subsidy/ Assistance
1.	National Livestock Health and Disease Control Programme (NLHDCP)		
i.	National Project on Rinderpest Eradication. (100% GOI)	Under this programme, the state is required to carry out physical surveillance through village, stock route & institutional searches to maintain the freedom status of Contagious Bovine Pleuro-Pneumonia (CBPP) and to undertake surveillance of other animal diseases on routine basis.	Nil
ii.	Foot and Mouth Disease Control Programme (FMD-CP) (60:40)	Vaccinate all the eligible cattle and buffalos at six monthly interval, publicity and mass awareness campaign including orientation of the state functionaries for implementation of the scheme, identification of the target animals , monitoring of animal population on random basis, mass vaccination, procurement of cold cabinets and FMD vaccine, assessment of vaccines for their quality, viru typing in case of outbreaks and recording/regulation of animal movement from unvaccinated areas through temporary quarantine/check-posts.	Nil
iii.	National Control Programme on Brucellosis (60:40)	Brucellosis is one of the major infectious disease of livestock caused by brucella anprtis. It causes abortions in the last quarter of pregnancy causing huge economic losses to livestock sector. This disease can be prevented over a period of time by one time vaccination of all eligible female calves. Brucellosis-CP envisages vaccination of female calves between 6-8 months. Adulthood vaccination is also being taken up covering all un-vaccinated adult female bovines in a phased manner. Under this scheme, prophylactic vaccination of young female population is being undertaken besides conducting surveillance of the disease.	Nil
iv.	Peste des Petits Ruminants- Control programme (PPR-CP) (60:40)	Peste des petits is a viral disease of sheep and goat. It may lead to ulsration of the mucous membrane and diarrhea. Presently sheep and goat population is about 5 lac and it is mostly reared by weaker section of the society so to control this disease GOI approved this programme.	Nil
2.	National Livestock Management Programme		
i.	National Livestock Mission	Under this programme various types of development projects like setting up of piggery, goatry farms,	Setting up of 1333 Backyard

	(60:40)	setting up of backyard poultry units, strengthening of piggery sector are being implemented	Poultry Units, insurance of 20000 animals
3.	National Mission on bovine Productivity (60:40)	<p>Objectives:</p> <ul style="list-style-type: none"> a. To enhance milk production and productivity of bovine population by increasing population of disease free high genetic merit female population and check on spread of disease. b. To improve quality of dairy animals, milk and milk product. c. To increase trade of livestock and livestock product by meeting out sanitary and phytosanitary (SPS) issues. d. To create e-market portal for bovine germplasm for connecting breeders and farmers, especially from socio-economically weaker section. e. To increase farmers income as a part of goal set by Hon'ble PM for doubling farmer's income by 2022. <p>Components:</p> <ul style="list-style-type: none"> a. Pashu Sanjivni. b. Advanced breeding technology. c. Creation of "E-Pasjudhan Haat"- Nakul Prajnanbajar d. National Bovine Genomic Centre for Indigenous breeds (NBGC-IB). 	Nil

II. Special Central Assistance Schemes (SCA) (100% GOI)

The Rashtriya Gokul Mission (RGM) is being implemented for development and conservation of indigenous bovine breeds since December 2014. The scheme is important in enhancing milk production and productivity of bovines to meet growing demand of milk and making dairying more remunerative to the rural farmers of the country. The scheme is also continued under umbrella scheme Rashtriya Pashudhan Vikas Yojna from 2021 to 2026 with a budget outlay of Rs.2400 crore. The RGM will result in enhanced productivity and benefit of the programme, percolating to all cattle and buffaloes of India especially with small and marginal farmers. This programme will also benefit women in particular since over 70% of the work involved in livestock farming is undertaken by women.

S. No	Scheme/ Component	Activities	Subsidy/ Assistance
1.	The Rashtriya Gokul Mission (RGM) (100% GOI)	<p>Objective</p> <p>a) To enhance productivity of bovines and increasing milk production in a sustainable manner using advance technologies.</p> <p>b) To propagate use of high genetic merit bulls for breeding purposes.</p> <p>c) To enhance Artificial insemination coverage through strengthening breeding network and delivery of Artificial insemination services at farmers doorstep.</p> <p>d) To promote indigenous cattle & buffalo rearing and conservation in a scientific and holistic manner.</p> <p>Components of RGM</p> <p>1. Availability of High genetic Merit Germplasm:</p> <ul style="list-style-type: none"> • a. Bull Production Programme <ul style="list-style-type: none"> ○ Progeny Testing ○ Pedigree Selection ○ Genomic Selection ○ Import of Germplasm • b. Support to semen stations: Strengthening of existing semen stations. • c. Implementation of IVF Technology <ul style="list-style-type: none"> ○ IVF Laboratories ○ Implementation of In Vitro Embryo Production Technology ○ Implementation of IVF technology for getting assured pregnancy • d. Breed Multiplication Farms <p>2. Extension of Artificial Insemination Network</p> <p>a. Establishment of MAITRIs</p>	

		<ul style="list-style-type: none">b. Nationwide AI programmec. Using sex sorted semen for getting assured pregnancyd. Implementation of National Digital Livestock Mission (Livestack) <p>3. Development and Conservation of indigenous Breeds</p> <ul style="list-style-type: none">a. Assistance to Gaushalas, Gosadans and Pinjarapolesb. Administrative expenditure/ operation of Rashtriya Kamdhenu Aayog	
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Directory of Schemes in Department of Soil & Water Conservation

The focus of department is on:

1. To enhance productivity with the limited resources without adversely affecting natural resources in terms of ground water, soil health and environment.
2. Efficient use of irrigation water and on-farm management of water resource
3. Increasing productivity, rainwater harvesting and control of soil erosion in sub-mountainous kandi areas.

I. Centrally Sponsored Schemes

Sr. No	Scheme/ Component	Objective/Features of the Scheme	Districts Covered
1.	PRADHAN MANTRI KRISHI SINCHAYEE YOJANA (PMKSY)		
A.	Centrally sponsored scheme on Micro Irrigation (PMKSY) (60:40)	<ol style="list-style-type: none"> 1) Increase the area under micro irrigation technologies to enhance water use efficiency; 2) Increase productivity of crops and income of farmers through precision water management. 	All District of the State
B.	Pardhan Mantri Krishi Sinchayee Yojana for Soil and Water Conservation(60:40) New	<ol style="list-style-type: none"> 1) Integration of water source, distribution and its efficient use, to make best use of water through appropriate technologies and practices; 2) Link tube-well/river-lift irrigation projects with modern irrigation technologies for best use of energy both for lifting and pressuried irrigation as far as possible 	All District of the State

II. State Sponsored Schemes

Sr. No	Scheme/ Component	Objective/Features of the Scheme	\Districts Covered
1.	Project for Judicious use of available water & harvesting of rain water for enhancing irrigation potential in Punjab (NABARD-RIDF-17) (95:5)	Construction of Rainwater Harvesting and Recharge Structures, Check dams and laying of irrigation network to bring additional area under assured irrigation	All District of the State
2.	Project for Laying of Underground pipeline for Irrigation from Sewerage Treatment Plants of various cities / towns (NABARD-RIDF-18) (95:5)	Judicious use of treated sewage water for Irrigation	All District of the State
3.	Project for promotion of Micro irrigation (NABARD-RIDF-20) (95:5)	Intelligent /Efficient use of available irrigation water on farmers' fields	All District of the State
4.	Scheme for providing assured irrigation water to the waterlogged areas in south western districts (NABARD-RIDF-21) (95:5)	Providing assured irrigation water to the waterlogged areas in South western districts	Sri Muktsar Sahib, Ferozepur, Fazilka
5.	Project for laying of underground pipeline system for Conveyance of irrigation water in canal commands in 11 district of Punjab (NABARD-RIDF-22) (95:5)	Providing irrigation water to the farmers' fields at the tail ends or far-away from the existing canal network	Barnala, Bathinda, Faridkot, Fatehgarh Sahib, Fazilka, Ferozpur, Mansa, Moga, Shri Muktsar sahib, Patiala, Sangrur
6.	Project for utilization of treated water for irrigation from Sewage Treatment Plants in Punjab (RIDF-25) (95:5) (NEW)	Judicious use of treated sewage water for Irrigation	Barnala, Faridkot, Fatehgarh Sahib, Fazilka, Ferozpur, Mansa, Moga, Shri Muktsar sahib, Patiala, SAS Nagar, Hoshiarpur, Ludhiana

III. Ongoing Schemes of other Departments

1. Rashtriya Krishi Vikas Yojana (Deptt. Of Agriculture)

Under this scheme started in 2007-2008, 90% assistance is provided on Community UGPS Projects under “Project for improving conveyance efficiency of irrigation water for sustaining agricultural production”. There is a budget outlay of Rs 86.00 Crore for 2017-2018. There is also a provision of 75% subsidy on Solar Pumps to run Micro Irrigation systems under “Project for Matching irrigation water availability and demand for improved productivity through Efficient On-farm Water Management” with a budget outlay of Rs 23.10 Crore in 2017-2018. Total proposed budget for 13th Plan (2017-22) is Rs 250 crore.

2. Crop Diversification Plan (Deptt. Of Agriculture)

Under this scheme started in 2013-2014, 50% assistance (limited to Rs 22,000/- per hectare) is provided on Individual UGPS projects on own tubewell of farmers. There is a budget outlay of Rs 2.52 Crore for 2017-2018 and proposed budget is Rs 10 crore for 13th Plan (2017-22).

3. Integrated Watershed Management Programme (Deptt. Of Rural Development)

The department is serving as an Implementing Agency for Watershed Development projects with an objective to improve productivity of problematic areas in various districts. Works like land leveling, ponds, drainage line treatment, recharging, plantation; retaining wall, chiseling etc. are carried out under these projects. There is a target to cover 56,416 hectares at a cost of Rs 67.70 Crore during 2017-2018 and proposed budget is Rs 100 crore for 13th Plan (2017-22).

Directory of Schemes in Department of Horticulture, Punjab

I. Mission for Integrated Development of Horticulture During XII Plan

INTRODUCTION

Mission for Integrated Development of Horticulture (MIDH) is a Centrally Sponsored Scheme for the holistic growth of the horticulture sector covering fruits, vegetables, root & tuber crops, mushrooms, spices, flowers, aromatic plants, coconut, cashew, cocoa and bamboo. While Government of India (GOI) contributes 85% of total outlay for developmental programmes in all the states except the states in North East and Himalayas, 15% share is contributed by State Governments. In the case of North Eastern States and Himalayan States, GOI contribution is 100%. Similarly, for development of bamboo and programmes of National Horticulture Board (NHB), Coconut Development Board (CDB), Central Institute for Horticulture (CIH), Nagaland and the National Level Agencies (NLA), GOI contribution will be 100%.

Objectives of the Mission are:

- a) Promote holistic growth of horticulture sector, including bamboo and coconut through area based regionally differentiated strategies, which includes research, technology promotion, extension, post-harvest management, processing and marketing, in consonance with comparative advantage of each State/region and its diverse agro-climatic features;
- b) Encourage aggregation of farmers into farmer groups like FIGs/FPOs and FPCs to bring economy of scale and scope.
- c) Enhance horticulture production, augment farmers, income and strengthen nutritional security;
- d) Improve productivity by way of quality germplasm, planting material and water use efficiency through Micro Irrigation.
- e) Support skill development and create employment generation opportunities for rural youth in horticulture and post-harvest management, especially in the cold chain sector.

PROVISIONS FOR FARMERS

I. PRODUCTION OF PLANTING MATERIAL

1. Nurseries: Production and distribution of good quality seeds and planting material will receive top priority. States will have a network of nurseries for producing planting material, which were established through Central or State assistance. To meet the requirement of planting material (for bringing additional area under improved varieties of horticultural crops and for rejuvenation programme for old/senile plantations), assistance will be provided for setting up new hi-tech nurseries and small nurseries. Hi-tech nurseries will have an area between 1 to 4 ha with a capacity to produce 50,000 plants per ha of mandated perennial fruit crops / tree spices / aromatic trees / plantation crops per year. The plants produced will be duly certified for their quality. The support includes:

- (i) Proper fencing.
- (ii) Scion / Mother block of improved varieties.
- (iii) Root stock block (Rhizome bank in case of bamboo).
- (iv) Net house
- (v) Irrigation facilities
- (vi) Hi-tech greenhouse having insect proof netting on sides and fogging and misting systems.
- (vii) Hardening/maintenance in insect proof net house with light screening properties and sprinkler irrigation system.
- (viii) Pump house to provide sufficient irrigation to the plants and water storage tank to meet at least 2 days requirement.
- (ix) Soil solarization - steam sterilization system with boilers.

Provision:

S. No.	Item	Cost Norms*	Pattern of Assistance#
i.	Hi-tech nursery (4 ha)	Rs. 25.00 lakh/ha.	credit linked back-ended subsidy @ 40% of cost, subject to a maximum of Rs. 40 lakh/unit, for a maximum of 4 ha. as project based activity on prorata basis. Each nursery will produce a minimum of 50,000 numbers per hectare of mandated perennial fruit crops/ tree spices/ aromatic trees/plantation crops per year, duly certified for its quality.
ii.	Small Nursery (1 ha)	Rs. 15.00 lakh/ha	Credit linked back-ended subsidy of cost, subject to a maximum of Rs. 7.50 lakh/unit, as project based activity. Each nursery will produce a minimum of 25,000 numbers of mandated perennial vegetatively propagated fruit plants/tree spices/plantation crops per year, aromatic plants, duly certified for its quality.
iii.	Upgrading nursery infrastructure to meet accreditation norms	Up to Rs. 10.00 lakh/ nursery of 4 ha	50% of cost subject to a maximum of Rs. 5.00 lakh/nursery. The infrastructure facilities will include establishment of hot bed sterilization of media, Working shed, Virus indexing facility (for citrus & apple), Hardening chamber/net house, Mist chamber, Establishment of Mother Block, Irrigation and fertigation facility/unit.

2. Tissue Culture Units: New Tissue Culture (TC) units will be established and assistance will be provided for rehabilitation/ strengthening of existing TC Units. New TC units will produce 25 lakh plants of the mandated crop for which protocols are available for commercial use, except Date palm. In the event of production of lesser number of plants, cost of lab will be reduced on a pro rata basis (subject to its viability). Each TC unit would get itself accredited as per standards and norms of Department of Bio Technology within eighteen months from the date of receiving funds, failing which the assistance provided under the scheme will have to be returned

Provision:

S. No.	Item	Cost Norms*	Pattern of Assistance#
i.	Strengthening of existing Tissue Culture (TC) units	Rs. 20.00 lakh /unit	100% of cost to public sector and in case of private sector, credit linked back ended subsidy @ 50% of cost
ii.	Setting up of new TC Units.	Rs. 250.00 lakh/unit	credit linked back ended subsidy @ 40% of cost. Each TC unit will produce a minimum of 25 lakh plants/year of mandated crops, duly hardened, for which protocols are available for commercial use.

3. Vegetable Seed Production

Production of 'disease-free vegetable seedlings' will be encouraged for hybrid cultivars. Wherever necessary, 'plug technology' and environment control for germination, growth and hardening of vegetable seedlings may be introduced. The infrastructure facilities will include a greenhouse with maximum area of 10,000 sq. meters, including hardening facilities, designed for tropical conditions, with insect netting on sides and rolling poly sheets. The infrastructure for media sterilization i.e. steam boiler, holding bins, etc will also be provided. Total cost will not exceed Rs. 104.00 lakh for a unit with one ha or Rs. 1040 per sq.m.

To facilitate proper handling, storage and packaging of seeds, assistance will be provided for creating infrastructure like drying platforms, storage bins, packaging unit and related equipments.

Provision:

S. No.	Item	Cost Norms*	Pattern of Assistance#
i.	Seed production for vegetables and spices		
	a) Open pollinated crops	Rs. 35,000/ha	35% of cost limited to 5 ha. (Output target of seed for each crop will be fixed by the State govt./authorities)
	b) Hybrid seeds	Rs. 1.50 lakh/ha	35% of cost limited to 5 ha. (Output target of seed for each crop will be fixed by the state govt./authorities for each beneficiary, before releasing funds.)
ii.	Seed infrastructure (for handling, processing, packing, storage etc. of seeds meant for use as seed material for cultivation of horticulture crops)	Rs. 200.00 lakh	credit linked back subsidy @ 50% of cost of project.

II. ESTABLISHMENT OF NEW GARDENS (Area expansion - for a maximum area of 4 ha per beneficiary): The Mission envisages coverage of area under improved varieties of horticultural crops. Norms for area expansion of **fruits, vegetables, plantation crops** and other crops including **flowers, spices and aromatic plants** are also given in this mission.

1. Fruits:

S. No.	Item	Cost Norms*	Pattern of Assistance
Cost intensive fruit crops			
i.	Fruit crops like Grape, Kiwi, Passion fruit etc.		
	a) Integrated package with drip irrigation and trellis.	Rs. 4.00 lakh/ha.	Maximum of Rs. 1.60 lakh/- per ha. (40% of cost) for meeting the expenditure on planting material and cost of material for drip irrigation, trellis and INM/IPM, in 3 installments of 60:20:20 subject to survival rate of 75% in 2nd year and 90% in 3rd year).
	b) Without integration	Rs. 1.25 lakh/ha	Maximum of Rs. 0.50 lakh/ha (40% of cost) for meeting the expenditure on planting material and cost of INM/IPM in three installments of 60:20:20 subject to survival rate of 75% in 2nd year and 90% in 3rd year.
ii.	Strawberry		
	a) Integrated package with drip irrigation & mulching	Rs. 2.80 lakh/ha	Maximum of Rs. 1.12 lakh/ per ha. (40% of cost) for meeting the expenditure on planting material and cost of material for drip irrigation, mulching and INM/IPM, in one installment.
	b) Without integration	Rs. 1.25 lakh/ha	Maximum of Rs. 0.50 lakh/ha (40% of cost) for meeting the expenditure on planting material and cost of INM/IPM one Installment.
iii.	Banana (sucker)		
	a) Integrated package with drip irrigation.	Rs. 2.00 lakh/ha	Maximum of Rs. 0.80 lakh/ha (40% of the cost) for meeting expenditure on planting material, drip irrigation and cost of material for INM/IPM, in 2 installments (75:25).
	b) Without integration	Rs.87,500/ha	Maximum of Rs. 0.35 lakh/ha (40% of cost) for meeting the expenditure on planting material and cost of INM/IPM in 2 installments (75:25).
iv.	Banana (TC)		
	a) Integrated package with drip irrigation.	Rs. 3.00 lakh/ha	Maximum of Rs. 1.20 lakh/ha (40 % of cost) for meeting the expenditure on planting material and cost of material for drip system, INM/IPM etc., in 2 installments (75:25).
	b) Without integration	Rs. 1.25 lakh/ha.	Max. of Rs. 0.50 lakh per ha, (40% of cost) for meeting the expenditure on planting material and cost of INM/IPM in 2 installments (75:25).

v.	Papaya		
	a) Integrated package with drip irrigation.	Rs. 2.00 lakh/ha	Maximum of Rs. 0.80 lakh/ha (40% of the cost) for meeting expenditure on planting material, drip irrigation and cost of material for INM/IPM, in 2 installments (75:25).
	b) Without integration	Rs. 60,000/ha	Maximum of Rs. 0.30 lakh/ha (50 % of cost) for meeting the expenditure on planting material and cost of INM/IPM in 2 installments (75:25).
vi.	Ultra high density (Meadow orchard)		
	a) Integrated package with drip irrigation.	Rs. 2.00 lakh/ha.	Maximum of Rs. 0.80 lakh/ ha. (40% of cost) for meeting the expenditure on planting material and cost of material for drip system, INM/IPM, and canopy management in 3 installments of 60:20:20 subject to survival rate of 75% in 2nd year and 90% in 3rd year).
	b) Without integration	Rs. 1.25 lakh/ha	Maximum of Rs. 0.50 lakh/ha., (40% of cost) for meeting the expenditure on planting material and cost of INM/IPM in 3 installments.
vii.	High density planting (mango, guava, litchi, pomegranate, apple, citrus etc).		
	a) Integrated package with drip irrigation	Rs. 1.50 lakh /ha	Maximum of Rs. 0.60 lakh per ha. (40% of cost) for meeting the expenditure on planting material, cost of drip system, INM/IPM, canopy management etc., in 3 installments of 60:20:20 subject to survival rate of 75% in 2nd year and 90% in 3rd year).
	b) Without Integration.	Rs. 1.00 lakh/ha.	Maximum of Rs. 0.40 lakh/ha (40% of the cost) for meeting the expenditure on planting material and cost of INM/IPM in 3 installments (60:20:20).
Fruit crops other than cost intensive			
viii.	Fruit crops other than cost intensive crops using normal spacing		
	a) Integrated package with drip irrigation	Rs. 1.00 lakh/ha	Maximum of Rs. 0.40 lakh/ ha. (40% of cost) for meeting the expenditure on planting material, cost of drip system, INM/IPM, canopy management etc in 3 installments of 60:20:20 subject to survival rate of 75% in 2nd year & 90% in 3rd year for perennial crops and for non-perennial crops in 2 installments of 75:25.
	b) Without Integration	Rs. 60,000/ha	Maximum of Rs. 0.30 lakh/ha (50 % of cost) for meeting the expenditure on planting material and cost of INM/IPM in 3 installments, in all States.

2. Vegetable (For maximum area of 2 ha per beneficiary):

S. No.	Item	Cost Norms*	Pattern of Assistance#
i.	Hybrid	Rs.50,000/ ha	assistance will be given @ 40% of cost

3. Mushroom Production

In case of mushroom, assistance will be provided for setting up of individual mushroom production, spawn production and compost making units.

Provision:

S. No.	Item	Cost Norms*	Pattern of Assistance#
i.	Production unit	20 lakh /unit	40% of cost for meeting the expenditure on infrastructure, as credit linked back ended subsidy.
ii.	Spawn making unit	Rs. 15 lakh/unit	40% of cost for meeting the expenditure on infrastructure, as credit linked back ended subsidy.
iii.	Compost making unit	Rs. 20.00 lakh/unit	40% of cost for meeting the expenditure on infrastructure, as credit linked back ended subsidy.

4. Flowers (For a maximum of 2 ha per beneficiary):

S. No.	Item	Cost Norms*	Pattern of Assistance#
i.	Cut flowers	Rs. 1.00 lakh/ha	40 % of the cost for S&M farmers and 25% of cost to other category farmers
ii.	Bulbulous flowers	Rs. 1.50 lakh/ha	40 % of the cost for S&M farmers and 25% of cost to other category farmers
iii.	Loose Flowers	Rs. 40,000/ha	40 % of the cost for S&M farmers and 25% of cost to other category farmers

5. Spices (For maximum area of 4 ha per beneficiary):

S. No.	Item	Cost Norms*	Pattern of Assistance#
i.	Seed spice and Rhizomatic spices	Rs.30,000/ha	Maximum of Rs. 12,000/- per ha. (40% of cost) for meeting the expenditure on planting material and cost of material for INM/ IPM etc).

6. Aromatic Plants (For a maximum area of 4 ha per beneficiary):

S. No.	Item	Cost Norms*	Pattern of Assistance#
i.	Cost intensive aromatic plants (patchouli, geranium, rosemary, etc)	Rs. 1,00,000/ha	40% of cost, subject to a maximum of Rs.40,000/- per ha, for meeting the expenditure on planting material and cost of material for INM/IPM etc.
ii.	Other aromatic plants	Rs. 40,000/ha	40% of cost, subject to a maximum of Rs.16,000/- per ha, for meeting the expenditure on planting material and cost of material for INM/IPM etc.

III. REJUVENATION/REPLACEMENT OF SENILE PLANTATION, CANOPY MANGEMENT: Rejuvenation programme will address orchards and plantations which have low productivity. It will be implemented through individual farmers, farmers' cooperatives, Self-Help Groups, growers' associations and commodity organizations. Assistance will be available only in respect of rejuvenating/ replanting senile and unproductive plantations through proven technologies. However, assistance will depend on the nature and requirement of particular crop. Canopy management will address maintenance of tree architecture as a means for productivity enhancement, particularly for fruit crops and high density plantations. In case of seedling origin, uneconomical orchards will be considered for replanting with improved varieties.

IV.

S. No.	Item	Cost Norms*	Pattern of Assistance#
i.	Rejuvenation / replacement of senile plantation, canopy management	Rs. 40,000/ha	50% of the total cost subject to a maximum of Rs. 20,000/ha limited to two ha per beneficiary.

V. CREATION OF WATER SOURCES

Under the Mission, assistance will be provided for creating water sources through construction of community tanks, farm ponds/reservoirs with plastic / RCC lining to ensure lifesaving irrigation to horticulture crops. This will be in conjunction with MNREGS and wherever possible adequate convergence has to be ensured. These water bodies may be linked with Micro Irrigation facility for judicious use of water. Assistance under NHM will be limited to cost of plastic / RCC lining. Lining material should conform to BIS standards. Assistance would also be provided for creating water source through construction of farm ponds/tube wells/ dug wells for individuals.

S. No.	Item	Cost Norms*	Pattern of Assistance#
i.	Community tanks/on farm ponds/on farm water reservoirs with use of plastic/RCC lining	Rs. 20.00 lakh/ unit	100% of cost to irrigate 10 ha of command area, with pond size of 100m x 100m x 03m or any other smaller size on prorata basis depending upon the command upon the command area either use of minimum 500 micron plastic films or RCC lining, owned & managed by a community/ farmer group. Cost for non-lined ponds/tanks (only in black cotton soils) will be 30% less. Assistance will be restricted to the cost of plastic/RCC lining. However, for non MNREGS beneficiaries, assistance on entire cost including construction of pond/tank as well as lining can be availed under the scheme.
ii.	Water harvesting system for individuals- for storage of water in 20mx20mx3m ponds/tube wells/dug wells @ Rs.125/- cum	Rs. 1.50 lakh/unit in plain areas and Rs. 1.80 lakh/unit in hilly areas	50% of cost including 300 micron plastic/RCC lining. Cost for non-lined ponds/tanks (only in black cotton soils) will be 30% less. For smaller size of the ponds/dug wells, cost will be admissible on pro rata basis depending upon the command area. Maintenance will be ensured by the beneficiary

VI. PROTECTED CULTIVATION

Activities like construction of green houses, shade net house, plastic mulching, and plastic tunnels, anti bird/ hail nets would be promoted under the Mission. Provision has been made for selecting a variety of construction material for green houses and shade net houses. Preference will be given to using locally available material to minimize cost of construction of such structures. However, for availing/subsidy assistance, all material/technologies should conform to BIS standards

S. No.	Item	Cost Norms*	Pattern of Assistance#
i.	Green House Structure		
a)	Fan & Pad system	Rs. 1650/Sq.m (up to Rs. 1465/Sq. m (>500 Sq.m up to 1008 Sqm) Rs. 1420/Sq. m (>1008 Sq. m up to 2080 Sq.m) Rs. 1400/Sq. m (>2080 Sq. m upto 4000 Sq.m)	50% of cost for a maximum area of 4000 sq. m per beneficiary.

b)	Naturally ventilated system		
	i) Tubular structure	Rs.1060/Sq.m (up to area 500 Sq. m) Rs. 935/Sq.m (>500 Sq. m up to 1008 Sq. m) Rs. 890/Sq. m (>1008 Sqm up to 2080 Sq. m) Rs. 844/Sq. m (>2080 Sq. m up to 4000 Sq. m)	50% of cost limited 4000 sq. m. per beneficiary.
	ii) Wooden structure	Rs. 540/Sq. m	50% of the cost limited to 20 units per beneficiary (each unit not to exceed 200 sq.m).
	iii) Bamboo structure	Rs. 450/Sq. m	50% of the cost limited to 20 units per beneficiary (each unit should not exceed 200 sq.m).
ii.	Shade Net House		
a)	Tubular structure	Rs. 710/Sqm	50% of cost limited to 4000 sq.m. per beneficiary.
b)	Wooden structure	Rs. 492/Sqm	50% of cost limited to 20 units per beneficiary (each unit not to exceed 200 sq.m) .
c)	Bamboo structure	Rs.360/Sqm	50% of cost limited to 20 units per beneficiary (each unit not to exceed 200 sq.m).
iii.	Plastic Tunnels	Rs. 60/Sqm	50% of cost limited 1000 sq.m. per beneficiary.
iv.	Walk in tunnels	Rs. 600/ sqm	50% of the cost limited to 5 units per beneficiary (each unit not to exceed 800 Sq. m).
v.	Anti Bird/Anti Hail Nets	Rs.35/Sqm	50% of cost limited to 5000 sq.m. per beneficiary.
vi.	Cost of planting material & cultivation of high value vegetables grown in poly house	Rs.140/Sq. m	50% of cost limited to 4000 sq.m. per beneficiary.
vii.	Cost of planting material & cultivation of Orchid & Anthurium under poly house/ shade net house.	Rs. 700/Sqm	50% of cost limited to 4000 sq.m. per beneficiary.
viii.	Cost of planting material & cultivation of Carnation &	Rs. 610/Sqm	50% of cost limited to 4000 sq.m. per beneficiary.

	Gerbera under poly house/ shade net house.		
ix.	Cost of planting material & cultivation of Rose and lilum under poly house/ shade net house	Rs. 426/Sqm	50% of cost limited to 4000 sq.m. per beneficiary
x.	Plastic Mulching	Rs. 32,000/ha	50% of the total cost limited to 2 ha per beneficiary.

VII. ORGANIC FARMING

Organic farming in horticulture will be promoted to harness environmental and economic benefits by way of adoption of organic farming techniques along with its certification.

S. No.	Item	Cost Norms*	Pattern of Assistance#
i.	Adoption of organic farming.	Rs. 20,000/ha	50% of cost limited to Rs.10000/ha for a maximum area of 4 ha. per beneficiary, spread over a period of 3 years involving an assistance of Rs.4000/- in first year and Rs.3000/- each in second & third year. The programme to be linked with certification.
ii.	Organic Certification	Project based	Rs 5 lakh for a cluster of 50 ha which will include Rs 1.50 lakh in first year, Rs. 1.50 lakh in second year and Rs. 2.00 lakh in third year.
iii.	Vermi compost Units/organic input production	Rs.100,000/ unit for permanent structure and Rs. 16,000/unit for HDPE Vermibed	50% of cost conforming to the size of the unit of 30'x8'x2.5' dimension of permanent structure to be administered on pro-rata basis. For HDPE Vermibed, 50% of cost conforming to the size of 96 cft (12'x4'x2') and IS 15907:2010 to be administered on pro-rata basis.

VIII. CERTIFICATION FOR GOOD AGRICULTURAL PRACTICES (GAP), including infrastructure

GAP certification has been introduced to encourage farmers to adopt good agricultural practices in line with global GAP, so that farmers are able to get better price for their produce in domestic as well as international market. Certification agencies to be involved for this will be as per list approved by APEDA.

S. No.	Item	Cost Norms*	Pattern of Assistance#
i.	Certification for GAP, including infrastructure	Rs. 10,000/ ha	50% of the cost for maximum of 4ha/beneficiary.

IX. POLLINATION SUPPORT THROUGH BEE-KEEPING

S. No.	Item	Cost Norms*	Pattern of Assistance#
i.	Production of bee colonies by bee breeder	Rs. 10.00 lakh	40% of cost for producing min. of 2000 colonies / year
ii.	Honey bee colony	Rs.2000/colony of 8 frames	40% of cost limited to 50 colonies / beneficiary.
iii.	Bee Hives	Rs 2000/ per hive.	40% of cost limited to 50 colonies / beneficiary.
iv.	Equipment including honey extractor (4 frame), food grade container (30 kg), net, including complete set of Bee keeping equipment.	Rs. 20,000/set	40% of the cost limited to one set per beneficiary.

X. HORTICULTURE MECHANIZATION

Horticulture mechanization is aimed to improve farm efficiency and reduce drudgery of farm work force. Assistance in this regard will be provided for activities such as procurement of power operated machines & tools, besides import of new machines. Assistance for horticulture mechanization will also be available to such grower associations, farmer groups, Self Help Groups, women farmer groups having at least 10 members, who are engaged in cultivation of horticultural crops, provided balance 60% of the cost of machines and tools is borne by such groups. SHM will enter in to MoU with such association/groups to ensure proper upkeep, running and maintenance of the machines and tools.

S. No.	Item	Cost Norms*	Pattern of Assistance#
i.	Tractor (upto 20 PTO HP)	3.00 lakh/unit	25% of cost, subject to a maximum of Rs. 0.75 lakh/unit for general category farmers, and in the case if SC, ST, Small & Marginal famers, women farmers, then 35% of cost, subject to a maximum of Rs. 1.00 lakh per unit.
ii.	Power Tiller		
a)	Power tiller (below 8 BHP)	1.00 lakh per unit	Subject to a maximum of Rs.0.40 lakh/unit for general category farmers, and in the case if SC, ST, Small & Marginal farmers, women farmers subject of a maximum of Rs. 0.50 lakh/unit

b)	Power tiller (8 BHP & above)	1.50 lakh per unit	Subject to a maximum of Rs.0.60 lakh/unit for general category farmers, and in the case if SC, ST, Small & Marginal farmers, women farmers subject of a maximum of Rs. 0.75 lakh/unit.
iii.	Tractor/Power tiller (below 20 BHP) driven equipments		
a)	Land Development, tillage and seed bed preparation equipments	0.30 lakh per unit	Subject to a maximum of Rs.0.12 lakh/unit for general category farmers, and in the case if SC, ST, Small & Marginal farmers, women farmers subject of a maximum of Rs. 0.15 lakh/unit.
b)	Sowing, planting reaping and digging equipments	0.30 lakh per unit	Subject to a maximum of Rs.0.12 lakh/unit for general category farmers, and in the case if SC, ST, Small & Marginal farmers, women farmers subject of a maximum of Rs. 0.15 lakh/unit.
c)	Plastic mulch laying machine	0.70 lakh per unit	Subject to a maximum of Rs.0.28 lakh/unit for general category farmers, and in the case if SC, ST, Small & Marginal farmers, women farmers subject of a maximum of Rs. 0.35 lakh/unit.
iv.	Self-propelled Horticulture Machinery	2.50 lakh per unit	Subject to a maximum of Rs. 1.00 lakh/unit for general category farmers, and in the case if SC, ST, Small & Marginal farmers, women farmers subject of a maximum of Rs. 1.25 lakh/unit.
v.	Plant Protection equipments		
a)	Manual sprayer: (Knapsack/foot operated sprayer)	Rs. 0.012 lakh/unit	Subject to a maximum of Rs.0.005 lakh/unit for general category farmers, and in the case if SC, ST, Small & Marginal farmers, women farmers subject of a maximum of Rs. 0.006 lakh/unit.
b)	Powered Knapsack sprayer/Power Operated Taiwan sprayer (capacity 8 - 12 lts):	Rs. 0.062 lakh/unit	Subject to a maximum of Rs.0.025 lakh/unit for general category farmers, and in the case if SC, ST, Small & Marginal farmers, women farmers subject of a maximum of Rs. 0.031 lakh/unit
c)	Powered Knapsack sprayer/Power Operated Taiwan sprayer (capacity above 12- 16 lts):	Rs. 0.076 lakh/unit	Subject to a maximum of Rs.0.03 lakh/unit for general category farmers, and in the case if SC, ST, Small & Marginal farmers, women farmers subject of a maximum of Rs. 0.038 lakh/unit
d)	Powered Knapsack sprayer/Power Operated Taiwan sprayer (capacity above 16 lts)	Rs. 0.20 lakh/unit	Subject to a maximum of Rs.0.08 lakh/unit for general category farmers, and in the case if SC, ST, Small & Marginal farmers, women farmers subject of a maximum of Rs. 0.10 lakh/unit
e)	Tractor mounted /Operated Sprayer (below 20 BHP):	Rs. 0.20 lakh/unit	Subject to a maximum of Rs.0.08 lakh/unit for general category farmers, and in the case if SC, ST, Small & Marginal farmers,

			women farmers subject of a maximum of Rs. 0.10 lakh/unit
f)	Tractor mounted / Operated Sprayer (above 35 BHP)/ Electrostatic Sprayer	Rs. 1.26 lakh/unit	40% of cost, subject to a maximum of Rs. 0.50 lakh/unit for general category farmers, and in the case if SC, ST, Small & Marginal famers, women farmers 50% of cost, subject to a maximum of Rs. 0.63 lakh per unit.
g)	Eco Friendly Light Trap	Rs. 0.028 lakh/unit	Subject to a maximum of Rs.0.012 lakh/unit for general category farmers, and in the case if SC, ST, Small & Marginal farmers, women farmers subject of a maximum of Rs. 0.014 lakh/unit

XI. HUMAN RESOURCE DEVELOPMENT (HRD)

Assistance for organizing training courses for Supervisors, Entrepreneurs, Gardeners and Field Functionaries will be continued during XII Plan.

Training programme for Supervisors, Entrepreneurs will be organized through selected State Agricultural Universities (SAU), ICAR Institutes, Deemed Universities/Private Universities recognized by UGC having faculty in horticulture and Gardeners training through Krishi Vigyan Kendras and SAUs/ Deemed Universities/Private Universities recognized by UGC recognized by UGC having faculty in horticulture, while departmental staff will be trained under various ongoing training programmes. Training expenses will be met by the Mission.

Minimum qualification for Supervisory & Entrepreneurs training programme would be Higher Secondary and for Gardeners it would be Class-VIII (Middle) standard.

Institutions identified for training should have minimum infrastructure facilities including class rooms, staff, hostel facilities etc.

The courses will be of one year duration for Supervisors and of six months for Gardeners and of three months for Entrepreneurs. In order to attract the candidates and more importantly retain them and prevent their drop out, a monthly stipend will be provided in form of boarding & lodging charges. These courses will be residential. At the end of the training, Supervisors will be awarded a Diploma in horticulture, while Gardeners and Entrepreneurs will be awarded a Certificate of training in horticulture. At least 25 Supervisors, 50 Gardeners and 25 Entrepreneurs will be trained in each participating institution annually.

In case States wish to organize specialized training courses on horticulture related subjects, assistance will be provided for the same to concerned Institutes directly, based on recommendation of concerned State (s). Such training would generally be of short duration of 7 - 10 days for 20 to 25 participants.

Trainers, who are required to train others, can be deputed abroad for training, for which assistance would be made available for meeting the travel cost and course fee. Concerned State Departments of Horticulture/ Agriculture/SHM function as nodal agency for this purpose. Funds will be made available to SHMs for meeting expenses of candidates involved in implementation of Mission programmes based on their specific proposal.

S. No.	Item	Cost Norms*	Pattern of Assistance#
i.	HRD for Supervisors &	Rs. 20.00 lakh/unit	100% of the cost in first year. In subsequent years, cost of infrastructure not to be claimed.

	Entrepreneurs		
ii.	HRD for Gardeners	Rs. 15.00 lakh/unit	100% of the cost.
iii.	Training of farmers		
	a) Within the State	Rs. 1000/day per farmer including transport	100% of the cost.
	a) Outside the State	Project based as per actual.	100% of the cost.
iv.	Exposure visit of farmers		
	a) Outside the State	Project based as per actual.	100% of the cost.
	b) Outside India	Rs. 4.00 lakh / participant	Project Based. 100% of air/rail travel. Course fee cost to be funded under Mission Management.

XII. INTEGRATED POST HARVEST MANAGEMENT

Under post-harvest management, including that for Medicinal plants, activities like handling, grading, pre-conditioning, packaging, transient storage, transportation, distribution, curing and ripening and where possible long term storage can be taken up. Existing schemes of the Directorate of Marketing and Inspection (DMI) and National Cooperative Development Corporation (NCDC) will be leveraged to the extent possible. MIDH would include projects relating to establishment of pre-cooling units, 'on-farm' pack houses, mobile pre-cooling units, staging cold rooms, cold storage units with and without controlled atmosphere capability, integrated cold chain system, supply of refrigerated vans, refrigerated containers, primary/mobile processing units, ripening chambers, evaporative/low energy cool chambers, preservation units, onion storage units and zero energy cool chambers. These projects will be entrepreneur driven and provided credit linked back-ended subsidy.

S. No.	Item	Cost Norms*	Pattern of Assistance#
i.	Pack house	Rs. 4.00 lakh/unit with size of 9Mx6M	50% of the capital cost.
ii.	Integrated pack house with facilities for conveyer belt, sorting, grading units, washing, drying and	Rs. 50.00 lakh per unit with size of 9Mx18M	Credit linked back-ended subsidy @ 35% of the cost of project

	weighing.		
iii.	Pre-cooling unit	Rs. 25.00 lakh / unit with capacity of 6 MT.	Credit linked back-ended subsidy @ 35% of the cost of project
iv.	Cold room (staging)	Rs. 15.00 lakh/ unit of 30 MT capacity	Credit linked back-ended subsidy @ 35% of the cost of project
v.	Mobile pre- cooling unit	Rs. 25.00 lakh	Credit linked back-ended subsidy @ 35% of the cost of project
vi.	Cold Storage (Construction, Expansion and Modernization)		
a)	Cold storage units Type 1 - basic mezzanine structure with large chamber (of >250 MT) type with single temperature zone	Rs. 8,000/MT, (max 5,000 MT capacity)	Credit linked back-ended subsidy @ 35% of the cost of project
b)	Cold Storage Unit Type 2 – PEB structure for multiple temperature and product use, more than 6 chambers (of < 250 MT) and basic material handling equipment.	Rs. 10,000/MT, (max 5,000 MT capacity)	Credit linked back-ended subsidy @ 35% of the cost of project
c)	Cold Storage Units Type 2 with add on technology for Controlled Atmosphere	Additional Rs. 10,000/MT for add on components of controlled atmosphere technology. Details are as per Appendix - II	Credit linked back-ended subsidy @ 35% of the cost of project
vii.	Technology induction and modernization of cold-chain	Max Rs. 250.00 lakh for modernization of PLC equipment, packaging lines, dock levelers, advanced graders, alternate technologies, Stacking systems, modernization of insulation and refrigeration, etc. Details are in Appendix –II	Credit linked back-ended subsidy @ 35% of the cost of project
viii.	Refrigerated Transport vehicles	Rs. 26.00 lakh for 9 MT (NHM	Credit linked back-ended subsidy @ 35% of the cost of project

		& HMNEH), and prorata basis for lesser capacity, but not below 4 MT.	
ix.	Primary / Mobile/ Minimal processing unit	Rs 25.00 lakh/unit	Credit linked back-ended subsidy @ 40% of the capital cost of project
x.	Ripening chamber	Rs. 1.00 lakh/MT	Credit linked back-ended subsidy @ 35% of the capital cost of project for a maximum of 300 MT per beneficiary.
xi.	Evaporative / low energy cool chamber (8 MT)	Rs. 5.00 lakh/unit	50% of the total cost.
xii.	Preservation unit (low cost)	Rs.2.00 lakh/unit for new unit and Rs.1.00lakh/unit for up-gradation	50% of the total cost.
xiii.	Low cost onion storage structure (25 MT)	Rs. 1.75 lakh/per unit	50% of the total cost.
xiv.	Pusa Zero energy cool chamber (100 kg)	Rs. 4000 per unit	50% of the total cost.
xv.	Integrated Cold Chain supply System	Project Based. Project should comprise of minimum two components listed under C.1 to C.13 above, with maximum cost of Rs. 600.00 lakh.	Credit linked back-ended subsidy @ 35% of the cost of project

XIII. ESTABLISHMENT OF MARKETING INFRASTRUCTURE

Main objectives of providing assistance under this component are (a) to encourage investments from private and cooperative sectors in the development of marketing infrastructure for horticulture commodities (b) strengthen existing horticulture markets including wholesale and rural markets; (c) focus on promotion of grading, standardization and quality certification of horticulture produce at farm/market level to enable farmers to realize better price; and (d) create general awareness among farmers, consumers, entrepreneurs and market functionaries on market related agricultural practices.

S. No.	Item	Cost Norms*	Pattern of Assistance#
i.	Rural Markets/Apni mandies/Direct markets	Rs. 25.00 lakh	Credit linked back-ended subsidy @ 40% of the capital cost of project in general areas and 55% in case of Hilly & Scheduled areas, per beneficiary.
ii.	Retail Markets / outlets (environmentally controlled)	Rs. 15.00 lakh/unit	Credit linked back-ended subsidy @ 35% of the capital cost of project in general areas and 50% in case of Hilly & Scheduled areas, per beneficiary.
iii.	Static/Mobile Vending cart/ platform with cool chamber.	Rs. 30,000/ unit	50% of total cost.
iv.	Functional Infrastructure for:		
	i) Collection, sorting/ grading, packing units etc.	Rs.15.00 lakh	Credit linked back-ended subsidy @ 40% of the capital cost of project in general areas and 55 % in case of Hilly & Scheduled areas, per beneficiary.
	ii) Quality control/ analysis lab	Rs. 200.00 lakh	100% of the total cost to public sector and 50% of cost to private sector as credit linked back ended subsidy.

XIV. FOOD PROCESSING

Processing of horticultural produce and value addition is an important activity. While primary/ minimal processing units will be promoted under NHM, large scale processing units will be promoted by Ministry of Food Processing Industries (MFPI), out of their ongoing Schemes.

S. No.	Item	Cost Norms*	Pattern of Assistance#
i.	Food processing units	Rs. 800 lakh/unit	Credit linked back ended capital investment assistance of 50% of cost in the States of J&K, Himachal and Uttarakhand

XV. SPECIAL INTERENTIONS

S. No.	Item	Cost Norms*	Pattern of Assistance#
i.	Innovative interventions not covered under any GOI schemes	10% of outlay	50% of cost, based on project proposal.
ii.	Tackling of emergent /unforeseen requirements of State Horticulture Mision (SHMs)	Rs.20.00 lakh	50% of cost, based on project proposal.

* *Cost norms means upper limit of cost for calculation of subsidy.*

Note: The release of back ended subsidy need not be credit linked for the institutions like Public Sector Units, Panchayats, Cooperatives, Registered Societies / Trusts and Public limited Companies, provided they can meet the remaining share of the project cost, out of their own resources.

APPENDIX II

TECHNOLOGY INDUCTION OF COLD CHAIN, ADD-ON FOR CA AND MODERNIZATION

C. 7	Technology induction and modernisation of cold-chain	Max Rs. 250.00 lakh for modernization of PLC equipment, packaging lines, dock levelers, advanced graders, alternate technologies, stacking systems, modernization of insulation and refrigeration, etc. Details are in Appendix –II	Credit linked back-ended subsidy @ 35% of the cost of project in general areas and 50% of cost in case of Hilly & Scheduled areas, per beneficiary.
C. 8	Refrigerated Transport vehicles	Rs. 26.00 lakh for 9 MT (NHM & HMNEH), and prorata basis for lesser capacity, but not below 4 MT.	Credit linked back-ended subsidy @ 35% of the cost of project in general areas and 50% of cost in case of Hilly & Scheduled areas, per beneficiary.
C. 9	Primary / Mobile / Minimal processing unit	Rs 25.00 lakh/unit	Credit linked back-ended subsidy @ 40% of the capital cost of project in general areas and 55% in case of Hilly & Scheduled areas.
C. 10	Ripening chamber	Rs. 1.00 lakh/MT	Credit linked back-ended subsidy @ 35% of the capital cost of project in general areas and 50% in case of Hilly & Scheduled areas for a maximum of 300 MT per beneficiary.
C. 11	Evaporative / low energy cool chamber (8 MT)	Rs. 5.00 lakh/unit	50% of the total cost.
C. 12	Preservation unit (low cost)	Rs. 2.00 lakh/unit for new unit and Rs. 1.00 lakh/unit for up-gradation	50% of the total cost.
C. 13 C. 14	Low cost onion storage structure (25 MT) Pusa Zero energy cool chamber (100 kg)	Rs. 1.75 lakh/per unit Rs. 4000 per unit	50% of the total cost. 50% of the total cost.
C. 15	Integrated Cold Chain supply System	Project Based. project in Project should case Hilly & Scheduled areas, comprise of minimum two components listed under C.1 to C.13 above, with maximum cost of Rs. 600.00 lakh	Credit linked back-ended subsidy @ 35% of the cost of project in general areas and 50% of cost in per beneficiary.

D.	ESTABLISHMENT OF MARKETING INFRASTRUCTURE FOR HORTICULTURAL PRODUCE IN GOVT./PRIVATE/COOPERATIVE SECTOR		
D. 1	Terminal markets	Rs.150.00 crore/ project	25% to 40% (limited to Rs.50.00 crore) as Public-Private Partnership mode through competitive bidding, in accordance with operational guidelines issued separately.
D. 2	Wholesale markets	Rs.100.00 crore/ project	Credit linked back-ended subsidy @ 25% of the capital cost of project in general areas and 33.33% in case of Hilly & Scheduled areas, per beneficiary.

D. 3	Rural Markets/Apni mandies/Direct markets	Rs. 25.00 lakh	Credit linked back-ended subsidy @ 40% of the capital cost of project in general areas and 55% in case of Hilly & Scheduled areas, per beneficiary.
D. 4	Retail Markets /outlets (environmentally controlled)	Rs. 15.00 lakh/unit	Credit linked back-ended subsidy @ 35% of the capital cost of project in general areas and 50% in case of Hilly & Scheduled areas, per beneficiary.
D. 5	Static/Mobile Vending cart/platform with cool chamber.	Rs.30,000/unit	50% of total cost.
D. 6	Functional Infrastructure for:		
	i) Collection, sorting/ grading, packing units etc.	Rs.15.00 lakh	Credit linked back-ended subsidy @ 40% of the capital cost of project in general areas and 55 % in case of Hilly & Scheduled areas, per beneficiary.
	ii) Quality control/ analysis lab	Rs. 200.00 lakh	100% of the total cost to public sector and 50% of cost to private sector as credit linked back ended subsidy.
D. 7	Gravity operated rope way in hilly areas	Rs. 15.00 lakh/km	Credit linked back-ended subsidy @ 50% of capital costs in Hilly areas.
E.	FOOD PROCESSING		
E. 1	Food processing units	Rs. 800 lakh/unit	Credit linked back ended capital investment assistance of 50% of cost in the States of J&K, Himachal and Uttarakhand
F.	SPECIAL INTERVENTIONS		
F. 1	Innovative interventions not covered under any GOI schemes	10% of outlay	50% of cost, based on project proposal.
F. 2	Tackling of emergent /unforeseen requirements of SHMs	Rs.20.00 lakh	50% of cost, based on project proposal.
G.	MISSION MANAGEMENT		
G. 1	State & Districts Mission Offices and Implementing agencies for administrative expenses, project, preparation,	5% of total annual expenditure on the basis of appraised needs to State Horticulture	100% assistance.

	Computerization, contingency etc.	Mission (SHM) /implementing Agencies	
G. 2	Institutional Strengthening, hire/purchase of vehicles, hardware/software	Project based	100% assistance.
G. 3	Seminars conferences, workshops, exhibitions, Kisan Mela, horticulture shows, honey festivals etc.		
	a) International level	Rs. 7.50 lakh per event.	100% of cost per event of 4 days, on pro rata basis.
	b) National level	Rs. 5.00 lakh per event.	100% of cost per event of two days.
	c) State level	Rs. 3.00 lakh /event	100% assistance subject to a maximum of Rs.3.00lakh per event of two days.
	d) District level	Rs. 2.00 lakh /event	100% assistance subject to a maximum of Rs.2.00lakh per event of two days.
G. 4	Information dissemination through publicity, printed literature etc and local advertisements	Rs.0.40lakh/block	100% of cost.
G. 5	Development of technology packages in electronic form to be shared through IT network	Rs. 1.00 lakh/ district	100% of Cost
G. 6	Technical Support Group (TSG) at State Level for hiring experts/staff, studies, monitoring & concurrent evaluation/ evaluatio, mass media, publicity, video conference etc.	Project based, subject to a ceiling of Rs. 50. 00 lakh per annum/state	100% of cost
G. 7	7. Promotion of Farmer Producers Organization/ FPO/FIG Farmer Interest Groups of 15-20 farmers/20 ha, Growers Associations and tie up with Financial Institution and Aggregators.	As per norms issued by SFAC.	As per norms issued by SFAC from time to time.
G. 8	Baseline survey and Strengthening horticultural statistical data base	Rs. 100.00 lakh for large states, Rs.50.00 lakh for small states and Rs. 25.00 lakh for very small states/ UTs.	100% of cost as one time grant on survey related activities.

I.	National Level		
G.9	Technical Support Group (TSG) at National Level for hiring experts/staff, studies, Seminar/ Workshops, training, contingencies, monitoring & evaluation, mass media, publicity, video conference etc as per G.3.	Rs. 5.00 crore per annum	
G.10	2. Technical Collaboration with International agencies like FAO, World Bank, ADB, Bilateral cooperation, International exposure visits/ training of officials etc	Project based. On actual cost basis.	100% of cost.
<p>* <i>Cost norms means upper limit of cost for calculation of subsidy.</i></p> <p>#Note: The release of back ended subsidy need not be credit linked for the institutions like Public Sector Units, Panchayats, Cooperatives, Registered Societies / Trusts and Public limited Companies, provided they can meet the remaining share of the project cost, out of their own resources. Hilly Areas include those areas covered under Hill Area Development Programme and Western Ghat Development Programme of Planning Commission. Scheduled Areas include those areas notified by Planning Commission and State Governments. TSP Areas include those areas notified by Ministry of Tribal Affairs. NE & Himalayan States refer to States in North East & Himalayan region covered under HMNEH scheme.</p>			

Directory of Schemes in Department of Agriculture, Punjab

I. Centrally Sponsored Schemes

(Rs. in lac)

S. No	Scheme/ Component	Brief description/ Activities covered	Subsidy/ Assistance	Proposed Budget- 2021-22
2.	National Food Security Mission (NFSM) (60:40)			
	High Yielding Varieties of Seeds, Technology Dissemination through Cluster Demonstrations, Cropping System Based Demonstrations, Latest Farm Machinery, Assistance for Custom Hiring and Training of Farmers etc.			2000.00
C.	Wheat	12 Districts i.e Amritsar, Bhatinda, Ferozepur, Hoshiarpur, Gurdaspur, Fazilka, Jalandhar, Kapurthala, Pathankot, Ropar, S.A.S Nagar and Tarn Taran		
i.	Demonstrations on Improved Technologies:			
a.	Cluster Demonstrations (of 100 ha each)		Rs 7500/-per Ha	
b.	Cropping System based demonstrations (100 ha each) i. Wheat-Maize ii. Wheat-Rice (SRI/DSR/Line Transplanting)		Rs 12500/-per Ha Rs 12500/-per Ha	
ii.	Distribution of HYVs seeds		Rs 1000/-per Qtl	
iii.	Need Based Plant/Soil Protection Management:			
a.	Soil Management (i) Micronutrients		Rs 500/ha or 50% of the cost, whichever less	
b.	Plant Management (i) Plant Protection Chemicals & bio-agents		Rs 500/ha or 50% of the cost, whichever less	

iv.	Resource Conservation Machineries/ Energy Management:			
a.	Manual Sprayers		Rs 600/unit or 50% of cost whichever less	
b.	Power Knap Sack Sprayers		Rs 3000/unit or 50% of cost whichever less	
c.	Zero Till Seed Drills		Rs 15000/unit or 50% of cost whichever less	
d.	Multi Crop Planters		Rs 15000/unit or 50% of cost whichever less	
e.	Seed Drills		Rs 15000/Unit or 50% of cost whichever less	
f.	Rotavators/ Turbo Seeder		Rs 35000/unit or 50% of cost whichever less	
g.	Chiseller		Rs 8000/unit or 50% of cost whichever less	
h.	Laser Land Levelers		Rs 150000/unit or 50% of cost whichever less	
i.	Multi Crop Threshers		Rs 40000/unit or 50% of cost whichever less	
v.	Cropping System based trainings	Four sessions i.e one before Kharif, One each during kharif and rabi crops and one after rabi harvest	Rs 3500/-per session /Rs 14000/- per Training	
vi.	Local Initiative			
a.	Reversible Hydraulic MB Plough (As per SMAM* norm) (*Sub Mission on Agricultural Mechanization)		40% of cost or Rs. 35,000/-	
b.	Mulcher (As per SMAM norm)		40% of cost or Rs. 35,000/-	
D.	Pulses	all districts		
i.	Demonstrations on Improved Technologies:			
a.	Cluster Demonstrations (of100 ha each i. Arhar ii. Kharif Moong iii. Summer Moong		Rs. 7500/- per ha Rs. 7500/- per ha Rs. 7500/- per ha	
b.	Cropping System Based Demonstrations i. Wheat-Summer Moong		Rs.12500/- per ha	
ii.	Assistance for Distribution & Production of Seeds			
a.	Distribution of Seeds		Rs. 2500/- Qtl or 50% of cost whichever less	
b.	Production of Seeds i. Moong		Rs. 2500/-Qtl or 50% of cost whichever less	

iii.	Integrated Pest Management (IPM):		
	(a) Distribution of PP Chemicals		Rs. 500/ha or 50% of cost whichever less
	(b) Weedicides		Rs. 500/ha or 50% of cost whichever less
iv.	Resource Conservation Machineries/ Energy Management:		
a.	Power Knap Sack Sprayers		Rs 3000/unit or 50% of cost whichever less
b.	Rotavators		Rs 35000/unit or 50% of cost whichever less
v.	Cropping System based trainings	Four sessions i.e one before Kharif, One each during kharif and rabi crops and one after rabi harvest	Rs 3500/-per session /Rs 14000/- per Training
vi.	Other Initiative		
	Assistance for Custom Hiring Centers		
a.	Mechanical line sowing of pulses		Rs1500/- ha
b.	Mechanical Threshing of Pulses		Rs1500/- ha
E.	Coarse Cereals (MAIZE)	(3 districts: Hoshiarpur, Roopnagar, SBS Nagar)	
i.	all Demonstrations on Improved Package		
	(i) Maize		Rs. 5000/-per ha
ii.	Distribution of Certified Seeds:		
	(b) Hybrid Seeds		
	(i) Maize		Rs. 5000/-per qtl.
F.	Commercial Crops (NFSM-CC)		
a)	COTTON		
i.	Front Line Demonstration on Integrated Crop Management		Rs 7000/- ha (Rs 6000/- for inputs & Rs 1000/- for Contingency)
ii.	Front Line Demonstration on Desi & ELS cotton / ELS cotton seed production		Rs 8000/- ha (Rs 7000/- for inputs & Rs 1000/- for Contingency)
iii.	Trails on High density Planning System		Rs 9000/- ha (Rs 8000/- for inputs & Rs 1000/- for Contingency)
b)	SUGARCANE		
i.	Demonstration on Inter-cropping and single bud chip technology with sugarcane		Rs 8000/- ha (Rs 7000/- for inputs & Rs 1000/- for Contingency)

3.	National Mission on Agriculture Extension and Technology(NMAET) (60:40)			
A.	Seed Village Programme			1.00
i.	Supply of Seeds	subsidy on Wheat and Summer Moong seed, subsidy on seed bin and organizing training camps	The concerned implementing agencies will distribute the foundation/certified seeds at 50% cost to the already identified farmers. The seeds for half an acre per farmer will be allowed.	
ii.	Supply of Storage Bin		Assistance @ 33% subject to a maximum of Rs.3000/- for SC/ST farmers and @ 25% subject to maximum of Rs.2000 for other farmers for procuring seeds storage bin of 20 qtl. capacity. Assistance @ 33% subject to maximum of Rs.1500/- to SC/ST farmers and @ 25% subject to maximum of Rs.1000/- for other farmers for making seeds storage bin of 10 qtl. capacity in the seed villages where seed village scheme is being implemented. No beneficiary should be provided 2 storage bins and assistance would be limited to only one storage bin as per demand from the beneficiary.	
B.	Sub Mission on Agricultural Extension – Support to State Extension Programmes for Extension Reforms: Agricultural Technology Management Agency (ATMA)			4184.59
i.	Training of Farmers			
	a. Inter-state (outside state)	Duration of training shall be 5-7 days	Training expenses will be borne by the department	
	b. Within the state	Duration of training shall be 3-5 days		
	c. Within the district	Duration of training shall be 1-2 days		
ii.	Organizing demonstrations (for agriculture & allied sectors)			
iii.	Exposure visit of farmers			
	a. Inter-state (outside the state)	Up to 5 farmers per Block per batch of an Exposure Visit. Maximum period of an exposure visit not to exceed 7 days (excluding	Expenses for exposure visit will be borne by the	

		journey time). (the cost should be limited to actual traveling expenditure and boarding/ lodging cost.)	department	
	b. Within the state	Same as given above, except that the maximum period of an exposure visit not to exceed 5 days (excluding journey time).		
iv.	c. Within the district	Same as given above, except that the maximum period of an exposure visit not to exceed 3 days (excluding journey time).		
v.	Mobilization of farmer groups of different types including Farmer Interest Groups, Women Groups, Farmer Organizations, Commodity Organizations, and Farmer Cooperatives etc.			
	a. Their capacity building, skill development and support services	Upto 20 groups per block	Rs. 5000/- per group	
	b. Seed money /revolving fund	Only to viable groups on competitive basis	Rs. 10,000/- per group	
	c. Food Security Groups	2 FSGs/Block is mandatory. These will be all women farmers' groups and Seed Money will be given for Household food security garden.	Rs. 10,000/- per group	
vi.	Rewards and incentives –Farmer Groups	Best organized group representing different enterprises (5 groups)	Rs. 20,000/- per group	
vii.	Farmer Awards	Best farmers representing different enterprises at Block Level	Rs. 10,000/- per farmer	
iii.	Farm Information dissemination			
	a. District level exhibitions, kisan melas, fruits/ vegetable shows.			
	b. Information dissemination through printed leaflets etc and local advertisements.			
	c. low cost publication			
ix.	Agricultural Technology Refinement, Validation and Adoption			
	a. Farmer Scientist Interactions at	2 interactions per district		

	district level 25 farmers for 2 days.			
	b. Designate expert support from KVK/SAU at District Level	KVKs/SAUs/ Agri. Research Institutes have to designate expert in charge of one district. He would provide instant guidance to dist. functionaries/BTMs/ SMSs within his respective district. The support is to be provided as an incentive for sharing expertise in their respective fields in addition to their official duties.		
	c. Joint visits by Scientists & Extension Workers			
	d. Organization of Kisan Gosthis to strengthen Research –Extension – Farmer linkages (1 per block in each of the 2 seasons).			
x.	Farm School	Farm Schools will be preferably organized in a cluster approach so as to have a demonstrable impact.	Rs.29,414/Farm School + Rs.4000/ group of Farm Schools	
xi.	Farmer Friend	One FF/ 2 Village	Rs. 6,000/- per farmer friend per year	
C.	Sub Mission on Agriculture Mechanization (SMAM)			5000.00
	Procurement subsidy for establishment of custom hiring center upto 10 lac		Rs 4.00 lac	
	Procurement subsidy for establishment of custom hiring center upto 25 lac		Rs 10.00 lac	
	Procurement subsidy for establishment of custom hiring center upto 40 lac		Rs 16.00 lac	
	Procurement subsidy for establishment of custom hiring center upto 60 lac		Rs 24.00 lac	

	Procurement subsidy for establishment of custom hiring center upto 100 lac		Rs 40.00 lac	
4.	Paramparagat Krishi Vikas Yojna (60:40)			200.00
	Assistance to the Farmers Collective of 50 clusters towards market initiatives		50% Financial assistance will be permissible for a. Grading and sorting b. Packing, labeling & hologram printing c. Hiring charges for go down The charges will be fixed by the SLEC (State Level Executive Committee) for the above activities	
	Assistance to the Farmers Collective of 50 clusters towards transportation of their produce from farm fields to go down/markets		50% Financial assistance will be permissible for collection and transportation of organic produce to market places, for purchasing four wheel transport vehicles.	
	Assistance to Farmers Collective of 50 clusters towards market facilitation		50% Financial assistance will be permissible towards i) Hiring of market place for a maximum period of one year. ii) Buyer seller meets and negotiations iii) Product development	
	Assistance to Farmers Collective of 50 clusters towards participation in Organic fair/ Seminars/ workshops/ Events to increase the marketability of products.		50% financial assistance is permissible towards the participation in seminars/ workshops/other events.	
5.	National Mission on Oilseeds and Oil Palm (NMOOP) (60:40)			96.67
	Distribution of Certified Seeds		Assistance @50% of the cost limited to Rs.2500/- per quintal for varieties of oilseeds not older than 10 years EXCEPT Sesamum..	

			Assistance for distribution of hybrid seeds of sunflower, safflower, rapeseed-mustard, castor and variety of sasamum will be @ 50% of the cost limited to Rs. 5000/- per quintal which are not older than 10 years.	
	Plant Protection Equipments/eco friendly light-trap (NCIPM Model)		For manual sprayers: Knapsack/foot operated sprayers, eco friendly light trap (NCIPM), @ 40% of the 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. 800/- per unit). Seed treating drum with a capacity of 20 kg and 40 kg @ 50% assistance subject to ceiling of Rs.1750/- and 2000/- per unit respectively. 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). For Knapsack power sprayers (capacity above 16 litres) @ 40% of the cost of procurement subject to a ceiling of Rs. 8000/- per unit (additional 10% assistance to SC / ST / Small / Marginal Farmers / Women, Groups >5 members FPOs and NE States to a ceiling of Rs. 10000/- per unit).	
	Plant Protection Chemicals/ insecticides/ fungicides/ Bio-pesticides/ Weedicides/ Bio-agents/ micronutrients etc		Need based supply of PP chemicals, insecticides, fungicides, bio-pesticides, weedicides, bio-agents, micronutrients etc. to the farmers will be supported @ 50% of the cost limited to Rs 500/- ha.	
	Distribution of gypsum/ pyrite/ liming/ dolomite/ Single Super Phosphate etc. (SSP)		NMOOP for supply of gypsum/pyrite/liming/ dolomite/SSP, etc., to the farmers. Any source of sulphurnotified in FCO including 90% Powder (FCO Grade) as alternative source of Sulphur will also be included as new component. Support to SDAs @ 50%	

			cost of the material + transportation limited to Rs. 750/- per ha.	
	Block Demonstrations		Crop Assistance (Rs./ha) Groundnut 7500 Soybean 4500 R & M 3000 Sunflower 4000 Sesame/Safflower/castor 3000 Linseed 3000 Niger 3000 One demo will be allowed to one farmer with a ceiling of one Ha under each crop	
6.	Soil Health Card (60:40)			751.97
	Components: i. Issue of Soil Health Cards ii. Training for soil analysis iii. Capacity building and regular monitoring and evaluation iv. Financial assistance for package of nutrient recommendations	Objectives: i. To issue soil health cards every 3 years, to all farmers of the country, so as to provide a basis to address nutrient deficiencies in fertilization practices. ii. To develop and promote soil test based nutrient management in the districts for enhancing nutrient use efficiency.		
A.	Financial assistance for package of nutrient recommendations	Aims to provide financial assistance to farmers to apply corrective measures for nutrient deficiencies and popularizing balance and integrated nutrient management practices for their cropping systems.		
i.	Gypsum/phosphogypsum / bentonite sulphur		50% of the cost of material limited to Rs.700 per ha	
ii.	Micronutrients		50% of the cost limited to Rs.500 per ha	
iii.	All Bio-fertilizers		50% of the cost limited to Rs.300 per ha	

iv.	Lime/liming materials		50% of the cost material limited to Rs.1000 per ha	
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These schemes of financial year 2021-22 have been renamed under the umbrella scheme of krishionnati yojna in financial year 2022-23. The details of the same are as below.

Sr. No.	2021-22		2022-23	
	Name of the Scheme	Scheme code	Name of the Scheme	Scheme code
	Green Revolution		Krishonnati yojna	
1	National Food Security Mission	9140	Food & Nutrition Security	4032
2.	National Mission on Horticulture	9120	Integrated development of Horticulture	4036
3.	Sub-Mission on seed and planting Material	3031	Seed & Planting Material	4037
4.	Sub-Mission on Agriculture Extension	9144	Agriculture Extension	4038
5.	Information Technology	9423	Digital Agriculture	4039
6.	Integrated Scheme on Agriculture Census & Statistics	9005	Agriculture Census & Statistics	4040
7.	Integrated scheme on Agriculture Marketing	9006	Agriculture Marketing	4014