

A Farmer Friendly Handbook for Schemes & Programmes

2018-19



Government of India
Ministry of Agriculture and Farmers Welfare
Department of Agriculture, Cooperation and Farmers Welfare

A Farmer Friendly Handbook Schemes & Programmes

2018 – 19



Department of Agriculture, Cooperation &
Farmers Welfare (DAC&FW)

Ministry of Agriculture and Farmers Welfare
Government of India

S.K. PATTANAYAK
SECRETARY



भारत सरकार
कृषि एवं किसान कल्याण मंत्रालय
कृषि, सहकारिता एवं किसान कल्याण विभाग
Government of India
Ministry of Agriculture & Farmers Welfare
Department of Agriculture, Cooperation
& Farmers Welfare

Farmers Friendly Hand Book 2018-19

The Department of Agriculture, Cooperation & Farmers Welfare, Government of India, has been implementing various schemes and programmes for the benefit of farmers through its institutes/organizations and State Governments. The Guidelines of these schemes, circulars and instructions issued thereunder provide relevant details on the type and extent of benefits for different components promoted under these schemes. The detailed Guidelines of individual Schemes and Programmes are available in paper form and also on the website agricoop.nic.in. This Hand Book provides information on schemes, criteria for assistance and the components for which subsidy is available.

The Department has been bringing out such Hand Book since 2013-14 in Hindi & English. It is made available to all the major stakeholders in Agriculture in the States and Central Government. The State Agriculture Departments add state sector schemes and translates into local languages before these are printed for wider circulation to the farmers.

This Hand Book will facilitate farmers and provide guidance to extension field functionaries, NGOs and other stakeholders involved in agricultural development and also serve as a ready reckoner for the policy makers of the country. The information on various schemes/programmes would enable the farming communities to have access to the right information and help achieve doubling of their income.

New Delhi
8th August, 2018.

S.K.Pattanayak
(S.K. Pattanayak)

P.K. Borthakur, IAS
Joint Secretary



भारत सरकार
कृषि एवं किसान कल्याण मंत्रालय
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WHY THIS HANDBOOK?

The Department of Agriculture, Cooperation & Farmers Welfare, Government of India brings various publications from time to time, however, the compilation of information on schemes and programs in one booklet is an unique feature of Farmers Friendly Handbook.

This Handbook has been conceived by arranging component wise information rather than in terms of schemes/programmes. The Handbook has been prepared by categorizing various activities in 15 different themes viz. 1. Agriculture Insurance; Prachan Mantri Fasal Bima Yojana (PMFBY), 2. Soil Health Card, Soil Conservation and Micronutrients, 3. Irrigation; Pradhan Mantri Krishi Sinchai Yojana (PMKSY) & other Schemes, 4. Agricultural Marketing; National Agriculture Market, 5. Organic Farming; Paramparagat Krishi Vikas Yojana, 6. Horticulture, 7. Seeds, 8. Protection of Plant Varieties and Farmers Rights (PPV&FR) 9. Mechanization and Technology; 10. Training and Extension for Farmers, 11. Agricultural Credit, 12. Plant Protection 13. Sustainable Agriculture, 14. Model Contract Farming Act 2018, 15. Model Agriculture Land Leasing Act, 2016.

Besides this, broad suggestions on practical aspects of each of these themes have also been included. Each theme thus gets divided into three aspects viz. What to do ? What you can get ? and Whom to contact ?

The scheme/programme would enable the farming community to have access to the right institutions/departments for becoming the beneficiaries of the Government of India's initiatives/programmes/ schemes.

(Signature)
9/8/18

(Paban Kumar Borthakur)
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1

AGRICULTURAL INSURANCE :

PRADHAN MANTRI FASAL BIMA YOJANA (PMFBY)

What to do?

- Safeguard yourself financially against natural risks like natural disasters/ calamities, insect, pests & diseases and adverse weather conditions.
- Take benefit of appropriate crop insurance scheme applicable in your area.
- Four insurance schemes are being implemented namely, Pradhan Mantri Fasal Bima Yojana (PMFBY), Weather Based Crop Insurance Scheme (WBCIS), Coconut Palm Insurance Scheme (CPIS) and Pilot Unified Package Insurance Scheme (UPIS) (45 districts).
- Coverage under PMFBY/WBCIS/CPIS/UPIS is compulsory, if you avail crop loan for notified crops.
- Coverage is voluntary for non-loanee farmers.
- Contact District Agriculture officers of State Govt./nearest branch of bank/PACS Common Service Centre (CSC) or crop insurance company operating in your area for availing the benefits under the Crop Insurance Scheme.



What You Can Get?

Sr. No.	Scheme	Assistance
1.	Pradhan Mantri Fasal Bima Yojana (PMFBY)	<ul style="list-style-type: none">• Insurance protection for food crops, oilseeds and annual horticultural/commercial crops notified by state government.• Uniform maximum premium for all farmers :<ul style="list-style-type: none">i) Kharif season - 2% of sum insured.ii) Rabi Season 1.5% of sum insured.iii) Annual commercial/horticultural crops - 5% of sum insured.• The difference between actual premium and the rate of Insurance payable by farmers shall be shared equally by the Centre and State.• Claims of full Sum Insured (SI), without capping or reduction in SI.• If the sowing is not done due to adverse weather/climate, claims upto 25% of sum insured will be paid for prevented sowing/planting risk.• When the crop yield is less than the guaranteed yield of notified crops, the claim payment equal to shortfall in yield is payable to all insured farmers.



Sr. No.	Scheme	Assistance
		<ul style="list-style-type: none"> If 50% loss in mid season of crop then on account advance payment, up to 25% of likely claims will be paid as immediate relief. Losses caused by inundation, hailstorm and landslide would be assessed at individual farm level. Post harvest losses assessment for damage to crops in cut and spread in the field up to 14 days on account of cyclonic rain and unseasonal rain in the entire country . Use of Remote Sensing Technology and drones to supplement Crop Cutting Experiments for faster settlement of claims. Implementing agency will be selected by the State Government through bid.
2.	Weather Based Crop Insurance Scheme (WBCIS)	<ul style="list-style-type: none"> Insurance protection for notified food crops, oilseeds and annual horticultural/commercial crops. Uniform maximum premium for all farmers like PMFBY : <ul style="list-style-type: none"> a) Kharif season - 2% of sum insured. b) Rabi Season 1.5% of sum insured. c) Commercial/horticultural crops 5% of sum insured. The difference between actual premium and the rate of Insurance payable by farmers shall be shared equally by the Centre and State. When the weather indices (rainfall/ temperature/relative humidity/wind speed etc.) is different (less or higher) from the Guaranteed Weather Index of notified crops, the claim payment equal to deviation/shortfall is payable to all insured farmers of notified area. Provision for assessment of losses caused by hailstorm and cloudburst at individual farm level. Implementing agency will be selected by the State Government through bid.
3.	Coconut Palm Insurance Scheme (CPIS)	<ul style="list-style-type: none"> Insurance protection for Coconut Palm growers. Premium rate per palm ranges from Rs. 9.00 (in the plant age group of 4 to 15 years) to Rs. 14.00 (in the plant age group of 16-60 years). 50-75% subsidy of premium is provided to all types of farmers. When the palm damaged, the claim payment equal to input cost loss damage is payable to the insured in notified areas.



Sr. No.	Scheme	Assistance
4.	Unified Package Insurance Scheme (UPIS) as pilot in notified districts.	<ul style="list-style-type: none">To provide financial protection & comprehensive risk coverage of crops, assets, life, and student safety to farmers.Pilot will include seven section Viz., crop Insurance (PMFBY/WBCIS), Loss of Life (PMJJBY), Accidental Death & Disability (PMSBY), Student Safety, Household, Agriculture implements & Tractor.Crop Insurance will be compulsory. However, farmers can choose at least two section from remaining.Farmers may be able to get all requisite insurance products for farmers through one simple proposal/ application Form and through single window.Two flagship schemes of the Government viz PMSBY & PMJJBY have been included apart from insurance of assets.Pilot scheme will be implemented through single window.Processing of claims (other than Crop Insurance) on the basis of individual claim report.

Whom to Contact?

Nearest branches of Bank/ PACS/Cooperative Banks/ Common Service Centre (CSC) Empanelled General Insurance Companies notified for the area and District Agriculture Officer/Block Development Officer may be contacted or visit web portal www.pmfby.gov.in.





2

SOIL HEALTH CARD

SOIL CONSERVATION AND MICRONUTRIENTS

What to do?

- Always use appropriate quantity of fertilizer based on soil test.
- Use organic manures to maintain the fertility of soil.
- In order to get maximum benefit of the fertilizers, always apply in root zone instead of broadcasting.
- Resort to judicious and efficient use of Phosphatic Fertilizers for proper development of roots/shoots and timely maturity of crops, particularly the legumes which fix atmospheric Nitrogen for enrichment of soil.
- Farmers desirous of adopting Participatory Organic Guarantee System (PGS – India) Certification system may form a group of at least 5 farmers and get it registered with the nearest Regional Centre of Organic Farming.



Soil Health Card: Soil health card has been launched on 19th February 2015. Under the scheme, Soil health card will be provided to all farm holdings in the country at an interval of 2 years so as to enable the farmers to apply appropriate recommended dosages of nutrients for crop production and improving soil health and its fertility.

What You Can Get?

Assistance for Soil Improvement

S. No.	Type of Assistance	Criteria for Assistance/maximum limit	Scheme/Component
1.	Distribution of Micronutrients & soil ameliorants.	Rs. 2500/ha	Soil Health Card scheme
1. a	Supply of gypsum/pyrite/ lime/dolomite	50 % cost of the material + transportation limited to Rs. 750 per hectare.	National Food Security Mission (Oil Seed & Oil Palm)



S. No.	Type of Assistance	Criteria for Assistance/maximum limit	Scheme/Component
2.	Supply of gypsum phosphogypsum / bentonite sulphur. Wheat & Pulses	50% of the cost limited to Rs. 750/- per hectare	National Food Security Mission (NFSM), BGREI
3.	Micronutrients (Rice, Wheat, Pulses & Nutri-Cereals)	50% of the cost limited to Rs. 500/-per ha.	NFSM & BGREI
4.	Lime/liming materials (Rice & Pulses)	50% of the cost of the material limited to Rs.1000/ha.	NFSM & BGREI
5.	Bio-fertilizers (Pulses Nurti-Cereals)	50 % of the cost limited to Rs. 300 per ha.	BGREI/ NFSM
6.	Adoption of Organic Farming	Rs. 10,000 per hectare for maximum area of 4 ha per beneficiary spread over a period of 3 years involving assistance of Rs. 4000 in first year and Rs. 3000 each in second and third year.	National Horticulture Mission(NHM)/ Horticulture Mission for North-East and Himalayan States (HMNEH) - Sub schemes under Mission for Integrated Development of Horticulture (MIDH)
7.	Vermi-Compost Unit (dimension of permanent structure to be administered on)	Rs. 50,000/- per unit (having dimension of 30 ft x 8 ft x 2.5 ft or 600 cft, on prorata basis)	NHM/HMNEH Sub schemes under MIDH
8.	High Density Poly Ethylene (HDPE) Vermi Bed	Rs. 8,000/- per unit (having dimension of 12 ft x 4 ft x 2 ft or 96 cu ft, on prorata basis and is 15907:2010 to be administered on)	NHM/HMNEH Sub schemes under MIDH
9.	Promotion of Integrated Nutrient Management	Rs. 1,200/- per hectare (upto an area of 4 hectares)	NHM/HMNEH Sub schemes under MIDH
10	Setting up of new Mobile/Static Soil Testing Laboratories (MSTL/SSTL)	33% of cost limited to Rs 25 lakh/lab for individual/private agencies through NABARD as capital investment for 10,000 samples per annum analysing capacity.	NMSA



S. No.	Type of Assistance	Criteria for Assistance/maximum limit	Scheme/Component
11.	Setting up to mini soil testing lab developed by ICAR technology	44% of the cost limited to Rs. 44,000 / lab for individual / private agencies through NABARD as a capital investment for 3000 samples per annum analysing capacity	Soil Health Card
12.	Setting up of Soil testing project at village level	75% of the cost or Rs. 3,75,000 which ever is lower	Soil Health Card
13.	Reclamation of Problem Soil	Alkaline / Saline Soil Rs. 60,000/ha Acidic Soil Rs. 15,000/ha 90:10 between Centre and State for the NE and Himalayan States 60:40 between Centre and State for other than NE and Himalayan States	RKVKY sub-scheme on Reclamation of Problem Soil (RPS).
14.	Plant Protection Chemicals	Insecticides, fungicides, weedicides, bio-pesticides, bio-agents, micronutrients, bio-fertilizers etc., @ 50 % of the cost limited to Rs. 500 per hectare.	National Food Security Mission (Oil Seed & Oil Palm)/ NFSM & BGREI

Whom to Contact?

District Agriculture Officer / District Horticulture Officer / Project Director ATMA





3

IRRIGATION-PRADHAN MANTRI KRISHI SINCHAI YOJANA & OTHER SCHEMES

What to do?

- Conserve soil and water through good Agricultural Practices.
- Harvest rain water through construction of check dams and ponds.
- Adopt crop diversification, seed production and nursery raising in water logged areas.
- Adopt drip and sprinkler irrigation system to save 30-37% water and enhance crop quality and productivity.



Pradhan Mantri Krishi Sinchai Yojana (PMKSY) : PMKSY was approved by the Cabinet Committee on Economic Affairs on 01.07.2015 with an outlay of Rs. 50,000 crore for a period of 5 years (2015-16 to 2019-20).

The vision of PMKSY is to ensure access to some means of protective irrigation to all agricultural farms in the country - to produce 'per drop more crop'. Thus bringing much desired rural prosperity. PMKSY is strategized by focusing on end-to end solution in irrigation supply chain, viz. water sources, distribution network, efficient farm level applications, extension services on new technologies & information etc. based on comprehensive planning process at district/State level.





What You Can Get?

Water Management under National Mission for Sustainable Agriculture (NMSA)

SN	Type of Assistance	Quantum of Assistance	Scheme
1	Drip Irrigation	<p>Financial assistance up to 55% for small & marginal farmers and 45% for other farmers.</p> <p>Indicative cost of drip Irrigation system ranges from Rs. 21643 to Rs. 112237 per hectare depending upon the spacing of drip lateral pipes and land size.</p> <p>Maximum permissible assistance will be restricted to 5 hectare per beneficiary.</p>	Per Drop More Crop component of Pradhan Mantri Krishi Sinchayee Yojana (PMKSY)
2	Sprinkler Irrigation (Portable, mini, micro, semi, permanent, large volume/Raingun etc.)	<p>Financial assistance up to 55% for small & marginal farmers and 45% for other farmers.</p> <p>Indicative cost of sprinkler irrigation system ranges from Rs. 19542 to Rs. 94028 per hectare depending upon the spacing of sprinkler pipes, type of sprinkler system and land size.</p> <p>Maximum permissible assistance will be restricted to 5 hectare per beneficiary.</p>	-do-
3	Water Harvesting and Management		
3.1	Water Harvesting System for individuals	<p>50% of cost (Construction cost Rs. 125/- for plane and Rs. 150/- per cu m for hilly areas) limited to Rs. 75,000/-, for plane areas and Rs. 90,000/- for hilly areas including lining.</p> <p>For smaller size of the ponds/dug wells, cost admissible on pro rata basis. Cost for non-lined ponds/tanks will be 30% less.</p>	RAD component of NMSA
3.2	Lining of Tanks/ Ponds constructed under MNREGA/WSDP etc.	50% cost of plastic/RCC lining limited to Rs. 25,000/- per pond/tank/well.	do
3.3	Water Harvesting System for communities: Construction of Community tanks/on-farm ponds/check dams/reservoirs with use of plastic/RCC lining on public land.	100% of the cost limited to Rs. 20 lakhs/unit in plain areas, Rs.25 lakhs/unit in hilly areas, for 10 ha of command area or any other smaller size on pro rata basis depending upon the command areas. Cost for non-lined ponds/tanks will be 30% less.	do
3.4	Construction of Tube Wells /Bore Wells (Shallow/ Medium)	50% of the total cost of installation limited to Rs. 25,000/- per unit.	do
3.5	Restoration/Renovation of small tanks	50% of the cost of renovation limited to Rs. 15,000/- per unit	do



SN	Type of Assistance	Quantum of Assistance	Scheme
3.6	Pipe/pre-cast Distribution System	50% of the cost of system limited to Rs. 10,000/- per hectare with assistance up to a maximum of 4 hectare per beneficiary or group.	do
3.7	Water lifting Devices(Electric, Diesel, Wind/Solar)	50% of the cost of installation limited to Rs. 15,000/- per electric/diesel unit and Rs. 50,000/- per solar/wind unit.	do
3.8	(i) Construction of Secondary Storage Structures with Poly lining, protective fence at feasible locations	50% of cost limited to Rs. 100 per cum of storage capacity. Maximum permissible assistance will be restricted to Rs. 2 lakh per beneficiary.	RAD component of NMSA
3.9	Construction of Brick masonry/Concrete Secondary Storage structures (Diggie) with protective fence etc.	50% of cost limited to Rs. 350 per cum of storage capacity. Maximum permissible assistance will be restricted to Rs. 2 lakh per beneficiary.	do

Assistance for soil management

1.	Water Carrying Pipes	@ 50% of the cost limited to Rs. 50/- per meter from HDPE pipes, Rs. 35 per meter for PVC pipes and Rs. 20/- per meter for HDPE laminated oven lay flat tubes with maximum ceiling of Rs. 15,000 per farmer/beneficiary for water carrying pipes"	National Food Security Mission (Oil Seed & Oil Palm)
2.	Drip Irrigation System for Oil Palm	As per the specification of PMKSY guidelines	-do-
3.	Plastic/RCC based water harvesting structure/farm pond/construction of community tank(100 meter x 100 meter x 3 meter) For smaller size ponds/tanks, cost will be admissible on pro rata basis, depending upon command area	Rs. 20 lakhs per unit in plane areas; and Rs. 25.00 lakhs per unit in hilly areas with 500 micron plastic lining/RCC lining, for 10-hectare command area	NHM/HMNEH Sub schemes under MIDH
4.	Water Storage in Farm Pond/ Dug well (Measuring 20 meter x 20 meter x 3 meter) by individual For smaller size ponds/dug wells, cost will be admissible on pro rata basis	Rs. 1.50 lakhs per beneficiary for plane areas & Rs. 1.80 lakhs/beneficiary for hilly areas with 300 micron plastic lining/RCC lining, for 2-hectare command area.	NHM/HMNEH Sub schemes under MIDH



Assistance for soil management

5.	Sprinkler Set for pulses, wheat & Nutri-Cereals	Rs. 10,000/ha. or 50% of the cost whichever is less.	National Food Security Mission (NFSM)
6.	(a) Creation of bore well at Oil Palm farm (b) Water Harvesting Structures/ponds	Assistance as per NMSA guideline i.e. 50% of the cost limited to Rs. 25,000/- per bore well/tube well subject to condition that these are not installed in critical, semi-critical and over exploited ground water zones. 50% of the cost (Construction cost Rs. 125/- per cubic meter for plain and Rs. 150/- per cubic meter for hilly areas) limited to Rs. 75,000/- for plane areas and Rs. 90,000/- for hilly areas including lining	National Food Security Mission (Oil Seed & Oil Palm)
7.	Construction of dug Well/ Bore well	100% of cost limited to Rs. 30,000/-	BGRI
8.	Shallow Tube Wells	100% of cost limited to Rs. 12,000/-	BGRI
9.	Pump Set (up to 10 HP) for Rice, Wheat & Pulses	Rs. 10,000/- per pump-set or 50 % of the cost whichever is less.	NFSM
10.	Mobile Rain gun for Pulses only	Rs. 15,000/- per mobile rain gun or 50 % of the cost whichever is less.	NFSM

Whom to Contact?

District Agriculture Officer / District Soil Conservation Officer / Project Director ATMA /District Horticulture Officer.





4

AGRICULTURAL MARKETING

What to do?

- Farmer can get the price information of their produce which is available on AGMARKNET website (www.agmarknet.nic.in) or through Kisan Call Centres or SMS.
- Pull SMS to get information as and when you need is also available.
- Harvesting and threshing should be done at appropriate time.
- Proper grading, packing and labeling should be done before sale, for better prices.
- Transport of produce to proper market/mandi for getting remunerative price.
- Storage of produce should be done, for sale during off season, for maximum profit.
- Avoid distress sale.
- Farmers in a group may form marketing cooperatives and FPOs for better marketing reach.
- Marketing cooperatives may open retail and wholesale outlets.
- Farmers may also operate cold storages and warehouses to store the produce in order to avoid distress sale.

AMI sub-scheme of ISAM

To develop Agricultural Marketing Infrastructure including Storage infrastructure, Ministry of Agriculture & Farmers Welfare is implementing capital investment subsidy sub-scheme "Agricultural Marketing Infrastructure (AMI)" of Integrated Scheme for Agricultural Marketing (ISAM). The erstwhile two schemes viz. (i) Grameen Bhandaran Yojana (GBY) implemented since 01.04.2001, and (ii) Scheme for Strengthening/Development of Agricultural Marketing Infrastructure, Grading & Standardization (AMIGS) implemented since 20.10.2004 have been subsumed into one scheme known as Agricultural Marketing Infrastructure (AMI) w.e.f. 01.04.2014. The AMI sub-scheme of ISAM was sanctioned for the XII plan Period (2012-17). At present the scheme is not available for any category of beneficiaries.

Further, to create additional Agricultural Marketing infrastructure projects including storage projects across the country, the Government has approved relaunch of AMI sub-scheme for the period coterminous with 14th Finance Commission.

Whom to Contact?

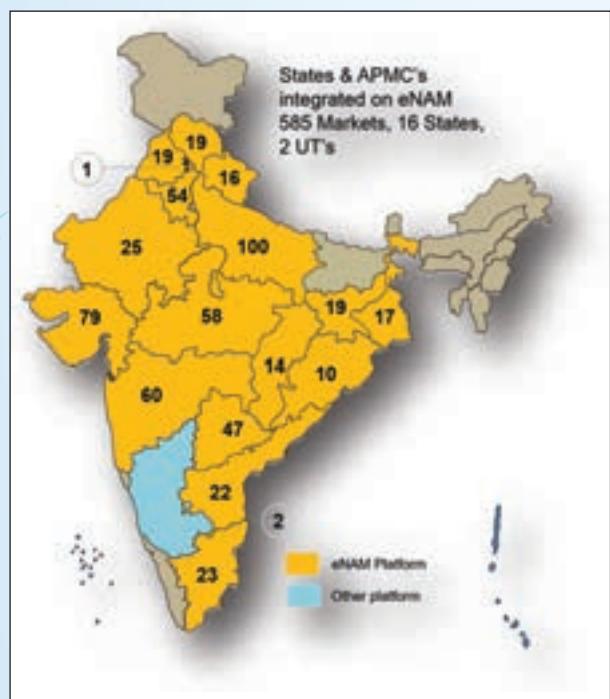
Dy. Agricultural Marketing Advisor (AMI), Directorate of Marketing & Inspection (DMI), CGO Complex, NH-IV, Faridabad (Haryana) Tel.: 0129-2434348; E-mail: rgs.agri@nic.in



National Agriculture Market (e-NAM)

With the objective to usher reforms in the agri- marketing sector and promote online marketing of agri commodities across the country and to provide maximum benefit to the farmers, the Government has approved a scheme to implement National Agriculture Market (NAM) on 01.07.2015. Under the scheme, a web based platform has been deployed across 585 regulated markets to promote online trading, digitalization of entire functioning of markets outline gate entry, lot making, bidding , generation of e-sale agreement and e- payment etc., remove information asymmetry, increase transparency in the transaction process and enhance accessibility to markets across the country . This would entail real benefits to the farmers. NAM pilot was launched on 14.04.2016 in 21 mandis of 8 states.

Mandis integrated in eNAM as on date (spread across 16 states and 2 UT's)



State	Integrated Mandis
Andhra Pradesh	22
Chandigarh	1
Chhattisgarh	14
Gujarat	79
Haryana	54
Himachal Pradesh	19
Jharkhand	19
Madhya Pradesh	58
Maharashtra	60
Odisha	10
Puducherry	2
Punjab	19
Rajasthan	25
Tamil Nadu	23
Telangana	47
Uttar Pradesh	100
Uttarakhand	16
West Bengal	17
Total	585

For further details please contact Small Farmers Agribusiness Consortium (SFAC), New Delhi {E-mail ID: nam@sfac.in}. Details of the scheme are also available at www.enam.gov.in.



Farmer Producer Organization (FPO)

How farmers can join FPO

A group of farmers, who are actually involved in agricultural production and have a common interest in pursuing agribusiness activities can form a group in a village or a cluster of villages and apply for registration of a Farmer Producer Company under the relevant Companies Act.

What benefits farmers will get by forming FPO

- (i) As a cohesive group, farmers as members of the FPO will have better bargaining power which can be leveraged to buy or sell commodities at competitive prices.
- (ii) Aggregation of agricultural produce for better marketing opportunities. Trading in bulk saves farmers on associated expenditures like processing, storage, transportation etc.
- (iii) FPOs may take up activities for value addition like sorting/grading, packaging, basic processing etc. which fetch a higher price for the farmers' produce.
- (iv) FPO formation facilitates utilization of pre and post harvest infrastructure like green houses, mechanized farming, cold storage, agri-processing etc.
- (v) FPO can expand its business activities by opening of input stores, custom centres etc. through which its member farmers can get subsidised inputs and services.

Contact details for applying to FPOs

Generally, FPOs are promoted under various Central Sector Schemes operated in the States by the Departments of Agriculture, Cooperation & Farmers Welfare. Farmers interested in forming an FPO may contact the Director of the concerned Department/Small Farmer Agri-business Consortium for further information (Email ID : sfac@nic.in).

SFAC is promoting 145 FPOs in 11 states of the country for value development of pulses and millets under NFSM. As per criteria of SFAC, an amount of Rs. 62.75 lakhs is provided per FPO for formulation, registration, training, capacity building, establishment of mini dal-mill & support to handling & marketing.





5

ORGANIC FARMING

PARAMPARAGAT KRISHI VIKAS YOJNA (PKVY)



Paramparagat Krishi Vikas Yojna (PKVY) : Guidelines

Paramparagat Krishi Vikas Yojna (PKVY) "Paramparagat Krishi Vikas Yojana (PKVY)" a sub- component of Soil Health Management (SHM) scheme under National Mission of Sustainable Agriculture (NMSA) aims at development of models of excellence in organic farming through a mix of traditional wisdom and modern science in value chain mode to install sustainability, ensure long term soil fertility buildup, resource conservation and to offer safe and healthy food grown through organic practices without the use of agro- chemicals. PKVY also aims at empowering farmers through institutional development through clusters for not only in farm practices management, input production, quality assurance but also in value addition and direct marketing through innovative means. Participatory Guarantee System under PGS-India programme will be the key approach for quality assurance under the PKVY. The revised guidelines of PKVY is available in website: www.agricoop.nic.in

Organic Area Selection Criteria a) organic farming under PKVY will be promoted preferably in hilly, tribal and rain-fed areas where utilization of chemical fertilizers and pesticides is less and the area has good accessibility for developing market linkages. (b) Cluster approach will be adopted in large patches of up to 1000 ha area. (c) Cluster chosen shall be in contiguous patch, as far as possible, may be extending over few adjacent villages (but not over large areas in sparsely distributed villages). (d) Formation of Gram Panchayat based Farmer Producer Organizations will be encouraged or already existing FPOs will be promoted under the scheme (e) The ceiling of subsidy a farmer is eligible will be for a maximum of one hectare. In a cluster, there should be at least 65% of small and marginal farmers. Women farmers/ SHGs should be given preference

What to do?

- Promote Paramparagat Krishi Vikas Yojana (PKVY) for different crop/cropping system suitable to agroclimatic conditions
- In organic farming use more bio-chemicals, bio-pesticides and bio-fertilizers.



What You Can Get?

S. No.	Component	Pattern of assistance/ha			Total financial assistance per ha for 3 years	Total financial assistance per group of 20 ha for 3 year	Total financial assistance per cluster of 1000 ha each Rs in lakh
		1 st year	2 nd year	3 rd year			
A. Programme implementation through Service providers/states							
1.	Cluster formation and Capacity building including exposure visits and trainings of field functionaries	1000	500	500	2000	40,000	20.00
2.	Deployment of manpower and management cost for implementation of programme including data management and uploading	1000	1000	1000	3000	60000	30.00
B. PGS Certification through Regional Councils/ Zonal councils							
3.	Service charges to RCs for physical verification, certification endorsement and certificate issue	500	500	500	1500	30,000	15.00
4.	Residue analysis through NCOF/RCOFs / state Departments in NABL accredited laboratories @ 2 samples/group from 2nd year	0	100	100	200	4000	2.00
C. Incentive to farmers through DBT							
5.	Incentive to farmers for organic conversion, inputs, on-farm input infrastructure to be provided as DBT for direct farmers account	12500	10000	10000	32500	650000	325.00



S. No.	Component	Pattern of assistance/ha			Total financial assistance per ha for 3 years	Total financial assistance per group of 20 ha for 3 year	Total financial assistance per cluster of 1000 ha each Rs in lakh
		1 st year	2 nd year	3 rd year			
D. Value addition, marketing and publicity							
6.	Support for marketing, common packaging, branding, space rent, transport etc		500	1000	1500	30000	15.00
7.	Value addition infrastructure creation through FPC/FPO case to case basis*	0	1000	1000	2000	40000	20.00
8.	Brand building, trade fairs, exhibitions, local publicity, organic fairs/ melas, local marketing initiatives, participation in national trade fairs	2000	2000	2000	6000	120000	60.00
9.	Consultation /Services with lead Farmers (Venue and dates to be decided by INM division DAC&FW)	300	500	500	1300	26000	13.00
	Total	17300	16100	16600	50,000	10,00,000	500.00

Note:- Rs 487.00 lakh per cluster of 1000 ha each

* Proposals regarding Value addition infrastructure creation through FPC/FPO would be considered separately on case to case basis.

Whom to Contact?

- **At the state level :** Director (Horticulture/ Agriculture) of States.
- **At District level :** District Horticulture Officers, District Agricultural Officers/Project Director of States.



MISSION ORGANIC VALUE CHAIN DEVELOPMENT FOR NORTH EASTERN REGION



GUIDELINES	
Mission Organic Value Chain Development for North Eastern Region	Mission Goals
<p>Realizing the potential of organic farming in the North Eastern Region of the country Ministry of Agriculture and Farmer Welfare has launched a Central Sector Scheme entitled "Mission Organic Value Chain Development for North Eastern Region" for implementation in the states of Arunachal Pradesh, Assam, Manipur, Meghalaya, Mizoram, Nagaland, Sikkim and Tripura, during the 12th plan period. The scheme aims at development of certified organic production in a value chain mode to link growers with consumers and to support the development of entire value chain starting from inputs, seeds, certification, to the creation of facilities for collection, aggregation, processing marketing and brand building initiative.</p> <p>The revised guidelines of MOVCDNER is available in website: www.agricoop.nic.in</p>	<ol style="list-style-type: none">1. To create at least one to two replicable end-to-end organic value chain models in each of the state with the integration of growers, handlers, processors, and market facilitation agencies.2. To empower 30-50 thousand farmers of northeastern region through the creation of about 100 farmer producer companies and equip such companies with full value chain under its ownership.3. To convert subsistence farming to commercial organic farming with end-to-end facilities.4. To make Northeastern states as major suppliers of organic commodities for national and international markets.5. To improve production system to ensure higher productivity with better profitability.6. To enable states to evolve their own brand.



Mission Organic Value Chain Development for North Eastern Region

Salient Features

- Realising the potential of organic farming in North Eastern Region of the country Ministry of Agriculture and Farmers Welfare has launched this Central Sector Scheme.
- Department promotes organic farming in North Eastern States
- North Eastern States of India will develop as organic hub of India.
- Farmers Interest Group (FIG)/ Farmers Producer Companies (FPCs) will be equipped with collection, aggregation, post harvest process and linking with market facilities.
- 50,000 farmers will be benefitted through value chain production, processing, marketing and value chain support agencies.
- To enable NE Region to evolve their own brand of organic produce.
- Extremely rich Bio-diversity, valued options for wide range of crops to explore.

Essential scheme components for value chain development with the final aim to develop commercial organic farming clusters with end-to-end facilitates from production to processing, marketing and finally delivering to the customer.

What You Can Get?

S. No.	Component	Rate (Rs.)	First Year		Second Year		Third Year		Total	
1		1000	Physical	Financial	Physical	Financial	Physical	Financial	Physical	Financial
A. A. Value chain Production										
A1. Development of Organic Production Clusters										
A.1.1.	Clusters development and formation of Farmer producer Companies, as per SFAC norms. For 100 FPCs each comprising of 500 farmers @ Rs. 20.375 lakh/FPC	4075/- per farmer.	40	815.00	40	815.00	20	407.50	100	2037.50
A.1.2	Assistance for on-farm input production infrastructure (@ Rs 3750/ha) and off-farm inputs (@ Rs 3750/ha)	7500/ ha x2 =15000/ha	25000 ha	3750.00	25000 ha	3750.00	0	0	50000 ha	7500.00



S. No.	Component	Rate (Rs.)	First Year		Second Year		Third Year		Total	
A.1.3	Assistance for quality seed and planting material (50% of maximum 35000/ha limited to the actual cost as per crop)	17500 per ha	20000 ha	3500.00	20000 ha	3500.00	10000	1750	50000 ha	8750.00
	A.2 Support for extension services, input facilitation, training, hand holding and certification		0	0	0	0	0	0	0	0
A.2.1	Assistance for setting up of input delivery, distribution and agri-machinery custom hiring centre through state lead agencies	10 lakh/ FPO	20	200-00	40	400-00	40	400-00	100	1000-00
A.2.2	Support and extension services for training, hand holding and certification at production stage			0		0		0		0
A.2.3	Training, hand holding, ICS management, documentation and certification of crop production through service providers (As per MIDH)	10,000/- per ha	10000 ha	1000.00	22000 ha	2200.00	18000 ha	1800.00	50000 ha	5000.00
B. Value/Chain processing			0	0	0	0	0	0	0	0
B1. Value Chain Post harvest - Setting up of collection, aggregation, grading facilities										
B.1.1	Setting up of functional infrastructure for collection, aggregation, grading units and NE organic Bazaar @ Rs. 15 lakh (75% subsidy)	11.25 lakh	60	675.00	60	675.00	55	618.75	175 No	1968.75



S. No.	Component	Rate (Rs.)	First Year		Second Year		Third Year		Total	
B2. Setting up of value addition and processing units including packaging, storage and transportation										
B.2.1	Financial assistance for setting up of integrated processing units with TFO of Rs. 800 lakh or more limited to 75% to FPCs and 50% to private as credit linked back ended subsidy	600.00 lakh	1	600.00	1	600.00	8	4800.00	10 No.	6000.00
B.3 Value chain packaging, storage and transportation										
B.3.1	Integrated pack house 75% subsidy to FPCs on TFO of 50 lakh or more and 50% to private limited to 37.50 lakh	37.50 lakh	4	150.00	8 No	300.00	8 No	300.00	20	750.00
B.3.2	Transportation/ 4 wheeler up to TFO of 12 lakh (50%)	6.00 lakh/ FPC. Need based	5	30.00	10	60.00	10	60.00	25	150.00
B.3.3.1	Refrigerated transport vehicle up to TFO of 25 lakh (75% subsidy to FPC and 50% to private)	18.75 lakh	5	93.75	5	93.75	6	112.5	16	300.00
B.3.3.2	Pre-cooling/ cold stores/ ripening chambers. FPOs	18.75 lakh	4	75.00	5	93.75	7	131.25	16	300.00
C. Value chain Marketing – Branding, labelling, certification, quality control, retail outlets, awareness and publicity through lead agencies			0	0	0	0	0	0	0	0



S. No.	Component	Rate (Rs.)	First Year		Second Year		Third Year		Total	
C.1	Branding, labelling, packaging, publicity and certification of processing units etc (LS)	As per proposal, Need to be ascertained	0	400.00	LS	450.00	LS	250.00	8	1100.00
C.2	Seminars/ conferences, workshops, Buyer-seller meets, Auction meetings, festivals.	As per proposal, Need to be ascertained	0	100.00	LS	100.00	LS	200.00	8	400.00
C.3	Consumer awareness Information dissemination through publicity, printed literature films and local advertisements	As per proposal, Need to be ascertained	0	200.00	LS	100.00	LS	100.00	LS	400.00
C.4	Hiring of space in prime markets	As per project proposal	-	200.00	-	200.00	-	200.00	8 states	600.00
D.	Value Chain Support Agencies		0	0	0	0	0	0	0	0
D1.	Setting up of Lead agency/Organic Commodity Board/ Organic Mission for scheme implementation and market facilitation. To be set up at state level		0	0	0	0	0	0	0	0
D.1.1	Staff, Manpower, Travel and contingencies, Institutional strengthening and hire/purchase of machinery and equipments	5% of total scheme budget	8 No	400.00	8 No	800.00	8 No.	800.00	8 No	2000.00



S. No.	Component	Rate (Rs.)	First Year		Second Year		Third Year		Total	
D.1.2	Setting up of organic certification bodies. One time assistance will be provided for hiring consultants for preparation of operating manuals, training and exposure of manpower and facilitating institutional set up. Cost of manpower to be borne by the state.			200.00	-	200.00	-	100.00	-	500.00
D2.	Project Management Unit at National Level *		0	0	0	0	0	0	0	0
D.2.1	Technical support group at national level for hiring, professionals/experts/staff/ Advisors/ Travel etc	0.5% of total budget	0	11.25	0	88.75		100.00		200.00
D.2.2	Any other innovative requirement not covered under the scheme and also can not be met from other schemes including information and knowledge system having traceability platform at Mission Headquarter			100.00		573.75		370.00		1043.75
	Grand total			12500		15000		12500		40000

Whom to Contact?

At the state level : Director (Horticulture/ Agriculture) of North Eastern States.

At District level : District Horticulture Officers, District Agricultural Officers/Project Director of North Eastern States.



6

HORTICULTURE (CULTIVATION OF FRUITS, VEGETABLES AND FLOWERS FOR HIGHER INCOME)

What to do?

- Grow Horticultural Crops for higher income from lesser area.
- For healthy crop use high quality planting material.
- To keep fruits and vegetables fresh for longer period, use cold storage facility/cool houses.
- Earn maximum profit by adopting correct method of harvesting, cleaning, grading, processing and packaging.
- Produce off-season vegetables and flowers in poly-houses, low tunnels.



What You Can Get?

S. No.	Type of Assistance	Criteria for Assistance/ maximum limit		Scheme / Component
		Subsidy	Maximum Subsidy per Unit Area	
A : Assistance under Horticulture				
1.	Vegetable Seed Production (Maximum 5 ha / beneficiary)			
	a) Open pollinated crops	(a) For public sector 100%, for private sector 35% in general area, 50% in NE & Himalayan States, TSP areas, A&N and Lakshadweep Islands limited to 5 ha. Output target of seed for each crop will be fixed by the individual state.	a) Rs. 35,000/- per ha for open pollinated crops.	Sub Scheme of NHM & HMNEH under MIDH
	b) Hybrid seeds	b) For public sector 100%, for private sector 35% in general area and 50% in NE & Himalayan States, TSP areas, A&N and Lakshadweep Islands limited to 5 ha. Output target of seed for each crop will be fixed by the individual states for each beneficiary, before releasing funds.	b) Rs. 1.50 lakh /- per ha.	-do-



S. No.	Type of Assistance	Criteria for Assistance/ maximum limit		Scheme / Component
		Subsidy	Maximum Subsidy per Unit Area	
2.	Hi-tech Nursery (4 ha/unit)	100% to public sector limited to Rs. 100 lakh/unit and in case of private sector, 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 prorate 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.	Rs. 25.00 lakh per ha	-do-
3.	Small Nursery (1ha unit)	100% to public sector and in case of private sector, 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 fruits plants / tree spices/ aromatic trees/plantation crops per year, duly certified for its quality.	Rs. 15.00 lakh per ha	-do-
4	Establishment of new gardens (Area expansion- for a maximum area of 4 ha per beneficiary)			
	I. Fruits			
	(a) Cost intensive crops			
	(i) Fruit crops like Grape, Kiwi, Passion fruit etc. (with integration of drip etc.)	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, trellies and INM/IPM, (3 installments of 60:20:20 subject to survival rate of 75% in 2nd year and 90% in 3rd year). For NE & Himalayan States, TSP areas, A&N and Lakshadweep Islands, assistance will be @ 50% of costs.	Rs. 4.00 lakh / ha	-do-





S. No.	Type of Assistance	Criteria for Assistance/ maximum limit		Scheme / Component
		Subsidy	Maximum Subsidy per Unit Area	
	(ii) Fruits (without Drip irrigation)	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 of 60:20:20 subject to survival rate of 75% in 2nd year and 90% in 3rd year). For NE & Himalayan States, TSP areas, A&N and Lakshadweep Islands, assistance will be @ 50% of cost.	Rs. 1.25 lakh / ha.	-do-
b) Strawberry				
	i) Integrated package with drip irrigation & mulching	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.	Rs.2.80 lakh/ha	-do-
	ii) Without Drip irrigation integration	Maximum of Rs. 0.50 lakh/ha (40% of cost) for meeting the expenditure on planting material and cost of INM/IPM in one installment. For (i) & (ii) above, in the case of NE and Himalayan States, TSP areas, Andaman & Nicobar and Lakshadweep Islands, assistance will be @ 50% of cost.	Rs. 1.25 lakh/ha	-do-
c) Banana (sucker)				
	i) Integrated package with drip irrigation.	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 two installments (75:25).	Rs. 2.00 lakh/ha	-do-
	ii) Without Drip irrigation integration	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). For (i) & (ii) above, in the case of NE and Himalayan States, TSP areas, Andaman & Nicobar and Lakshadweep Islands, assistance will be @ 50% of cost in 2 installments.	Rs.87,500/ha	-do-



S. No.	Type of Assistance	Criteria for Assistance/ maximum limit		Scheme / Component
		Subsidy	Maximum Subsidy per Unit Area	
d) Pineapple (sucker)				
	i) Integrated package with drip irrigation.	Maximum of Rs. 1.20 lakh/ha (40% of the cost) for meeting expenditure on planting material, drip irrigation and cost of material for INM/IPM, in two installments.	Rs. 3.00 lakh/ha	-do-
	ii) Without integration	Maximum of Rs. 0.35lakh/ha (40% of cost) for meeting the expenditure on planting material and cost of INM/IPM in two installments (75:25). For (i) and (ii) above, in the case of NE and Himalayan States, TSP areas, Andaman & Nicobar and Lakshadweep Islands, assistance will be @ 50% of cost in 2 installments (75:25).	Rs.87,500/ha	-do-
e) Banana (Tissue-Culture)				
	i) Integrated package with drip irrigation.	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).	Rs. 3.00 lakh/ha	-do-
	ii) Without integration	Max. of Rs. 0.50 lakh per ha, (40% of cost) for meeting the expenditure on planting material and cost of INM/IPM in two installments (75:25). For (i) and (ii) above, in the case of NE and Himalayan States, TSP areas, Andaman & Nicobar and Lakshadweep Islands, assistance will be @ 50% of cost in two installments (75:25).	Rs. 1.25 lakh/ha.	-do-
f) Pineapple (Tissue-Culture)				
	i) Integrated package with drip irrigation.	Maximum of Rs. 2.20 lakh/ha (40 % of cost) for meeting the expenditure on planting material and cost of material for drip system, INM/IPM etc., in two installments (75:25).	Rs. 5.50 lakh /ha.	-do-
	ii) Without integration	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). For (i) and (ii) above, in the case of NE and Himalayan States, TSP areas, Andaman & Nicobar and Lakshadweep Islands, assistance will be @ 50% of cost in two installments (75:25).	Rs. 1.25 lakh/ha.	-do-



S. No.	Type of Assistance	Criteria for Assistance/ maximum limit		Scheme / Component
		Subsidy	Maximum Subsidy per Unit Area	
g) Papaya				
	i) Integrated package with drip irrigation.	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 two installments (75:25).	Rs. 2.00 lakh/ha.	-do-
	ii) Without integration	Maximum of Rs. 0.30 lakh/ha (50 % of cost) for meeting the expenditure on planting material and cost of INM/IPM in two installments (72:25).. For (i) and (ii) above, in the case of NE and Himalayan States, TSP areas, Andaman & Nicobar and Lakshadweep Islands, assistance will be @ 50% of cost in two installments (75:25).	Rs. 60,000/ha	-do-
h) Ultra high density (Meadow orchard)				
	i) Integrated package with drip irrigation	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).	Rs. 2.00 lakh/ha.	-do-
	ii) Without integration	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.. For (i) and (ii) above, in the case of NE and Himalayan States, TSP areas, Andaman & Nicobar and Lakshadweep Islands, assistance will be @ 50% of cost in three installments.	Rs. 1.25 lakh/ha	-do-
i) High density planting (mango, guava, litchi, pomegranate, apple, citrus etc).				
	i) Integrated package with drip irrigation	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 three installments of 60:20:20 subject to survival rate of 75% in 2nd year and 90% in 3rd year).	Rs. 1.50 lakh /ha	-do-



S. No.	Type of Assistance	Criteria for Assistance/ maximum limit		Scheme / Component
		Subsidy	Maximum Subsidy per Unit Area	
	ii) Without Integration.	Maximum of Rs. 0.40 lakh/ha (40% of the cost) for meeting the expenditure on planting material and cost of INM/IPM in three installments (60:20:20). For (i) and (ii) above, in the case of NE and Himalayan States, TSP areas, Andaman & Nicobar and Lakshadweep Islands, assistance will be @ 50% of cost in three installments of 60:20:20 subject to survival rate of 75% in 2nd year and 90% in 3rd year)	Rs. 1.00 lakh/ha.	-do-
(b) Fruit crops other than cost intensive				
	a) Fruit crops other than cost intensive crops using normal spacing			
	i) Integrated package with drip irrigation	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 three 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.	Rs. 1.00 lakh/ha	-do-
	ii) Without Integration	Maximum of Rs. 0.30 lakh/ha (50 % of cost) for meeting the expenditure on planting material and cost of INM/IPM in three installments, in all States. For (i) and (ii) above, in the case of NE and Himalayan States, TSP areas, Andaman & Nicobar and Lakshadweep Islands, assistance will be @ 50% of cost in three installments.	Rs. 60,000/ha	-do-
5.	Spices (For a maximum area of 4 ha / beneficiary)			
	(i) Seed Spices and Rhizomatic Spices	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.	Rs. 30,000/- per ha	-do-



S. No.	Type of Assistance	Criteria for Assistance/ maximum limit		Scheme / Component
		Subsidy	Maximum Subsidy per Unit Area	
	(ii) Perennial Spices (black pepper, cinnamon, clove and nutmeg)	Maximum of Rs. 20,000/- per ha (40% of cost) for meeting the expenditure on planting material and cost of material for INM/IPM etc. For (i) and (ii) above, in the case of NE & Himalayan States, TSP areas, A&N and Lakshadweep Islands, assistance will be @ 50% of cost.	Rs. 50,000/- per ha	-do-
6.	Flowers (For maximum of 2 ha / beneficiary)			
	i) Cut Flowers	40% of the cost for small and marginal farmers and 25% of the cost to other category farmers in general areas, 50% of cost in NE & HS, TSP areas and A&N & Lakshadweep Islands.	i) Rs. 1.00lakh/- per ha	-do-
	ii) Bulbous Flowers		ii) Rs. 1.5 lakh/- per ha	-do-
	iii) Loose Flowers		iii) Rs. 40,000/ha	-do-
7.	Aromatic Plants (For a maximum area of 4 hectares/beneficiary)			
	i) Cost intensive aromatic plants (patchouli, geranium, rosemary, etc.)	i) 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.	i) Rs. 1,00,000/- per ha	-do-
	ii) Other aromatic plants	ii) 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. For (i) and (ii) above, in the case of NE & Himalayan States, TSP areas, A&N and Lakshadweep Islands, assistance will be @ 50% of cost.	ii) Rs. 40,000/- per ha	-do-
8.	Plantation Crops (For a maximum area of 4 hectares/beneficiary)			
	i) Cashew and Cocoa			
	a) Integrated package with drip irrigation	Rs. 0.40 lakh per ha (40% of cost) for meeting the expenditure on planting material and cost of material for drip system, INM/IPM etc. in three installments of 60:20:20 subject to survival rate of 50% in 2nd year and 90% in 3rd year.	Rs. 1.00 lakh/- per ha.	-do-



S. No.	Type of Assistance	Criteria for Assistance/ maximum limit		Scheme / Component
		Subsidy	Maximum Subsidy per Unit Area	
	b) Without integration	Rs. 0.20 lakh per ha (40% of cost) for meeting the expenditure on planting material and cost of material for INM/IPM etc. in three installments of 60:20:20 subject to survival for a maximum. For (a) and (b) above, in the case of NE & Himalayan States, TSP areas, A&N and Lakshadweep Islands, assistance will be @ 50% of cost in 3 installments.	Rs. 50,000/- per ha.	-do-
9.	Mushroom			-do-
	i) Production unit	100% of cost to public sector and 40% of cost for private sector, for meeting the expenditure on infrastructure, as credit linked back ended subsidy.	Rs. 20 lakh/unit	-do-
	ii) Spawn making unit	100% of cost to public sector and 40% of cost for private sector, for meeting the expenditure on infrastructure, as credit linked back ended subsidy.	Rs. 15 lakh/unit	-do-
	iii) Compost making unit	100% of cost to public sector and 40% of cost for private sector, for meeting the expenditure on infrastructure, as credit linked back ended subsidy.	Rs. 20 lakh/unit	-do-
10.	Rejuvenation / replacement of senile senilation, canopy management	50% of total cost subject to maximum of Rs. 20,000/ha (Maximum 2 ha per beneficiary)	Rs. 40,000/- per ha.	-do-





S. No.	Type of Assistance	Criteria for Assistance/ maximum limit		Scheme / Component
		Subsidy	Maximum Subsidy per Unit Area	
11.	Creation of Water resources			
	i) Community tanks / on farm ponds / on farm water reservoirs with use of plastic / RCC lining	100% of cost to irrigate 10 ha of command area, with pond size of 100mx100mx03m or any other smaller size on prorata basis depending 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.	Rs. 20.00 lakh in plain areas and Rs. 25 lakh/unit for Hilly areas.	-do-
	ii) Water harvesting system for individuals- for storage of water in 20mx20mx3m ponds/tube wells/ dug wells @ Rs. 125/- cum.	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 ponds / dug wells, cost will be admissible on pro rata basis depending upon the command area. Maintenance will be ensured by the beneficiary.	Rs. 1.50 lakh/unit in plain areas and Rs. 1.80 lakh / unit in hilly areas.	-do-





S. No.	Type of Assistance	Criteria for Assistance/ maximum limit		Scheme / Component		
		Subsidy	Maximum Subsidy per Unit Area			
12. Protected Cultivation						
1. Green House structure						
	(a) Fan & Pad System	50% of cost for a maximum area of 4000 sq. m. per beneficiary.	Rs.1650/ Sq.m (upto area 500 Sq. m) Rs. 1465/Sq. (>500 Sq. m upto 1008 Sq.m) Rs. 1420/Sq.m (>1008 Sq. m up to 2080 Sq. m) Rs. 1400/Sq. m (>2080 Sq. m upto 4000 Sq. m). Above rates will be 15% higher for hilly areas.	-do-		
				-do-		
	(b) Naturally Ventilated System					
	(i) Tubular structure	50% of cost limited to 4000 sq. m. per beneficiary.	Rs. 1060/Sq. m (up to area 500 Sq. m) Rs. 935/Sq.m (>500 Sq. m upto 1008 Sq. m) Rs. 890/Sq. m (>1008 Sq. m upto 2080 Sq. m) Rs. 844/Sq. m (>2080 Sq. m up to 4000 Sq. m). Above rate will be 15% higher for hilly areas.	-do-		
	ii) Wooden structure	50% of cost limited to 20 units per beneficiary (each unit not to exceed 200 sq.m.).	Rs. 540/Sq. m. and Rs. 621/Sq. m for hilly areas.	-do-		
	iii) Bamboo structure	50% of the cost limited to 20 units per beneficiary (each unit should not exceed 200 sq.m.)	Rs. 450/Sq. m and Rs. 518/Sq. m for hilly areas	-do-		



S. No.	Type of Assistance	Criteria for Assistance/ maximum limit		Scheme / Component
		Subsidy	Maximum Subsidy per Unit Area	
2. Shade Net House:				
	(a) Tubular structure	50% of cost limited to 4000 sq.mt. per beneficiary.	Rs. 710 Sqm and Rs. 816/ Sqm for hilly areas	-do-
	(b) Wooden Structure	50% of cost limited to 20 units per beneficiary (each unit not exceed 200 sq. m.)	Rs. 492/ Sq.m and Rs. 566/ Sq. m for hilly areas.	-do-
	(c) Bamboo Structure	50% of cost limited to 20 units per beneficiary (each unit not to exceed 200 sq. m).	Rs. 360/ Sq.m and Rs. 414/ Sq.m. for hilly areas.	-do-
	3. Plastic Tunnel	50% of cost limited 1000 sq. m. per beneficiary.	Rs. 60/- per sq.m and Rs. 75 per sq. m. for hilly areas.	-do-
	4. Walk in tunnels	50% of cost limited to 5 units per beneficiary (each unit not to exceed 800 sq. m.).	Rs. 600/ sqm	-do-
	5. Anti Bird/ Anti Hail Nets	50% of cost limited to 5000 sq. m. per beneficiary.	Rs. 35/ Sq.m	-do-
	6. Cost of planting material & cultivation of high value vegetables grown in poly house	50% of cost limited to 4000 sq. m. per beneficiary.	Rs. 140/ Sq.m	-do-
	7. Cost of planting material & cultivation of Orchid & Anthurium under poly house / shade net house.	50% of cost limited to 4000 sq. m. per beneficiary.	Rs. 700/ Sq.m	-do-



S. No.	Type of Assistance	Criteria for Assistance/ maximum limit		Scheme / Component
		Subsidy	Maximum Subsidy per Unit Area	
	8. Cost of planting material & cultivation of Carnation & Gerbera under poly house / shade net house.	50% of cost limited to 4000 sq. m. per beneficiary.	Rs. 610/ Sq.m	-do-
	9. Cost of planting material & cultivation of Rose and lilum under poly house / shade net house	50% of cost limited to 4000 sq. m per beneficiary.	Rs. 426/ Sq.m	-do-
	10. Plastic Mulching	50% of the total cost limited to 2 ha per beneficiary.	Rs. 32,000/ ha and Rs. 36,800/ha for hilly areas.	-do-
13.	Promotion of Integrated Nutrient Management (INM) Integrated Pest Management (IPM)			
	i) Promotion of IPM/INM	30% of cost subject to a maximum of Rs. 1200/ha limited to 4.00 ha/beneficiary.	Rs. 4000/ha	-do-
	ii) Disease forecasting unit (PSUs)	100% of costs.	Rs. 6.00 lakh/unit	-do-
	iii) Bio control lab	100% to Public sector and 50% to private sector.	Rs. 90.00 lakh / unit	-do-
	iv) Plant Health Clinics	100% to Public sector and 50% to private sector.	Rs. 25.00 lakh / unit	-do-
	v) Leaf / Tissue analysis labs	100% to Public sector and 50% to private sector.	Rs. 25.00 lakh/ unit	-do-
14.	Organic Farming			
	i) Adoption of organic farming	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.	Rs. 20,000/ha	-do-
	ii) Organic Certification	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.	Project based	-do-



S. No.	Type of Assistance	Criteria for Assistance/ maximum limit		Scheme / Component
		Subsidy	Maximum Subsidy per Unit Area	
	iii) Vermi compost Units / organic input production)	50% of cost conforming to the size of the unit of 30'x8'x2.5' dimension of permanent structure to be administered on prorata 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 prorate basis.	Rs. 100,000/ unit for permanent structure and Rs. 16,000/- unit for HDPE vermibed.	-do-
15.	1. Integrated Post Harvest Management			
	(i) Pack house	50% of the capital cost.	Rs. 4.00 lakh/unit with size of 9Mx6M	Sub Schemes of NHM, HMNEH & NHB under MIDH
	(ii) Integrated pack house with facilities for conveyer belt, sorting, grading units, washing, drying and weighing.	Credit linked back-ended subsidy @ 35% of the cost of project in general areas and 50% of cost in case Hilly & Scheduled areas for individual entrepreneurs.	Rs. 50.00 lakh per unit with size of 9Mx18M	-do-
	(iii) Pre-cooling unit	Credit linked back-ended subsidy @ 35% of the cost of project in general areas and 50% of cost in case Hilly & Scheduled areas for individual entrepreneurs.	Rs. 25.00 lakh / unit with capacity of 6 MT	-do-
	(iv) Cold room (staging)	Credit linked back-ended subsidy @ 35% of the cost of project in general areas and 50% of cost in case Hilly & Scheduled areas per beneficiary.	Rs. 15.00 lakh/ unit of 30 MT capacity	-do-
	(v) Mobile pre-cooling unit	Credit linked back-ended subsidy @ 35% of the cost of project in general areas and 50% of cost in case Hilly & Scheduled areas per beneficiary.	Rs. 25.00 lakh	-do-



S. No.	Type of Assistance	Criteria for Assistance/ maximum limit		Scheme / Component
		Subsidy	Maximum Subsidy per Unit Area	
2. Cold Storage (Construction, Expansion and Modernisation)				
	i)Cold storage units Type 1 – basic mezzanine structure with large chamber (of >250 MT) type with single temperature zone	Credit linked back-ended subsidy @ 35% of the cost of project in general areas and 50% of cost in case Hilly & Scheduled areas per beneficiary.	Rs. 8,000/MT, (max 5,000 MT capacity)	-do-
	ii)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.	Credit linked back-ended subsidy @ 35% of the cost of project in general areas and 50% of cost in case Hilly & Scheduled per beneficiary.	Rs. 10,000/MT, (max 5,000 MT capacity)	-do-
	iii) Cold Storage Units Type 2 with add on technology for Controlled Atmosphere	Credit linked back-ended subsidy @ 35% of the cost of project in general areas and 50% of cost in case Hilly & Scheduled areas per beneficiary.	Additional Rs. 10,000/MT for add on components of controlled atmosphere technology.	-do-
	iv)Technology induction and modernization of cold-chain	Credit linked back-ended subsidy @ 35% of the cost of project in general areas and 50% of cost in case Hilly & Scheduled areas per beneficiary.	Max Rs250.00 lakh for modernization of PLC equipment, packaging lines, dock levelers, advanced graders, alternate technologies, stacking systems, modernization of insulation and refrigeration, etc.	-do-
	v) Refrigerated Transport vehicles	Credit linked back-ended subsidy @ 35% of the cost of project in general areas and 50% of cost in case Hilly & Scheduled areas per beneficiary.	Rs. 26 lakh for 9 MT (NHM & HMNEH) and prorata basis for lesser capacity but not below 4 MT.	-do-



S. No.	Type of Assistance	Criteria for Assistance/ maximum limit		Scheme / Component
		Subsidy	Maximum Subsidy per Unit Area	
	vi) Primary / Mobile/ Minimal processing unit	Credit linked back-ended subsidy @ 40% of the capital cost of project in general areas and 55% in case of Hilly & Scheduled areas.	Rs 25.00 lakh/unit	-do-
	vii) Ripening chamber	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.	Rs. 1.00 lakh/MT	-do-
	viii) Evaporative / low energy cool chamber (8 MT)	50% of the total cost.	Rs. 5.00 lakh/unit	-do-
	ix) Preservation unit (low cost)	50% of the total cost.	Rs.2.00 lakh/unit for new unit and Rs.1.00lakh/unit for up-gradation	-do-
	x) Low cost onion storage structure (25 MT)	50% of the total cost.	Rs. 1.75 lakh/per unit	-do-
	xi) Pusa Zero energy cool chamber (100 kg)	50% of the total cost.	Rs. 4000 per unit	-do-
	xii) Integrated Cold Chain supply System	Credit linked back-ended subsidy @ 35% of the cost of project in general areas and 50% of cost in case Hilly & Scheduled areas per beneficiary.	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.	-do-
	Post harvest storage and treatment facilities for bamboo	40% of cost, as credit-linked back-ended subsidy	Rs. 25.00 lakh	-do-



S. No.	Type of Assistance	Criteria for Assistance/ maximum limit		Scheme / Component	
		Subsidy	Maximum Subsidy per Unit Area		
C.	National Horticulture Board (NHB)				
1.	A) Development of Commercial Horticulture				
	i) Open field conditions	Credit linked back ended subsidy @40% of project cost limited to Rs. 30.00 lakh per project in general areas and @ 50% of project cost limited to Rs. 37.50 lakhs for NE and Hilly and scheduled areas.	Rs. 75.0 lakh per project (Rs. 125.00 lakh for date palm, olive and saffron) for projects covering area over 2 ha.	Sub scheme of National Horticulture Board (NHB) under MIDH	
	ii) Protected cover	Credit linked back ended subsidy @ 50% of project cost limited to Rs.56.00 lakh per project.	Rs. 112.00 lakh per project cost covering area above 2500 Sq. mt.	-do-	
	iii) Integrated Post Harvest Management Projects e.g. Pack house, Ripening Chamber, Reefer Van, Retail Outlets, Pre- Cooling Units, Primary processing, etc.	Credit linked back ended subsidy @ 35% of project cost limited to Rs. 50.75 lakh per project in general areas and @ 50% of project cost limited to 72.50 lakh per project in NE, Hilly and Scheduled areas, ensuring backward and forward linkage. For standalone projects, NHM norms will be adopted.	Rs. 145.00 lakh per project. The add-on components of pre-cooling, pack house, grading, packing, cold room can be taken up as individual components.	-do-	
2.	Capital Investment Subsidy Scheme for construction/ expansion/ Modernization of Cold Storage and Storage for Horticulture Products.				
	i) Cold Storage Units Type 1- basic mezzanine structure with large chamber (of >250 MT) type with single temperature zone.	Credit linked back ended subsidy @35% of the cost of project (50% in NE, Hilly and Scheduled areas) for capacity above 5000MT.	NHB to take up projects with Capacity above 5000 MT upto 10000 MT as per following rates: Rs. 7600/MT for capacity between 5001 to 6500/ MT, Rs. 7200/MT for capacity between 6501 to 8000/ MT, Rs. 6800/MT for capacity between 8001to 10000 MT.	Sub Schemes of NHB under MIDH	



S. No.	Type of Assistance	Criteria for Assistance/ maximum limit		Scheme / Component
		Subsidy	Maximum Subsidy per Unit Area	
	ii) Cold Storage Units Type 2- PEB structure for multiple temperature and product use, more than 6 chambers (of <250 MT) and basic material handling equipment.	-do-	NHB to take up projects with Capacity above 5000 MT upto 10000 MT as per following rates: Rs. 9500/MT for capacity between 5001 to 6500 MT, Rs. 9000/ MT for capacity between 6501 to 8000 MT, Rs. 8500/MT for capacity between 8001 to 10000 MT).	-do-
	iii) Cold Storage Units Type-2 with add on technology for Controlled Atmosphere.	-do-	NHB to take up projects with Capacity above 5000 MT upto 10000 MT as per following rates: Additional Rs. 10,000/MT for add on components of controlled atmosphere technology.	-do-
D.	Coconut Development Board			
	A) Production and distribution of quality planting material			
	i) Distribution of hybrids/dwarf seedlings in Govt./ private sector	i) 25 % of cost, for a maximum of 25,000 seedlings/acre	Rs.36.00 per seedling	Sub Schemes of CDB under MIDH
	ii) Establishment of Nucleus Coconut Seed Garden	ii) 25% of cost, for a maximum of 4 ha	Rs. 6.00 lakh / ha	-do-
	iii) Establishment of Small Coconut Nursery	iii) 100% cost for Public and Private sector.	Rs. 2.00 lakh/unit of 0.4ha with a production capacity of 25000 certified seedlings per annum.	-do-



S. No.	Type of Assistance	Criteria for Assistance/ maximum limit		Scheme / Component
		Subsidy	Maximum Subsidy per Unit Area	
B) Expansion of Area under Coconut				
a)	Normal area	25 % of cost, for a maximum of 4 ha per beneficiary, in two equal installments		-do-
i)	Tall varieties		i) Rs. 6,500/ha.	
ii)	Hybrid		ii) Rs. 6,150/ha	
iii)	Dwarf		iii) Rs. 7,500/ha	
b)	Hilly and Scheduled Areas	25 % of cost, for a maximum of 4 ha per beneficiary, in two equal installments		-do-
i)	Tall varieties		i) Rs. 13,750/ha.	
ii)	Hybrid		ii) Rs. 13,750/ha	
iii)	Dwarf		iii) Rs. 15,000/ha	
C) Technology Mission on Coconut				
1. Development and adoption of technologies for management of insect pests and disease affected gardens				
a) Development of Technologies				
		i) Rs. 50.00 lakh for ICAR (CPCRI)/ State Agricultural Universities / State Deptt. of Horticulture / Agriculture / and cooperative sector.	i) 100% of the cost of project	-do-
		ii) Rs. 25 lakhs for NGO's and other organizations	ii) 50% of the cost.	
b) Demonstration of Technologies				
		i) Rs. 25 lakh/ projects to ICAR(CPCRI)/ State Agricultural Universities / State Deptt. of Horticulture / Agriculture / other related public sector units / Registered cooperative societies	i) 100% of the cost of project	-do-
		ii) Limited to Rs. 10.00 lakh for individuals / group of farmers NGO's private companies	ii) 50% of the cost.	
c) Adoption of technologies				
		i) 25% of the cost technology adoption	25% of the cost	-do-
		ii) 25% of the cost in case of group of farmers/ NGO's / other organizations		



S. No.	Type of Assistance	Criteria for Assistance/ maximum limit		Scheme / Component		
		Subsidy	Maximum Subsidy per Unit Area			
2. Development and adoption of technologies for processing and product diversification						
a) Development of Technology						
		i) Rs. 75 lakh for all Govt. Institutions and cooperative societies.	i) 100% of the project cost	-do-		
		ii) Rs. 35 lakh for NGO's, individual entrepreneurs and other research organizations	ii) 75% of the project cost.	-do-		
b) Acquisition, training, demonstration of Technologies						
		i) 100% of the cost to all the Govt. Institutions and Cooperative Societies	i) Rs. 25 lakh/projects to ICAR (CPCRI)/ State Agricultural Universities / State Deptt. of Horticulture / Agriculture/ other related public sector units / Registered Cooperative societies	-do-		
		ii) 50% of the cost for NGO's, Individual entrepreneurs and other organizations.	ii) Limited to Rs. 10.00 lakh for individuals / group of farmers / NGO's, private companies			
c) Adoption of technologies						
		i) Back- ended credit capital subsidy limited to 25% of the cost.	i) 25% of the cost of technology adoption	-do-		
		ii) For SC/ST women farmers, 33.3% of the project cost.	ii) 25% of the cost in case of group of farmers/ NGO's / other organizations			
		iii) In case of high value agriculture in the Union Territories of Andaman and Nicobar Islands and Lakshadweep 50% of the project cost.				
D) Replanting & Rejuvenation of Old Coconut Gardens						
	a) Cutting & removing old/ senile palms	@ Rs. 1000/-palm limited to 32 palms/-ha	Rs. 32,000/- ha	-do-		
	b) Assistance for replanting	50% of cost subject to maximum of Rs. 4000/-ha	Rs. 40/- per seedling and Rs. 4000/ha			



S. No.	Type of Assistance	Criteria for Assistance/ maximum limit		Scheme / Component
		Subsidy	Maximum Subsidy per Unit Area	
	c) Improvement of existing coconut gardens through integrated management practices	25% of cost in two equal installments	Rs. 17,500/-ha	-do-
E) Coconut Palm Insurance Scheme				
		75% of cost of premium of which 50% of insurance premium by CDB and 25% by State Government	Premium rate Rs. 9.00 per palm for trees in the age group of 4-15 years and Rs. 14.00/palm in the age group of 16-60 years When the palm gets damaged, claim for plant age group of 4-15 is Rs. 900/ palm and for plant age group 16-60 is Rs. 1750/palm	-do-
F) Kera Suraksha Insurance Scheme				
		75% of cost of premium borne by CDB and 25% by coconut tree climber with a coverage of Rs. 2 lakh	Rs. 71.40 by CDB	-do-

Mission for Integrated Development of Horticulture (MIDH) with sub schemes NHM, HMNEH, National Bamboo Mission, Coconut Development Board and National Horticulture Board.

- Hectare unless otherwise stated
- Cost norms means upper limit of cost for calculation of subsidy

Whom to Contact:

Whom to Contact: District Horticulture Officer/Dy. Director (Horticulture) and Director, Horticulture at State level.



Beekeeping

Why Beekeeping?

- Beekeeping is an agro-based rural activity practiced by poor/landless labourers/farmers/rural youths/women, etc.
- Diversified agro climatic conditions of India provides great potential and opportunities for beekeeping.
- Beekeeping generates income and employment without disturbing natural resources.
- Beekeeping/Honeybees converts nectar and pollen (otherwise go waste) into food by producing honey and other beehive products.
- Beekeeping also produces high value beehive products i.e. royal jelly, propolis, bee pollen, bee venom, bee bread etc.
- Honey bees help in increasing yield of various horticultural crops (fruits and vegetables) and agricultural crops (oilseeds, pulses, etc.) by providing pollination support.
- Manyfold enhancement in the yield of various crops through pollination support by Beekeeping has been recorded.

What You Can Get?

S. N.	Components	Rates of assistance approved under MIDH (NHM/ HMNEH)
1.	Development and Multiplication of Bee Stock	
i.	Production of nucleus (Pedigree) stock.	Rs.20.00 lakhs/ project for Research Institutes / Public Sector.
ii.	Production of Bee colonies by Bee Breeders.	40% of cost or Rs.4.00 lakhs/project (whichever is less).
2.	Distribution of 8 frame bee colonies (50 bee colonies per beneficiary).	40% of cost or Rs.800/ per set of bee colony (whichever is less).
3.	Distribution of beehives, supers, etc. (50 beehives, supers, etc. per beneficiary).	40% of cost or Rs.800/ per set of beehive, supers, etc.(whichever is less).
4.	Distribution of bee equipments [a set of one honey extractor of SS (4 frames) & 10 containers (30 kg each) of FGP /SS, 1 net & a set of other tools] / unit of 50 bee colonies / beneficiary.	40% of cost or Rs. 8000/- per set / per beneficiary (whichever is less).



S. N.	Components	Rates of assistance approved under MIDH (NHM/ HMNEH)
5.	Human Resource Dev.(HRD) activities.	
	Conf. /Seminar /Workshop:	
i.	International level	Rs. 10.00 lakh /event
ii.	National level	Rs. 5.00 lakh /event
iii.	State level	Rs. 3.00 lakh/ event
iv.	District level	Rs. 2.00 lakh/ event
6.	Trainings – (i) Within State (WST)	@ Rs. 1000/- participant/ day
	(ii) Out of State(OST)	Project based (OST)
7.	Exposure Visits–Outside States and Outside India	Project based

- Beekeepers/farmers are requested to practice scientific beekeeping, among others, which includes extraction of honey from Honey/Super chamber only, use of queen excluder, use of food grade plastic honey containers, SS made honey extractors, etc. for which the assistance available under MIDH may be availed.
- Never use antibiotics in bee colonies.
- Extract only sealed honey.
- Advisories issued by NBB for scientific beekeeping, time to time, may be adopted.

Whom to Contact ?

- District Horticulture Officer
- Director Horticulture of the State Government
- Executive Director, National Bee Board, B wing, 2nd Floor, Janpath Bhawan, Janpath Road, New Delhi, Ph. No. 011-23325265, E-mail: nationalbeeboard.2006@gmail.com





7

SEEDS

What to do?

- Always use recommended variety of seeds as per local climate and adopt recommended seed rate and other package of practices.
- Replace seeds of wheat, paddy, barley, pulses (except arhar), oilseeds (except rapeseed, mustard and sunflower) once in three years, seeds of maize, bajra, jowar, arhar, rapeseed, mustard and sunflower once in two years and hybrid seeds every year.
- Always purchase certified quality seeds from authorized agencies and store the seeds in a cool, dry and clean place.
- Always use treated seeds for sowing and test for quality parameters like purity, germination, free from weed seed etc. before sowing.



What You Can Get?

A : Assistance for Seed Distribution

S. No.	Crop	Assistance on Distribution of Certified Seeds	Scheme/ Component
1.	(i) Hybrid Seed (Rice) (ii) Certified Seed of HYVs (rice & wheat)	50% of the cost limited to Rs. 10,000 per quintal 50% of the cost limited to Rs. 1000/qtl. for varieties more than 10 years of age and Rs. 2000/qtl for varieties less than 10 years of age	BGREI BGREI
2.	Distribution of Seeds (i) HYV Seeds a) Rice and Wheat b) Coarse Cereals c) Pulses (ii) Hybrid Seeds a) Rice b) Coarse Cereals	Rs. 10/-per kg or 50% of cost whichever is less for > 10 years Rs. 20/-per kg or 50% of cost whichever is less for < 10 years Rs. 15 per kg or 50% of cost whichever is less for > 10 years Rs. 30 per kg or 50% of cost whichever is less for > 10 years Rs. 25 per kg or 50% of cost whichever is less for > 10 years Rs. 50 per kg or 50% of cost whichever is less for < 10 years Rs. 100 per kg or 50% of cost whichever is less Rs. 100 per kg or 50% of cost whichever is less	NFSM NFSM NFSM NFSM NFSM



S. No.	Crop	Assistance on Distribution of Certified Seeds	Scheme/ Component
3.	Oilseeds (groundnut, soybean sunflower, toria, safflower, sesame, niger, mustard, rapeseed, linseed and castor)	Assistance @ 50% of cost limited to Rs. 4000/qtl for varieties of oilseeds not older than 15 years except Sesame. Assistance for distribution of hybrid seeds and variety of sesame is Rs. 8000/qtl.	National Mission on Oilseed & Oil Palm (NMOOP)
4.	For all crops, distribution of foundation/ certified seeds for production of quality seeds to improve the quality of farm-saved seeds (GOI Share 60% and State Share 40% and for Himalayan states and North Eastern states GOI share 90% and these states share 10%)	50% cost of seeds of cereals, 60% of the cost of seeds of oilseeds, pulses, fodder, green manure crops etc. required for a one-acre area per farmer.	Sub-Mission on Seed and Planting Material (SMSP) under the component Seed Village Programme.
5.	Distribution of foundation/ certified seeds of oilseeds, pulses, fodder, and green manure crops etc. for farmers, SHGs, FPOs etc. (GOI Share 60% and State Share 40% and for Himalayan states and North Eastern states GOI share 90% and these states share 10%)	75% cost of seeds of oilseeds, pulses, fodder, green manure crops .	Sub-Mission on Seeds and Planting Material under certified production of oilseeds, pulses, fodder and green manure crops through Seed Village Programme.



S. No.	Crop	Assistance on Distribution of Certified Seeds	Scheme/ Component
6.	Oil palm seeding	@ 85% of the cost of planting material limited to Rs. 12000/ha for entire land holding/planting area of the farmers.	National Food Security Mission (Oil Seed & Oil Palm)
7	Cultivation/ maintenance cost as assistance/ maintenance for gestation period for oil palm	50% of cost during gestation period for four years with a ceiling of Rs. 20,000/- per hectare@ Rs. 5000/ha/year up to 25 ha.	-do-
8.	Jute and Mesta Seed village programme	Rs. 5,500 per quintal of certified seed produced	NFSM Commercial Crops (Jute)
9.	Purchase of breeder seeds of oilseeds from ICAR and SAUs	Reimbursement of full cost of breeder seeds as fixed by Seed Division of DAC & FW and ICAR	National Food Security Mission (Oil Seed & Oil Palm)

B : Assistance for Production of Certified Seeds

10.	(a) Hybrid Paddy (b) Certified seeds of HYVs of rice and wheat	50% of the cost limited to Rs. 10,000 per quintal 50% of the cost limited to Rs. 2000 per quintal	BGRI
11.	Pulses (arhar, moong, urad, lentil, field pea, gram, rajma and moth)	HYV seeds Rs. 50 per kg or 50% of the cost whichever is less for ten year old varieties	National Food Security Mission (NFSM)
12.	Nutri-Cereals (Jowar, Bajra, Ragi & other small millets)	Rs. 3000/- per quintal	National Food Security Mission (NFSM)



S. No.	Crop	Assistance on Distribution of Certified Seeds	Scheme/ Component
13.	Assistance for boosting seed production in private sector including individual/ entrepreneurs, self help groups etc.	(i) Credit-linked back-ended capital subsidy at the rate of 40% of project cost in general areas and 50% in case of hill areas and scheduled areas subject to upper limit of Rs. 150 lakhs per project	Sub Mission on Seeds and Planting Material (SMSP) under Assistance for Boosting of Seed Production in Private Sector.
C : For all Oil Seeds Crops			
14.	Assistance for production of Foundation Seeds	Rs. 2500/- per quintal for all varieties/hybrids released during the last 10 years and an additional assistance of Rs. 100/- per quintal on the varieties/Hybrids released in the last 5 years. 75% of subsidy amount is meant for farmers and 25% for seed producing agencies.	National Food Security Mission (Oil Seed & Oil Palm)
15.	Production of Certified Seeds	- do -	- do -
16.	Seed Infrastructure Development	Assistance up to 50% for creation of seed infrastructure including threshing floor, seed storage godowns with the provision for dehumidification, irrigation facilities including tube wells/bore wells, motor pumps, sprinklers, excluding drip, lining of channel, leveling of field, fencing on the farms, electrification of office building, farm machinery etc.	- do -





S. No.	Crop	Assistance on Distribution of Certified Seeds							Scheme/ Component																											
15 a.	Creation of Seed Infrastructure facilities (for Public Sector only) Seed Processing Facilities	<p>(100% Gol share)</p> <p>1-Establishment of Seed Processing Plants</p> <p>Grant-in aid is available according to modular design of 1000 MT, 2000MT, 3000MT and 5000 MT (annual capacity seed processing capacity plants wheat basis). The assistance shall be available at the following rate:</p> <table border="1"> <thead> <tr> <th>Items</th><th>Annual capacity (MT)</th><th>1000 MT</th><th>2000 MT</th><th>3000 MT</th><th>4000 MT</th><th>5000MT</th></tr> </thead> <tbody> <tr> <td>Main equipment etc.</td><td>Rs. In lakh</td><td>27.90</td><td>32.90</td><td>47.10</td><td>56.20</td><td>62.80</td></tr> <tr> <td>Supporting Equipments etc.</td><td>Rs. In lakh</td><td>9.90</td><td>10.10</td><td>13.90</td><td>20.70</td><td>21.30</td></tr> <tr> <td>Total Cost</td><td>Rs. In lakh</td><td>37.80</td><td>43.00</td><td>61.00</td><td>76.90</td><td>84.10</td></tr> </tbody> </table>	Items	Annual capacity (MT)	1000 MT	2000 MT	3000 MT	4000 MT	5000MT	Main equipment etc.	Rs. In lakh	27.90	32.90	47.10	56.20	62.80	Supporting Equipments etc.	Rs. In lakh	9.90	10.10	13.90	20.70	21.30	Total Cost	Rs. In lakh	37.80	43.00	61.00	76.90	84.10	Sub-Mission on Seeds and Planting Materials (SMSM)					
Items	Annual capacity (MT)	1000 MT	2000 MT	3000 MT	4000 MT	5000MT																														
Main equipment etc.	Rs. In lakh	27.90	32.90	47.10	56.20	62.80																														
Supporting Equipments etc.	Rs. In lakh	9.90	10.10	13.90	20.70	21.30																														
Total Cost	Rs. In lakh	37.80	43.00	61.00	76.90	84.10																														
2. Construction of building, receiving shed, drying platform																																				
The financial assistance for construction of building require Annual capacity of plant (MT)			Plant building & receiving shed			Drying Platform			Grand total (Rs. In lakh)																											
			Size (sqm)	Rate (Rs/ sqm)	Total cost (Rs. In lakh)	Size (sqm)	Rate (Rs/ sqm)	Total cost (Rs. In lakh)																												
1000			450	7000	31.50	100	1200	1.20	32.70																											
2000			525	7000	36.75	200	1200	2.40	39.15																											
3000			700	7000	49.00	300	1200	3.60	52.60																											
4000			800	7000	56.00	400	1200	4.80	60.80																											
5000			1000	7000	70.00	500	1200	6.00	76.00																											
The implementing agencies will have the flexibility to establish seed processing plant of desired capacity as assessed by them and assistance will be provided on prorata basis.																																				



S. No.	Crop	Assistance on Distribution of Certified Seeds					Scheme/ Component																									
15 b.		Seed Storage Facilities The financial assistance for construction of various types of seed storage godowns including pallets/packs cover, sprayers, dusters etc. Required for safe storage of seed is available as under: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Particulars</th><th>Capacity (MT)</th><th>Size (sqm)</th><th>Rate (Rs/ sqm)</th><th>Total cost (Rs. In lakh)</th></tr> </thead> <tbody> <tr> <td>Store with AC/GI sheets</td><td>1000</td><td>700</td><td>7000</td><td>49.00</td></tr> <tr> <td>Ventilated Flat Roof Store</td><td>100</td><td>700</td><td>7500</td><td>52.50</td></tr> <tr> <td>Dehumidified Store</td><td>100</td><td>100</td><td>14000</td><td>14.00</td></tr> <tr> <td>Air conditioned and dehumidified Store</td><td>100</td><td>100</td><td>18000</td><td>18.00</td></tr> </tbody> </table> <p>The implementing agencies will have the flexibility to establish / strengthen seed store of desired capacities as assessed by them as per given modular pattern and financial assistance will be provided on prorate basis.</p>					Particulars	Capacity (MT)	Size (sqm)	Rate (Rs/ sqm)	Total cost (Rs. In lakh)	Store with AC/GI sheets	1000	700	7000	49.00	Ventilated Flat Roof Store	100	700	7500	52.50	Dehumidified Store	100	100	14000	14.00	Air conditioned and dehumidified Store	100	100	18000	18.00	Sub-Mission on Seeds & Planting Material (SMSM)
Particulars	Capacity (MT)	Size (sqm)	Rate (Rs/ sqm)	Total cost (Rs. In lakh)																												
Store with AC/GI sheets	1000	700	7000	49.00																												
Ventilated Flat Roof Store	100	700	7500	52.50																												
Dehumidified Store	100	100	14000	14.00																												
Air conditioned and dehumidified Store	100	100	18000	18.00																												
D. National Seed Reserve																																
16	Seed of short and medium duration crops varieties during natural calamities and unforeseen conditions	1. Cost of Seeds - 100% 2. Maintenance cost I. Processing & Packing charges – Rs. 300/Qtls II Transportation charges – Rs. 200/Qtls 3. Cost of seed storage infrastructure – Rs. 57.74 Lakh for 10000 Qtl capacity. 4. Assistance for purchase of machineries, plant building, receiving shed, and drying platform – Rs. 70.50 lakh for 10000 qtl capacity. 5. Cost of material handling equipments – Rs. 50 per qtls (One Time). 6. Cost of services outsourced for fumigation, spraying, maintenance of dust free environment staking, de-staking and other operation involving labour – Rs. 10/qtls (Every Year). 7. Cost of condemnation unfit seeds – Price differential between seed and grain of 10% quantity of targeted stock. 8. Cost of computerization						Submission on Seeder Planting Material (SMSM)																								

Whom to Contact ?

District Agriculture Officer / Agriculture Block Development Office / Project Director ATMA/State Seed Corporation

8

PROTECTION OF PLANT VARIETIES AND FARMERS' RIGHTS

The Protection of Plant Varieties and Farmers' Rights (PPV&FR) Authority has been established under PPV&FR Act, 2001 to grant Intellectual Property Rights to plant breeders, researchers and farmers who have developed plant varieties (new and extant). The PPV&FR Authority registers farmer's varieties and also confers awards/rewards/recognition to farming communities and farmers engaged in conservation of plant genetic resources.

FARMERS' VARIETY REGISTRATION

A farmer also is a person engaged in agriculture, raising living organisms for food or raw materials. The term usually applies to people who do some combination of raising field crops, orchards, vineyards, poultry, or other livestock.

- A farmer who engaged in agriculture and bred, developed or rising crops or other livestock for a new variety shall be entitled for registration and other protection in like manner as a breeder of a variety.
- A farmer who is engaged in the conservation of genetic resources of landraces and wild relatives of economic plants and their improvement through selection and preservation shall be entitled in the prescribed manner for recognition and reward from the Gene Fund. Provided that material so selected and preserved has been used as donors of genes in varieties registrable.

Community

- Conserves and preserves, severally or jointly, with any person any wild species or traditional varieties, or adds value to such wild species or traditional varieties through selection and identification of their useful properties.





What can you do ?

Application Form	Application Fee	Requirement	Application Category	Benefits
Registrations of Farmer variety forms are available in English and Hindi in our website. http://plantauthority.gov.in/forms.htm	NIL	Submit Seeds or propagating material of the variety being registered to the PPV&FRA	New / Extant Farmer Variety	<ul style="list-style-type: none">◆ Legal rights after registration of varieties.◆ Benefit sharing◆ Compensation for the farmers◆ Compulsory licensing

What you will get ?

Legal rights after registration of varieties.	<ul style="list-style-type: none">◆ It is considered necessary to recognize and protect the rights of the farmers in respect of their contribution made at any time in<ul style="list-style-type: none">◆ conserving,◆ improving and◆ making available plant genetic resources for the development of new plant varieties.◆ To accelerate agricultural development in the country, it is necessary to protect plant breeders' rights to stimulate investment for research and development, both in the public and private sector, for the development of new plant varieties.
Benefit sharing	<ul style="list-style-type: none">◆ If any organization, private company or anybody uses the Farmer variety for production, development or breeding purposes, then the farmers has to get the benefit by being paid some percentage of the profit.◆ The Authority will decide the percentage or amount to be paid to the farmer.
Compensation for the farmers	<ul style="list-style-type: none">◆ If any registered variety fails to provide performance under given conditions, the farmer or the group of farmers or the organization of farmers, as the case may be, may claim compensation in the prescribed manner before the Authority.
Compulsory licensing	<ul style="list-style-type: none">◆ Ensuring that seeds of the varieties registered under this Act are easily available to the farmers.◆ If the breeder of registered varieties fails to produce sufficient quantity of the variety at reasonable price, the farmer can ask for compulsory license to third party.





PLANT GENOME SAVIOR (PGS) AWARD

Type of awards	Application form	Eligibility	Requirement	Amount in Rs. (lakh)	No of awards
PGS Community Awards	Application Form: http://plantauthority.gov.in/PGSFA.htm Application needs to be forwarded through Chairman /Secretary of the concerned Panchayat	<ul style="list-style-type: none"> ◆ Indian group of farmers, community of farmers, particularly the tribal and rural communities engaged in conservation, improvement and preservation of genetic resources of economic plants and their wild relatives. 	<ul style="list-style-type: none"> ◆ Shortlisted farmers has to deposit specific quantity of seeds or propagating material to the Authority 	10	5
PGS Rewards	/ Biodiversity Management Committee /Concerned District Agricultural Officer /Director of research of concerned State Agricultural University /Concerned District Tribal Development Office.	<ul style="list-style-type: none"> ◆ A farmer to be engaged in the conservation of genetic resources of landraces and wild relatives of economic plants and their improvement through selection and prevention and the material so selected and preserved has been used as donors of genes in varieties registerable under the Act. 	<ul style="list-style-type: none"> ◆ Shortlisted farmers has to deposit specific quantity of seeds or propagating material to the Authority 	1.5	10
PGS Recognitions		<ul style="list-style-type: none"> ◆ Same as mentioned in the PGS rewards 	<ul style="list-style-type: none"> ◆ Shortlisted farmers has to deposit specific quantity of seeds or propagating material to the Authority 	1	20





9

MECHANIZATION AND TECHNOLOGY

What to do?

- Procure appropriate machinery/ equipment as per land holding size and crop.
- Machinery & equipment can be used by Custom Hiring/ sharing by groups of farmers.
- Conserve Resources - Use Zero-till Seed Drill, Laser Leveler, Happy Seeder, Rotavator, etc.
- Training is provided on proper use of Farm Machinery and its routine maintenance and servicing through Farm Machinery Training & Testing Institutes (FMTTIs), KVks & State Agricultural Universities.



What You Can Get?

A. Sub - Mission on Agricultural Mechanization (SMAM)

1. Financial Assistance for Procurement of Agricultural Machinery and Equipments

Type of Agricultural Machinery * , \$	For SC, ST, Small & Marginal farmers, Women and NE States beneficiary		For other beneficiary	
	Maximum Permissible subsidy per Machine/ Equipment per beneficiary	Pattern of Assistance	Maximum Permissible subsidy per Machine/ Equipment per beneficiary	Pattern of Assistance
Tractors				
(i) Tractor 2WD (08-20 PTO HP)	Rs. 2.00 lakh	50%	Rs. 1.60 lakh	40%
(ii) Tractor 4WD (08-20 PTO HP)	Rs. 2.25 lakh	50%	Rs. 1.80 lakh	40%
(iii) Tractor 2WD (above 20-40 PTO HP)	Rs. 2.50 lakh	50%	Rs. 2.00 lakh	40%
(iv) Tractor 4WD (above 20-40 PTO HP)	Rs. 3.00 lakh	50%	Rs. 2.40 lakh	40%
(v) Tractor 2WD (above 40-70 PTO HP)	Rs. 4.25 lakh	50%	Rs. 3.40 lakh	40%
(vi) Tractor 4WD (above 40-70 PTO HP)	Rs. 5.00 lakh	50%	Rs. 4.00 lakh	40%
Power Tillers				
(i) Power Tiller (below 8 BHP)	Rs. 0.65 lakh	50%	Rs. 0.50 lakh.	40%



Type of Agricultural Machinery * , \$	For SC, ST, Small & Marginal farmers, Women and NE States beneficiary		For other beneficiary	
	Maximum Permissible subsidy per Machine/ Equipment per beneficiary	Pattern of Assistance	Maximum Permissible subsidy per Machine/ Equipment per beneficiary	Pattern of Assistance
(ii) Power Tiller (8 BHP & above)	Rs. 0.85 lakh	50%	Rs. 0.70 lakh.	40%
Rice Transplanter				
Self Propelled Rice Transplanter(4 rows)	Rs.1.50 lakh	50%	Rs. 1.20 lakh	40%
Self Propelled Rice Transplanter	Rs. 5.00 lakh. Rs. 8.00 lakh.	50%	Rs. 4.00 lakh Rs. 6.50 lakh	40%
Self Propelled Machinery				
Reaper cum Binder (3 wheel) Reaper cum Binder (4 wheel)	Rs. 1.75 lakh Rs. 2.50 lakh	50%	Rs. 1.40 lakh Rs. 2.00 lakh	40%
Specialized Self Propelled Machinery	Rs. 0.75 lakh Rs. 0.75 lakh Rs. 0.90 lakh	50%	Rs. 0.60 lakh Rs. 0.60 lakh Rs. 0.70 lakh	40%
(i) Reaper (ii) Post Hole Digger/Auger (iii) Pneumatic/ other Planter				
Self Propelled Horticultural Machinery	Rs. 2.00 lakh Rs. 2.00 lakh Rs. 2.00 lakh Rs. 0.50 lakh	50%	Rs. 1.60 lakh Rs. 1.60 lakh Rs. 1.60 lakh Rs. 0.40 lakh	40%
(i) Track Trolley (ii) Nursery Media Filling Machine (iii) Multipurpose Hydraulic System (iv) Power operated horticulture tools for pruning, budding, grating, shearing etc.				
Tractor/Power Tiller (below 20 BHP) driven equipments.				
A. Land Development, tillage and seed bed preparation equipments:	Rs. 0.20 lakh	50%	Rs. 0.16 lakh	40%
(i) MB Plow (ii) Disc Plow (iii) Cultivator (iv) Harrow (v) leveler Blade (vi) Cage wheel (vii) Furrow opener (viii) Ridger (ix) Weed slasher				



Type of Agricultural Machinery * , \$	For SC, ST, Small & Marginal farmers, Women and NE States beneficiary		For other beneficiary	
	Maximum Permissible subsidy per Machine/ Equipment per beneficiary	Pattern of Assistance	Maximum Permissible subsidy per Machine/ Equipment per beneficiary	Pattern of Assistance
(x) Furrow opener (xi) Bund former (xii) Crust breaker (xiii) Rotopuddler (xiv) Rotocultivator (xv) Power Harrow	Rs.0.40 lakh	50%	Rs. 0.32 lakh	40%
Chisel Plough	Rs. 0.10 lakh	50%	Rs. 0.08 lakh	40%
B. Sowing, Planting, Reaping and Digging Equipments: (i) Post Hole digger (ii) Potato Planter (iii) Potato Digger (iv) Ground nut digger (v) Strip till drill (vi) Tractor drawn reaper (vii) Onion harvester (viii) Rice straw Chopper, (ix) Raised Bed Planter (x) Sugar cane cutter/Stripper (xi) Planter, (xii) Multi crop planter (xiii) Zero –till multi crop planter (xiv) Ridge furrow planter	Rs 0.30 lakh	50%	Rs. 0.24 lakh	40%
(i) Pneumatic Planter (ii) Pneumatic vegetable transplanter, (iii) Pneumatic vegetable seeder (iv) Plastic Mulch Laying Machine (v) Raised Bed Planter with inclined plate planter and shaper attachment.	Rs. 0.50 lakh	50%	Rs. 0.40 lakh	40%
(i) Seed treating drum (ii) Seed cum fertilizer drill (5 tines) (iii) Aqua ferti Seed drill (5-7 tines)	Rs. 0.15 lakh	50%	Rs. 0.12 lakh	40%



Type of Agricultural Machinery * , \$	For SC, ST, Small & Marginal farmers, Women and NE States beneficiary		For other beneficiary	
	Maximum Permissible subsidy per Machine/ Equipment per beneficiary	Pattern of Assistance	Maximum Permissible subsidy per Machine/ Equipment per beneficiary	Pattern of Assistance
C. Inter Cultivation Equipments: (i) Grass Weed Slasher (ii) Power Weeder (engine operated below 2 bhp)	Rs. 0.25 lakh	50%	Rs. 0.20 lakh	40%
D. Equipments for Residue management/Hay and Forage Equipments: (i) Sugarcane thrash Cutter (ii) Coconut Frond Chopper, (iii) Straw reaper (iv) Stubble shaver	Rs. 0.25 lakh	50%	Rs. 0.20 lakh	40%
E. Harvesting & Threshing Equipments (Operated by engine/electric motor below 3 hp and by power tiller, and tractor of below 20 BHP tractor): (i) Ground Nut Pod Stripper (ii) Thresher (iii) Multi crop Threshers (iv) Paddy Thresher (v) Brush Cutter (vi) Winnowing fan (vii) Maize sheller (viii) Mower (ix) Flail Harvester (x) Mower Shredder (ALL PURPOSE/All crops)	Rs. 0.30 lakh	50%	Rs. 0.25 lakh	40%
F. Chaff Cutter (Operated by engine/electric motor below 3 hp and by power tiller, and tractor of below 20 BHP tractor)	Rs. 0.20 lakh	50%	Rs. 0.16 lakh	40%



Type of Agricultural Machinery * , \$	For SC, ST, Small & Marginal farmers, Women and NE States beneficiary		For other beneficiary	
	Maximum Permissible subsidy per Machine/ Equipment per beneficiary	Pattern of Assistance	Maximum Permissible subsidy per Machine/ Equipment per beneficiary	Pattern of Assistance
Tractor (above 20- 35 BHP) driven equipments .				
A. Land Development ,tillage and seed bed preparation equipments: (i) MB Plow (ii) Disc Plow (iii) Cultivator (iv) Harrow (v) leveler Blade (vi) cage wheel (vii) Furrow opener (viii) Ridger (ix) Weed slasher	Rs. 0.30 lakh	50%	Rs. 0.25 lakh	40%
(x) Rotopuddler (xi) Furrow opener (xii) Bund former (xiii)Crust breaker (xiv) Rotocultivator (xv) Power Harrow	Rs.0.60 lakh	50%	Rs. 0.50 lakh	40%
(xvi) Rotavator 5 feet	Rs. 0.42 lakh	50%	Rs. 0.34 lakh	40%
(i) Chisel Plough	Rs. 0.20 lakh	50%	Rs. 0.16 lakh	40%
(xvii) Reversible Hydraulic plough(2 bottom)	Rs. 0.70 lakh	50%	Rs. 0.56 lakh	40%
(i) Reversible Mechanical plough(2 bottom)	Rs. 0.40 lakh	50%	Rs. 0.32 lakh	40%
(ii) Laser Land Leveller	Rs. 2.00 lakh	50%	Rs. 1.60 lakh	40%
B. Sowing , Planting ,Reaping and Digging Equipments: (i) Post Hole digger (ii) Potato Planter (iii) Potato Digger (iv) Ground nut digger (v) Tractor drawn reaper (vi) Onion harvester (vii) Raised Bed Planter (ix) Sugar cane cutter/Stripper (x) Multi crop planter, (xi) Ridge furrow planter	Rs. 0.40 lakh	50%	Rs. 0.30 lakh	40%



Type of Agricultural Machinery * , \$	For SC, ST, Small & Marginal farmers, Women and NE States beneficiary		For other beneficiary	
	Maximum Permissible subsidy per Machine/ Equipment per beneficiary	Pattern of Assistance	Maximum Permissible subsidy per Machine/ Equipment per beneficiary	Pattern of Assistance
(i) seed drill (7 tines) (ii) zero –till multi crop (iii) Seed treating drum (iv) Seed cum fertilizer drill (7 tines)	Rs. 0.18 lakh	50%	Rs. 0.16 lakh	40%
(i) Direct Rice Seeder	Rs. 0.20 lakh	50%	Rs. 0.16 lakh	40%
(i) Pneumatic Planter (ii) Pneumatic vegetable transplanter (iii) Pneumatic vegetable seeder (iv) Plastic Mulch Laying Machine (v) Aqua ferti seed drill (vi) Raised Bed Planter with inclined plate planter and shaper attachment.	Rs. 0.75 lakh	50%	Rs. 0.60 lakh	40%
(i) Happy/Turbo Seeder	Rs. 0.728 lakh	50%	Rs. 0.582 lakh	40%
C. Inter Cultivation Equipments: (i) Grass Weed Slasher (ii) Power Weeder (engine operated above 2 bhp)	Rs. 0.35 lakh	50%	Rs. 0.30 lakh	40%
D. Equipments for Residue Management/Hay and Forage Equipments:				
(i) Sugarcane thrash Cutter	Rs. 0.40 lakh	50%	Rs. 0.30 lakh	40%
(ii) Coconut Frond Chopper,	Rs. 0.40 lakh	50%	Rs. 0.30 lakh	40%
(iii) Rake (small capacity)	Rs. 0.75 lakh	50%	Rs. 0.60 lakh	40%
(iv) Balers(Round) (below14 kg per bale)	Rs. 1.50 lakh	50%	Rs. 1.20 lakh	40%
(v) Straw reaper	Rs. 0.75 lakh	50%	Rs. 0.60 lakh	40%
(vi) Feed block machine(100- 200 kg/hr)	Rs. 1.50 lakh	50%	Rs. 1.20 lakh	40%
(vii) Stubble shaver	Rs. 0.40 lakh	50%	Rs. 0.30 lakh	40%
(viii) Straw Chopper/Shreder/Mulcher Mounted type 5 ft	Rs.0.672 Lakh	50%	Rs. 0.538 lakh	40%
(ix) Trailor / Trolley (upto 3 ton capacity)	Rs. 0.60 Lakh	50%	Rs. 0.50 Lakh	40%



Type of Agricultural Machinery * , \$	For SC, ST, Small & Marginal farmers, Women and NE States beneficiary		For other beneficiary	
	Maximum Permissible subsidy per Machine/ Equipment per beneficiary	Pattern of Assistance	Maximum Permissible subsidy per Machine/ Equipment per beneficiary	Pattern of Assistance
E. Harvesting & Threshing Equipments (Operated by engine/ electric motor below 5 bhp and by power tiller , and tractor of below 35 BHP tractor)				
(i) Ground Nut Pod Stripper (ii) Thresher (iii) Multi crop Threshers (iv) Paddy Thresher (v) Brush Cutter (vi) Maize sheller (vii) Mower (viii) Flail Harvester (ix) Mower Shredder (ALL PURPOSE/ All crops)	Rs. 0.40 lakh	50%	Rs. 0.30 lakh	40%
(l) Reaper cum binder (Tractor Drawn)	Rs. 0.125 lakh	50%	Rs. 1.00 lakh	40%
F. Chaff Cutter (Operated by engine/ electric motor above 3-5 hp and by power tiller , and tractor of below 35 BHP tractor)	Rs. 0.28 lakh	50%	Rs. 0.22 lakh	40%
Tractor (above 35 BHP) driven equipments.				
A. Land Development ,tillage and seed bed preparation equipments:	Rs. 0.50 lakh	50%	Rs. 0.40 lakh	40%
(i) MB Plow (ii) Disc Plow (iii) Cultivator (iv) Harrow (v) Leveler Blade (vi) Cage wheel (vii) Furrow opener (viii) Ridger				
(ix) Weed slasher	Rs. 2.00 lakh	50%	Rs. 1.60 lakh	40%
(x) Laser Land Leveller	Rs. 2.00 lakh	50%	Rs. 1.60 lakh	40%



Type of Agricultural Machinery * , \$	For SC, ST, Small & Marginal farmers, Women and NE States beneficiary		For other beneficiary	
	Maximum Permissible subsidy per Machine/ Equipment per beneficiary	Pattern of Assistance	Maximum Permissible subsidy per Machine/ Equipment per beneficiary	Pattern of Assistance
Rotavator				
(xi) 5 feet	Rs. 0.42 lakh	50%	Rs. 0.34 lakh	40%
(xii) 6 feet	Rs. 0.448 lakh	50%	Rs. 0.358 lakh	40%
(xiii) 7 feet	Rs. 0.476 lakh	50%	Rs. 0.381 lakh	40%
(xiv) 8 feet	Rs. 0.504 lakh	50%	Rs. 0.403 lakh	40%
(xv) Roto-puddler	Rs. 1.00 lakh	50%	Rs. 0.80 lakh	40%
(xvi) Reversible Hydraulic plough(2 bottom)	Rs. 0.70 lakh	50%	Rs. 0.56 lakh	40%
(xvii) Reversible Hydraulic plough(3 bottom)	Rs. 0.895 lakh	50%	Rs. 0.716 lakh	40%
(xviii) Reversible Mechanical plough(2 bottom)	Rs. 0.40 lakh	50%	Rs. 0.32 lakh	40%
(xix) Reversible Mechanical plough(3 bottom)	Rs. 0.50 lakh	50%	Rs. 0.40 lakh	40%
(xx) Sub – soiler	Rs. 0.55 lakh	50%	Rs. 0.45 lakh	40%
(xxi) Trench makers (PTO operated)	Rs. 1.50 lakh	50%	Rs. 1.20 lakh	40%
(xxii) Bund former (PTO operated)	Rs. 1.50 lakh	50%	Rs. 1.20 lakh	40%
(xxiii) Backhoe Loader Dozer (Tractor operated)	Rs. 3.50 lakh	50%	Rs. 2.80 lakh	40%
(xxiv) Power Harrow (PTO operated)	Rs. 0.30 lakh	50%	Rs. 0.25 lakh	40%
(xxv) Furrow opener	Rs. 0.30 lakh	50%	Rs. 0.25 lakh	40%
(xxvi) Bund former	Rs. 0.35 lakh	50%	Rs. 0.30 lakh	40%
(xxvii) Crust breaker	Rs. 1.00 lakh	50%	Rs. 0.80 lakh	40%
(xxviii) Roto cultivator	Rs. 1.00 lakh	50%	Rs. 0.80 lakh	40%
(xxix) Power Harrow(PTO operated)	Rs. 1.00 lakh	50%	Rs. 0.80 lakh	40%

B. Sowing , Planting , Reaping and Digging Equipments:

(i) Raised Bed Planter	Rs. 0.35	50%	Rs. 0.30	40%
(ii) Seed drill/zero till seed drill (9 tines)	Rs. 0.20	50%	Rs. 0.16	40%



Type of Agricultural Machinery * , \$	For SC, ST, Small & Marginal farmers, Women and NE States beneficiary		For other beneficiary	
	Maximum Permissible subsidy per Machine/ Equipment per beneficiary	Pattern of Assistance	Maximum Permissible subsidy per Machine/ Equipment per beneficiary	Pattern of Assistance
(iii) Potato Digger	Rs.0.40	50%	Rs.0.35	40%
(iv) Tractor drawn reaper	Rs.0.75	50%	Rs.0.60	40%
(v) Onion harvester	Rs.0.80	50%	Rs.0.65	40%
Seed cum fertilizer drill/Zero till Seed cum fertilizer drill				
(vi) 9 tines	Rs.0.213	50%	Rs.0.170	40%
(vii) 11 tines	Rs.0.241	50%	Rs.0.193	40%
(viii) 13 tines	Rs.0.269	50%	Rs.0.215	40%
(ix) 15 tines	Rs.0.280	50%	Rs.0.224	40%
(x) Direct Rice Seeder (DRS)	Rs.0.20	50%	Rs.0.16	40%
(i) Post Hole digger (ii) Potato Planter (automatic) (iii) Ground nut digger (iv) Sugar cane cutter/Stripper/planter, (v) Multi crop planter (vi) Zero –till multi crop planter (vii) Ridge furrow planter	Rs. 0.75 lakh	50%	Rs. 0.60 lakh	40%
(viii) Happy/Turbo Seeder (9 tines)	Rs. 0.728 lakh	50%	Rs. 0.582 lakh	40%
(ix) Happy/Turbo Seeder (10 tines)	Rs. 0.756 lakh	50%	Rs. 0.605 lakh	40%
(x) Happy/Turbo Seeder (11 tines)	Rs. 0.784 lakh	50%	Rs. 0.627 lakh	40%
(xi) Pneumatic Planter (xii) Pneumatic vegetable transplanter, (xiii) Pneumatic vegetable seeder	Rs. 2.25 lakh	50%	Rs. 1.80 lakh	40%
(xiv) Cassava Planter	Rs. 0.75 lakh	50%	Rs. 0.60 lakh	40%
(xv) Manure spreader	Rs. 0.75 lakh	50%	Rs. 0.60 lakh	40%
(xvi) Fertilizer Spreader – PTO operated	Rs. 0.75 lakh	50%	Rs. 0.60 lakh	40%
(xvii) Plastic Mulch Laying Machine	Rs. 0.75 lakh	50%	Rs. 0.60 lakh	40%
(xviii) Automatic rice nursery sowing machinery	Rs. 1.75 lakh	50%	Rs. 1.40 lakh	40%



Type of Agricultural Machinery * , \$	For SC, ST, Small & Marginal farmers, Women and NE States beneficiary		For other beneficiary	
	Maximum Permissible subsidy per Machine/ Equipment per beneficiary	Pattern of Assistance	Maximum Permissible subsidy per Machine/ Equipment per beneficiary	Pattern of Assistance
(xix) Aqua ferti seed drill	Rs. 0.75 lakh	50%	Rs. 0.60 lakh	40%
(xx) Raised Bed Planter with inclined plate planter and shaper attachment.	Rs. 0.90 lakh	50%	Rs. 0.70 lakh	40%
C. Inter Cultivation Equipments				
(i) Grass/ Weed Slasher,	Rs.0.75 Lakh	50%	Rs. 0.60 lakh	40%
(ii) Weeder (Engine operated above 5 BHP)	Rs.0.63 Lakh	50%	Rs. 0.50 lakh	40%
(iii) Weeder (PTO operated)	Rs.0.75 Lakh	50%	Rs. 0.60 lakh	40%
D. Harvesting & Threshing Equipments (Operated by engine/ electric motor above 5 hp and tractor of above 35 BHP tractor)				
(i) Ground Nut Pod Stripper	Rs.1.00 Lakh	50%	Rs. 0.80 lakh	40%
(ii) Thresher/Multi crop Threshers upto 4 tonne/hr capacity				
(iii) Paddy Thresher				
(iv) Chaff Cutter				
(v) Forage Harvester				
(vi) Maize sheller				
(vii) Crop Reaper cum Binder (tractor drawn)	Rs.1.50 Lakh	50%	Rs. 1.20 lakh	40%
(viii) Combine Harvester (self propelled, upto 14 feet cutter bar) \$	Rs.8.00 Lakh	50%	Rs. 6.40 lakh	40%
(ix) Combine Harvester (Tractor operated (without tractor), upto 10 feet cutter bar) \$	Rs.3.00 Lakh	50%	Rs. 2.40 lakh	40%
(x) Combine Harvester (track, 6-8 feet cutter bar) \$	Rs.11.00 Lakh	50%	Rs. 8.80 lakh	40%
(xi) Combine Harvester (track, below 6 feet cutter bar) \$	Rs.7.00 Lakh	50%	Rs. 5.60 lakh	40%



Type of Agricultural Machinery * , \$	For SC, ST, Small & Marginal farmers, Women and NE States beneficiary		For other beneficiary	
	Maximum Permissible subsidy per Machine/ Equipment per beneficiary	Pattern of Assistance	Maximum Permissible subsidy per Machine/ Equipment per beneficiary	Pattern of Assistance
(xii) Thresher/Multi crop Threshers above 4 tonne/hr capacity	Rs.2.5 Lakh	50%	Rs. 2.00 lakh	40%
(xiii) Infielder	Rs.0.63 lakh	50%	Rs.0.50 lakh	40%
(xiv) Mower	Rs.1.00 Lakh	50%	Rs. 0.80 lakh	40%
(xv) Flail Harvester				
(xvi) Mower shredder (All Purpose/All crops				
E. Equipments for Residue management/Hay and Forage Equipments:				
(i) Sugarcane thrash Cutter,	Rs.1.25 Lakh	50%	Rs. 1.00 lakh	40%
(ii) Coconut Frond Chopper,	Rs.0.63 Lakh	50%	Rs. 0.50 lakh	40%
(iii) Hay Rake	Rs.1.50 Lakh	50%	Rs. 1.20 lakh	40%
(iv) Balers (Round) (14-16 kg per bale)	Rs.2.00 Lakh	50%	Rs. 1.60 lakh	40%
(v) Balers (Round) (above 16-25 kg per bale)	Rs.5.50 Lakh	50%	Rs. 4.40 lakh	40%
(vi) Balers (Round) (180-200 kg per bale)	Rs.9.00 Lakh	50%	Rs. 7.20 lakh	40%
(vii) Baler (Rectangular 18-20 kg per bale)	Rs.6.00 Lakh	50%	Rs. 4.80 lakh	40%
(viii) Wood chippers	Rs.1.25 Lakh	50%	Rs. 1.00 lakh	40%
(ix) Sugarcane ratoon manager	Rs. 1.25 Lakh	50%	Rs. 1.00 lakh	40%
(x) Cotton stalk uprooter	Rs.0.75 Lakh	50%	Rs. 0.60 lakh	40%
(xi) Straw reaper	Rs.1.30 Lakh	50%	Rs. 1.04 lakh	40%
(xii) Feed block machine (above 200 kg/hr)	Rs.3.00 Lakh	50%	Rs. 2.40 lakh	40%
(xiii) Stubble shaver	Rs.0.80 Lakh	50%	Rs. 0.64 lakh	40%
Straw Chopper/Shredder/Mulcher				
(xiv) Mounted type 5 ft	Rs.0.672 Lakh	50%	Rs. 0.538 lakh	40%
(xv) Mounted type 6 ft	Rs.0.728 Lakh	50%	Rs. 0.582 lakh	40%
(xvi) Mounted type 7 ft	Rs.0.784 Lakh	50%	Rs. 0.627 lakh	40%
(xvii) Mounted type 8 ft	Rs.0.840 Lakh	50%	Rs. 0.672 lakh	40%



Type of Agricultural Machinery * , \$	For SC, ST, Small & Marginal farmers, Women and NE States beneficiary		For other beneficiary	
	Maximum Permissible subsidy per Machine/ Equipment per beneficiary	Pattern of Assistance	Maximum Permissible subsidy per Machine/ Equipment per beneficiary	Pattern of Assistance
(xviii) Trailed type	Rs.1.26 Lakh	50%	Rs. 1.01 lakh	40%
(xix) Combo type	Rs.1.40 Lakh	50%	Rs. 1.12 lakh	40%
(xx) Super Straw Management System (Super SMS) To be attached with Combine harvester to	Rs.0.56 Lakh	50%	Rs. 0.45 lakh	40%
(xxi) Shrub Master/Cutter cum spreader	Rs.0.25 Lakh	50%	Rs. 0.18 lakh	40%
(xxii) Rotary Straw slasher	Rs.0.25 Lakh	50%	Rs. 0.18 lakh	40%
(xxiii) Briquette Making Machine (500-1000 kg/hr capacity)	Rs.5.00 Lakh	50%	Rs. 4.00 lakh	40%
All manual /animal drawn equipment/implements/Tools				
A.Land Development , tillage and seed bed preparation equipments: (i) MB Plow (ii) Disc Plow (iii) Cultivator (iv) Harrow (v) leveler Blade (vi) Furrow opener (vii) Ridger (viii) Puddler	Rs. 0.10 lakh	50%	Rs. 0.08 lakh	40%
B. Sowing and Planting Equipments: (i) Paddy planter, (ii) Seed cum fertilizer drill, (iii) Raised Bed Planter, (iv) Planter, (v) Dibbler (vi) Equipments for raising paddy nursery (vii) Marker for SRI (viii) Seed treating drum (ix) Rice-wheat seeder	Rs. 0.10 lakh	50%	Rs. 0.08 lakh	40%
(x) Drum Seeder (Below 4 Row)	Rs. 0.03 lakh	50%	Rs. 0.025 lakh.	40%
(xi) Drum Seeder (Above 4 Row)	Rs.0.04 lakh	50%	Rs. 0.030 lakh	40%



Type of Agricultural Machinery * , \$	For SC, ST, Small & Marginal farmers, Women and NE States beneficiary		For other beneficiary	
	Maximum Permissible subsidy per Machine/ Equipment per beneficiary	Pattern of Assistance	Maximum Permissible subsidy per Machine/ Equipment per beneficiary	Pattern of Assistance
C. Harvesting & Threshing Equipments: (i) Ground Nut Pod Stripper (ii) Thresher (iii) Winnowing fan (iv) Tree climber (v) Horticulture Hand tools (vi) Maize sheller (vii) Feed block machine (ix) Spiral grader (x) Chaff Cutter (upto 3')	Rs.0.10 lakh	50%	Rs. 0.08 lakh	40%
(xi) Chaff Cutter (above 3')	Rs.0.063 lakh	50%	Rs. 0.05 lakh	40%
D. Inter Cultivation Equipments: (i) Grass Weed Slasher, (ii) Weeder, (iii) Conoweede (iv) Garden Hand Tools	Rs. 0.012 lakh	50%	Rs. 0.010 lakh	40%
Self Propelled/other Power Driven Horticultural Machinery Chain Saw /Wheel Barrow /Mango Grader/Planter and other suitable self propelled machineries and equipments for horticulture crops.	Rs.0.75 lakh	50%	Rs.0.60 lakh	40%
Manual Horticultural equipments				
(i) Aluminium Ladder/Ladder	Rs.0.15 lakh	50%	Rs.0.12 lakh	40%
(ii) Aluminium Pole				
(iii) Plucker				



Type of Agricultural Machinery * , \$	For SC, ST, Small & Marginal farmers, Women and NE States beneficiary		For other beneficiary	
	Maximum Permissible subsidy per Machine/ Equipment per beneficiary	Pattern of Assistance	Maximum Permissible subsidy per Machine/ Equipment per beneficiary	Pattern of Assistance
Post Harvest Equipments for food grains ,oil Seeds and Horticultural Equipments	Rs.1.80 lakh	60%	Rs.1.50 lakh	50%
Establishment of PHT units for transfer of primary processing technology, value addition, low cost scientific storage, packaging units and technologies for by-product management in the production catchments.				
(i) Mini Rice Mill	Rs.2.40 lakh	60%	Rs.2.00 lakh	50%
(ii) Mini Dal Mill	Rs.1.50 lakh	60%	Rs.1.25 lakh	50%
(iii) Millet Mill	Rs.5.40 lakh	60%	Rs.4.50 lakh	50%
(iv) Oil Mill with filter press(for all types of Horticulture/Food grain/oilseed crop)	Rs.3.00 lakh	60%	Rs.2.50 lakh	50%
(v) Extractor (for all types of Horticulture/Food grain/oilseed crop)	Rs.1.80 lakh	60%	Rs.1.50 lakh	50%
(vi) Pomegranate Aril Extractor	Rs.1.80 lakh	60%	Rs.1.50 lakh	50%
(vii) Custard Apple Pulper (for all types of Horticulture/Food grain/oilseed crop)	Rs. 1.80 lakh	60%	Rs.1.50 lakh	50%
(viii) Dehydration unit/Pricking Machine/Humidifier (for all types of Horticulture/Food grain/oilseed crop)	Rs.1.80 lakh	60%	Rs.1.50 lakh	50%
(ix) Packing Machines(for all types of Horticulture/Food grain/oilseed crop)	Rs.3.00 lakh	60%	Rs.2.40 lakh	50%
(x) All types of Power driven Dehuskar /sheller /Threshers /Harvesters / De-spiking/ Deconing Machine/Peeler/ Spliter /Stripper(for all type of Horticulture / food grain/oil seeds Crops)	Rs.0.75 lakh	60%	Rs.0.60 lakh	50%



Type of Agricultural Machinery * , \$	For SC, ST, Small & Marginal farmers, Women and NE States beneficiary		For other beneficiary	
	Maximum Permissible subsidy per Machine/ Equipment per beneficiary	Pattern of Assistance	Maximum Permissible subsidy per Machine/ Equipment per beneficiary	Pattern of Assistance
(xi) All types of Boiler/Steamer/Drier (for all types of Horticulture/Food grain/oilseed crop)	Rs.1.00 lakh	60%	Rs.0.80 lakh	50%
(xii) All types of Solar Driers (for all type of Horticulture / food grain/ oil seeds Crops) with floor area of about 400 to 1000 sq. feet.	Rs.3.50 lakh	60%	Rs.3.00 lakh	50%
(xiii) All types of Washing Machines(for all types of Horticulture/Food grain/oilseed crop)	Rs.0.60 lakh	60%	Rs.0.50 lakh	50%
(xiv) All types of Grinder/Pulveriser/ Polisher (for all types of Horticulture/Food grain/oilseed crop)	Rs.0.60 lakh	60%	Rs.0.50 lakh	50%
(xv) All types of Cleaner cum Grader/ Gradient separator /specific gravity separator (for all types of horticulture/Food grain/oilseed crop)	Rs.1.00 lakh	50%	Rs.0.80 lakh	40%
Plant Protection Equipments				
(a) Manual sprayer: Knapsack/foot operated sprayer.	Rs. 0.0075 lakh	50%	Rs. 0.006 lakh.	40%
(b) Powered Knapsack sprayer/Power Operated sprayer (capacity 8 - 12 lts):	Rs. 0.031 lakh	50%	Rs. 0.025 lakh	40%
(b) Powered Knapsack sprayer/Power Operated sprayer (capacity above 12- 16 lts):	Rs. 0.038 lakh	50%	Rs. 0.03 lakh	40%
(c) Powered Knapsack sprayer/Power Operated sprayer (capacity above 16lts	Rs. 0.05 lakh	50%	Rs. 0.04 lakh	40%
(d) Tractor Operated Sprayer (air carrier/assisted)	Rs. 1.25 lakh	50%	Rs. 1.00 lakh	40%
(e) Tractor Operated Sprayer (boom type):	Rs. 0.37 lakh	50%	Rs. 0.28 lakh	40%
(f) Eco Friendly Light Trap	Rs. 0.015 lakh	50%	Rs. 0.012 lakh	40%
(g) Tractor Operated Electrostatic Sprayer	Rs. 2.50 lakh	50%	Rs. 2.00 lakh	40%



Type of Agricultural Machinery * , \$	For SC, ST, Small & Marginal farmers, Women and NE States beneficiary		For other beneficiary	
	Maximum Permissible subsidy per Machine/ Equipment per beneficiary	Pattern of Assistance	Maximum Permissible subsidy per Machine/ Equipment per beneficiary	Pattern of Assistance
(h) Bird Scarer	Rs. 0.75 lakh	50%	Rs. 0.60 lakh	40%
Specialized Agricultural Machinery				
(a) Solar operated/electric operated animal deterrent bioacoustics equipment (with solar panel)	Rs. 0.35 lakh	50%	Rs. 0.28 lakh	40%
Solar operated/electric operated Animal deterrent bioacoustics equipment (without solar panel)	Rs. 0.25 lakh	50%	Rs. 0.20 lakh	40%
Solar operated/electric operated Hydro ponic machine for raising nursery of crops	Rs. 6.00 lakh	50%	Rs. 4.80 lakh	40%

PTO – Power Take Off

- * Illustrative list of the equipments tested from FMTTIs & other designated Institutes may be referred at www.farmech.gov.in
- ** All tested equipments from either FMTTIs or designated Institute from DAC are only eligible for subsidy in all states under Government assisted programme
- # These Agricultural Implements authorized to test at designated Institute from DAC&FW.
- \$ These Agricultural machinery authorized to test at FMTTIs.
& Designated Institutes notified for special equipments by separate notification by DAC&FW.
- ◆ Any extra equipment proposed by States would be considered by DAC&FW under the appropriate category of assistance
- ◆ Please also refer para 11.1.3 for details on guidelines of testing.
- ◆ The cost subsidy applicable will be limited to the %age of the cost of the machine fixed or max. permissible subsidy per machine as indicated above, whichever is lower.



10

TRAINING AND EXTENSION FOR FARMERS

What to do?

- ◆ 24,000 @ per block (1 BTM+ 3ATM) Extension functionaries dedicated for agricultural extension are being provided at the Block level and below, under the Extension Reforms scheme ATMA. Contact them or any other functionary of the State Government in agriculture and allied departments to get answers for your queries, information about any Programme/ Scheme and appropriate technologies for the area or individual farmer.
- ◆ Set up or participate in Farm School or Demonstration Plot.
- ◆ Get exact information from the web and get your farm registered through hand-held device.
- ◆ Tune in to agriculture related programmes on Doordarshan (18 Regional, 1 National, 180 Low Power Transmitters), FM Radio Stations (96) kisan channel or even some private channels to get latest knowledge and information.
- ◆ Contact the nearest Kisan Call Centre (KCC) on toll free number 1800-180-1551 for answers to your specific queries through the KCC agents or through senior experts from 6 AM to 10 PM on all 365 days in a year.
- ◆ Students with agriculture qualification can get 2 months training free of cost and can establish Agri-Clinic/Agri-Business Centre with the help of bank loan alongwith36% Subsidy (44% in case of SC/ST/ North East and Hill Regions/Women).
- ◆ Participate in exposure visits and trainings for progressive farmers.
- ◆ Get selected information & services from the web through interactive SMS (USSD) without internet on your mobile.
- ◆ Access Farmers' Portal directly or through an Internet Kiosk/a Common Service Centre to get location specific information (including package of practices, list of dealers, crop advisories etc.) Benefit from SMS Portal for Farmers by getting registered through Kisan Call Centre or Common Service Centre or Pull SMS (KISAAN REG <Your Name>,<first four characters of State>,<first four characters of District>,<first four characters of block>) at 51969 or 9212357123





What You Can Get?

A : Assistance for Training & Capacity Building of Farmers

S.No.	Type of Assistance	Pattern of Assistance for the activity	Scheme/ Component
1.	Training of groups of 50-150 farmers on seed production and seed technology aspect.	Rs. 15,000/- per group	Seed Village Programme (SMSPI)
2.	Assistance for training on seed production and seed technology for a group of 50 to 150 farmers.	Rs. 15,000 per training (i) At the time of sowing of seed crop: training on seed production technique, isolation distance, sowing practices and other agronomic practices. (ii) At the time of flower initiation stage of the crop. (iii) After harvest and at the time of seed processing	Certified seed production of oilseeds, pulses, fodder and green manure crops through Seed Village Programme, SMSPI
3.	Training of Farmers in recognized institutes (stipend, boarding, lodging and to & fro transportation cost would be provided to farmers).	Rs. 5200/- per farmer per month	Post Harvest Technology Management
4.	Farmers' training	Rs. 24,000/- per training for 2 days for 30 farmers per batch (@ Rs. 400/- per farmer per day).	NMOOP
5.	Training on plant protection measures to group of 40 farmers	i) Rs. 29,200/- per Farmer Field School of NGOs/Private Bodies ii) Rs. 26,700/- in case of state govt. organizations.	Plant Protection Scheme
6.	Training on Repair, Maintenance, Operation and selection of various Agricultural Machinery & Equipments and Post Harvest Management	Rs. 4000/- per person per week	Sub-Mission on Agricultural Mechanization (SMAM)



S.No.	Type of Assistance	Pattern of Assistance for the activity	Scheme/ Component
7.	2 days training of farmers on Vegetable Production and Related Areas	Rs.1500/- training/ farmer excluding transport	Vegetable Initiative for Urban Clusters(VIUC)
8.	Promotion of Farmers' Associations/ Groups of 15-20 farmers and tie up with Financial Institutions and Aggregators	Rs. 4075/- per farmer in three installments spread over 3 years	VIUC
9.	Organization of awareness programme for the farmers on the Gramin Bhandaran Yojana by National Institute of Agricultural Marketing (NIAM),Jaipur (for 3 days duration)	Rs. 30,000/ programme	Gramin Bhandaran Yojana
10.	Training of farmers outside the state upto 50 man-days / block	Rs. 1250/ farmer per day which includes transportation, boarding and lodging of farmers	ATMA Scheme, Sub schemes NHM/HMNEH under MIDH
11.	Training of farmers within the State(100 man-days / block)	Rs. 1000 /- per farmer per day which includes transportation, boarding and lodging of farmers	ATMA Scheme
12.	Training of farmers within the district (1000 man-days per block)	Rs.400/- farmer per day which includes transportation, boarding and lodging of farmers for residential training; otherwise, Rs. 250 /- per farmer per day if training is not residential	ATMA Scheme, Sub schemes NHM/HMNEH under MIDH
13.	Organization of demonstrations (125 demonstrations per block)	Upto Rs.4000/- per demonstration plot (0.4 hectares)	ATMA Scheme
14.	Farm School (Training to 25 farmers per season at six critical stages of crop).	Rs. 29,414 /- per Farm School	ATMA Scheme
15.	Exposure Visit of farmers outside the state for 7 days (4 farmers per block)	Rs. 1000/- farmer per day which includes transportation, boarding and lodging of farmers	ATMA Scheme



S.No.	Type of Assistance	Pattern of Assistance for the activity	Scheme/ Component
16	Exposure visit of farmers within the State for 5 days (32 farmers per block)	Rs. 500 /- per farmer per day which includes transportation, boarding and lodging of farmers	ATMA Scheme, Sub schemes NHM/HMNEH under MIDH
17.	Exposure Visit of farmers within the District not exceeding 3 days (100 farmers per block)	Rs.300/ farmer/ day which includes transportation, boarding and lodging of farmers	ATMA Scheme
18.	a) Capacity building, skill development of farmers' groups and for other support services(for 20 groups per block) b) Seed Money to these groups as one-time grant for taking up income generating activity c) Food Security Groups (2 groups/block)	Rs. 5000 per group Rs. 10,000/group Rs. 10,000/group	ATMA Scheme
19.	Front Line Demonstrations (FLD) in selected villages by Soil Testing Laboratories (STLS) Front Line Demonstration (FLD) Front Line Demonstration (FLD) conducted by ICAR Institutes	Rs. 20,000/- per demonstration 100% of assistance to ICAR and ICRISAT with a ceiling of Rs. 12,000/- per ha for groundnut, Rs. 7,500/- per ha for soyabean, rapeseed, mustard, sunflower, Rs. 6,000/-per ha for sesame, safflower, niger, linseed and castor and Rs. 5000/-per ha . Maximum of one demonstration will be allowed to one farmer for an area of one hectare under each crop. Size of the FLD plot will be one hectare but not less than 0.4 hectare.	National Project on Management of Soil Health & Fertility National Food Security Mission (Oil Seed & Oil Palm)



S.No.	Type of Assistance	Pattern of Assistance for the activity	Scheme/ Component
	(i) Rice, Wheat and Pulses (ii) Coarse Cereal/Nutri-Cereals 2. Cluster Front Line Demonstration (FLD) of Pulses through KVKs	Rs. 9000/- per ha Rs. 6000/- per ha Rs. 9000/- per ha	NFSM NFSM NFSM
20.	Demonstrations of Improved Packages of Practices by states (i) Rice & Wheat (ii) Pulses (iii) Coarse Cereal /Nutri-Cereals Cropping system based demonstrations by states only (i) Rice (ii) Wheat & Pulses	Rs. 9000/- per ha Rs. 9000/- per ha Rs. 6000/- per ha Rs. 15000/- per ha Rs. 15000/- per ha	NFSM &BGREI NFSM NFSM NFSM &BGREI NFSM
21.	Field level Demonstration on alternative retting technologies (Jute Crop)	Rs. 20000 per demonstration (Rs. 17,000/- for inputs and Rs. 3000/- for contingency)	NFSM: Commercial crop Jute
22	FLD on production technologies / intercropping (Jute Crop)	Rs. 9000 per ha. (Rs. 8000 for inputs &Rs. 1000 for contingency)	NFSM :Commercial crop Jute
23.	Front Line Demonstration on ICM (Integrated Crop Management)	Rs. 8000 per ha. (Rs. 7000 for inputs and Rs. 1000 for contingency)	NFSM : Commercial Crop Cotton
24.	Front Line Demonstration on Desi and ELs Cotton and ELs Cotton Seed Production	Rs. 9000 per hectare (Rs. 8000 for inputs and Rs. 1000 for contingency)	NFSM : Commercial Crop Cotton
25.	Front line Demonstration on intercropping	Rs. 8000 per hectare (Rs. 7000 for inputs and Rs. 1000 for contingency)	NFSM : Commercial Crop Cotton



S.No.	Type of Assistance	Pattern of Assistance for the activity	Scheme/ Component
26	Trials on High Density Planting System	Rs. 10,000 per ha (Rs. 9,000 for inputs and Rs. 1000 for contingency)	NFSM : Commercial Crop Cotton
27	Demonstration on intercropping and single bud chip technology with sugarcane.	Rs. 9000 per ha. (Rs. 8000 for inputs and Rs. 1000 for contingency).	NFSM : Commercial crop Sugarcane.
28.	Cropping system based training-A group of 30 farmers in 4 session of each training at the beginning of each Kharif and Ravi season and one each in Rice/ Wheat/Pulses/Nutri-Cereals.	Rs. 3500/- per session or Rs. 14000/-per training	NFSM &BGREI
29.	Training on selection, operation and maintenance of tractors and other agricultural machines	Stipend of Rs. 1200/ per farmer along with to and fro charges in ordinary class and also free lodging for user level course for the duration of one week to six weeks	Promotion and Strengthening of Agricultural Machines through Training, Testing and Demonstration
30.	Block demonstration on fields	Rs. 10,000/- per ha. for groundnut, Rs. 6000/- per ha. for Soyabean, Rs. 3000/- per ha for Rapeseed, Mustard, Sesame, Linseed & Niger and Rs. 4000/- for Sunflower.	NMOOP
31.	Training to farmers including field demonstrations; Capacity building of stakeholders/farmers through field visits on concept of Integrated Farming, Climate change adaptation, Good Agriculture Practices on soil, water and crop management.	Rs. 10,000 per training session for 20 participants or more. Rs. 20,000 per demonstration for a group of 50 participants or more.	RAD component of NMSA
32.	Training and Demonstration on Soil Health	Training to farmers including field demonstrations; Rs. 10,000/-per training session for 20 participants or more. Rs. 20,000/-per Front Line Field Demonstration	do

Whom to Contact?

District Agriculture Officer / District Horticulture Officer / Project Director ATMA



Skill Development Programmes

Salient Features

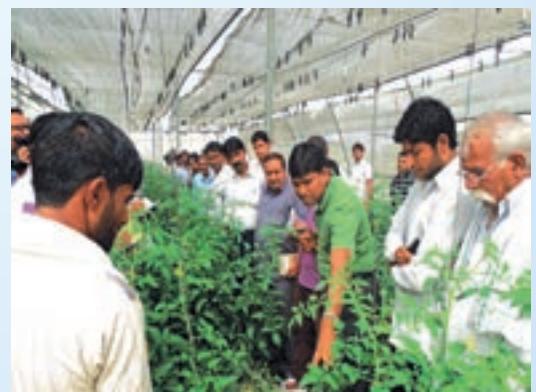
- Skill Development training courses for rural youth and farmers to create skilled manpower in the agriculture & allied sectors.
- 200 hours and more duration courses leading to wage employment and self employment.
- Qualification Packs (QPs) for Skill Training Courses developed by Agriculture Skill Council of India (ASCI) being adopted by the DAC&FW and ICAR.
- In 2017-18, skill development courses of 200 hours duration (25-30 days duration) to be conducted through selected Krishi Vigyan Kendra (KVKs), State Agricultural Universities, ICAR institutes and National Level institutes of DAC&FW.
- Training by qualified & certified trainers.
- Third party assessment by the Agriculture Skill Council of India (ASCI).
- Certification by Ministry of Agriculture & Farmers Welfare (MoA & FW) and Agriculture Skill Council of India (ASCI).

Pattern of Assistance :

- All these courses are free of cost for rural youth and farmers.
- Selection of candidates is made by the concerned training institutes (KVKs/Agricultural Universities and ICAR Institutes and Institutes under DAC&FW)

Whom to Contact ?

- Programme Coordinator of selected Krishi Vigyan Kendras at district level/ICAR Institute/State Agriculture Universities.
- Agriculture Skill Council of India (ASCI) – www.asci.india.com, agricoop.nic.in





Diploma in Agricultural Extension Services for Input Dealers (DAESI)

Agri-Input dealer with zeal to serve farmers and to up-grade technical skills for significant contribution to enhance crop production & farmer's income.

Features

- Launched in October, 2015 to impart training to Input Dealers on crop production technologies and laws related to regulation of agricultural inputs.
- One year training course in 48 Class Room Sessions (40 Theory + 8 Field Visits) to transform Input Dealers into para-extension workers for effective transfer to technology to farmers.

Pattern of Assistance :

- Course fee Rs. 20,000/- subsidy upto 10,000/- by Government of India per input Dealer.
- Agri-Input Companies can also sponsor their Input Dealers by bearing 50% of Training Cost.

Whom to Contact ?

- Courses are organised by Krishi Vigyan Kendra, State Agricultural Universities, approved training centres and State Agriculture Management & Extension Training Institute (SAMETI).

For more information please visit:

Director General, National Institute of Agricultural Extension Management (MANAGE), Hyderabad, Phone Number : 040-2401525
www.manage.gov.in, www.agricoop.nic.in; www.agriculture.gov.in





Agri-Clinics and Agri-Business Centres (AC&ABC) Scheme

Agri-Clinics and Agri-Business Centres (AC&ABC)" has been under implementation since April, 2002 to supplement the efforts of public extension, support agricultural development and create gainful self-employment opportunities to unemployed youths with qualification in agriculture and allied sectors.

Features:

- The National Institute of Agricultural Extension Management (MANAGE), Hyderabad is the implementing agency for Training Components.
- National Bank for Agriculture and Rural Development (NABARD) is the implementing agency for Subsidy Component of AC&ABC scheme.
- Residential training of 60 days duration is imparted to unemployed candidates who possess degree/diploma in agriculture and allied subjects, intermediate in agriculture and science graduates with PG in agriculture related courses through selected Nodal Training Institutes (NTIs) in various parts of the country.

Pattern of Assistance :

- There is a provision of credit linked back-ended upfront composite subsidy on the bank loan availed by trained candidates under the Scheme. The subsidy is 44% in respect of women, SC/ST and all categories of candidates from North-Eastern and Hill states and 36% in respect of other categories.
- The subsidy is admissible for loans upto Rs. 20 Lakh in case of individual and Rs. 100 lakh in case of Group Projects (for ventures set up by a group of 5 trained candidates).

Whom to Contact ?

For more information please visit:

Director General, National Institute of Agricultural Extension
Management (MANAGE), Hyderabad, Phone Number : 040-2401525
www.manage.gov.in, www.agricoop.nic.in; www.agriculture.gov.in



Kisan Call Centre (KCC)

Features

- **Kisan Call Centre (KCC) Started on 21st January, 2004**
- Nationwide single toll free number : **1800 180 1551.**
- KCC is Operational 365 days from 6 AM to 10 PM.
- Reply of farmers queries are given in 22 languages from 21 locations in the country.
- All states and UTs covered.
- Queries which can not be answered by Farm Tele Advisors (FTAs) are transferred to higher level experts in a call conferencing mode.
- SMS sent to caller farmers giving a gist of answers given by the KCC, FTAs.

Ministry of Agriculture & Farmers Welfare

Celebrated KCC Foundation Day on 21st January 2018 accross the Country





Information and Communication Technology (ICT)

mKisan Portal

Department has developed a portal - mkisan(mkisan.gov.in), where around 4.23 crore farmers are registered and experts/scientists of different departments like IMD, ICAR, State Government, State Agriculture Universities send information to farmers in local languages.

Weather information about likelihood of rainfall, temperature, etc. enables farmers to make informed decision in choice of seed varieties, decide on timing of sowing and harvesting. With market information, farmers are better informed about markets to sell produce, prevailing market prices and quantity demanded in the market. Thus, they can make informed decisions to sell produce at the right price and right time. This helps reducing distress sales by farmers due to market supply fluctuations.

Farmers Portal:

Farmers' Portal is a one stop shop for farmers where a farmer can get relevant information on range of topics including seeds, fertilizer, pesticides, credit, good practices, dealer network, availability of inputs, agromet advisory etc. This information can be drilled down through the pictorial view of Map of India placed on the Home page as well.

The screenshot shows the homepage of the mKisan Portal. At the top, there's a decorative header with agricultural icons. Below it is a blue navigation bar with links for Home, Farmers, JAM, Market, Kisan, KCC, Buyer Seller, Mobile Apps, and Helpdesk. A banner below the bar displays three news items. The main content area has several sections: a 'Search' sidebar with links for About mKisan, Dashboard, Registration for SMIS, Accessibility, Reward SMIS Policy, and Reward SMIS Policy As On 1.6.2018; a 'Data 31st May 2013' section showing statistics (No. of SMIS: 21, 56, 93, 96, 251; No. of Farmers: 4, 23, 40, 524; Advisory Count: 4, 05, 248); a 'LIVE MESSAGES' section with two messages from IIMT and IISER; and a 'Login Interface' section with fields for User Name, Enter or Mobile, Password, and a math puzzle (2 + 3 = 5). There are also links for Forget Password, Helpdesk, New User, Create New User, and Chat Link to Sign Up.



Kisan Suvidha:

- Kisan Suvidha mobile app can be used to provide relevant information to farmers through mobile. Information on following parameters can be made available to farmer: Weather, Market Prices, Plant Protection, Agro-advisory, Extreme Weather Alerts, Dealers – Seed, Pesticide, Fertilizer, Farm Machinery, Call to Kisan Call Centre, Soil Health Card, Cold Store & Godowns
- It is available in 7 languages: English, Hindi, Tamil, Gujarati, Oriya, Punjabi, Marathi
- Farmer can download Kisan Suvidha app through Google Play Store and access all the information free of cost.





11

AGRICULTURAL CREDIT

What to do?

- To save themselves from the clutches of money lenders, farmers can avail loan facility from banks.
- Loan facility is available through a large network of Commercial Banks, Regional Rural Banks (RRBs) and Cooperative Credit Institutions in the country to fulfill the crop loan and term loan needs of the farmers.
- Ensure timely repayment of bank loan.
- Proper record of loan should be maintained by farmer.
- Utilize the bank loan for actual purpose for which bank loan is taken.



What You Can Get?

A: Credit Facility to Farmers

S.No.	Credit Facility	Quantum of Assistance
1	Interest Assistance Collateral/ security-free loan	Crop loan upto Rs.3 lakhs at 7% rate of interest. This interest rate becomes 4% due to 3% interest subvention incentives provided to those farmers who repay crop loan on time No need of collateral security for farm loan up to Rs.1 lakh
2	Kisan Credit Card	Farmers can avail crop loan through Kisan Credit Card. Loan /credit limit is fixed on the basis of crop sown and area under cultivation. Kisan Credit Cards are valid for 3-5 years. Farmers are also provided risk coverage in the event of accidental death/disability. Crop coverage loans are covered under the Crop Insurance Scheme.
3	Investment Loan	Loan facility to the farmers is available for investment purposes in the areas viz. Irrigation, Agricultural Mechanization, Land Development, Plantation, Horticulture and Post-Harvest Management



B : Price Policy for Agricultural Commodities – Price Support Scheme (PSS) for Procurement of Oilseeds, Pulses & Cotton under Minimum Support Price (MSP)

Name of the Scheme	Objectives	Beneficiary	Implementing Agency	Commodities covered under Scheme	Likely Benefit to the growers	Pattern of Assistance
Price Support Scheme (PSS)	To provide remunerative/guaranteed prices to the oilseeds, cereal, copra, sugarcane and raw jute. Pulses & cotton growers in case of price fall below the Minimum Support Price (MSP) declared by Government of India in both crop seasons i.e. Rabi & Kharif every year.	All the cereals oilseeds, pulses & cotton, copra, sugar-cane and raw jute growers of the country.	(i) Central Agencies - NAFED & Small Farmers Agri-business Consortium (SFAC). (ii) State Agencies – State Cooperative Marketing/Commodities Federations and any other organization appointed by the Central Agencies at State Level. (iii) Primary Agencies – Cooperative Marketing Societies, Farmer Producer Organizations (FPO), Farmer Producer Companies (FPC) at village level.	CACP recommends MSPs of 23 commodities, which comprise 7 cereals (paddy, wheat maize, sorghum, pearl millet, barley and ragi), 5 pulses (gram, tur, moong, urad, lentil), 7 Oilseeds (groundnut, rapeseed-mustard, soyabean, seasmum, sunflower, safflower, nigerseed), and 4 commercial crops (copra, sugarcane, cotton and raw jute).	Through Price support Scheme (PSS) operations, farmers are assured to get minimum guaranteed price in case the market price of that particular commodity falls below the MSP	(i) Farmers– MSP for the specific commodity is fully paid to the farmers, in case the prices rule below the MSP. (ii) Central Agencies – Losses incurred to the central agencies are fully reimbursed by the Government of India. Besides, service charges @ 2.5% on the procurement cost for Copra and 1.5% for oilseeds, pulses & cotton are also paid to the central agencies. (iii) State /Primary Agencies – The difference between MSP and Ruling Price along with all expenses up to the storage points are paid to the State agencies by Central agencies/Government of India. Besides, 1% service charge at the ex-godown cost is also paid.

Whom to Contact?

- Joint Secretary (Cooperation), Department of Agriculture Cooperation and Farmers Welfare, Krishi Bhawan, New Delhi.
- Regional Offices of NAFED & SFAC located in State Capitals.
- District Level Offices of Cooperative Marketing/Commodities Federations.
- Marketing Cooperative Societies at Tehsil Level and FPOs /FPCs at Block Level.



Minimum Support Price (MSP)

The MSP of oilseeds, pulses & cotton are declared by Government of India in the month of June and October (twice in a year) before the sowing of Rabi & Kharif Crops so that the farmers can take a considered view on sowing these crops. At harvesting time, farmers can compare the market price prevailing in the area with the MSP declared by Government of India and if the market price falls below the MSP, he / she may immediately approach the authorities for procurement operations.

Government of India has fixed the Minimum Support Price for the Kharif Crops of Fair Average Quality for 2018-19 Season

Sl. No.	Variety	MSP
1.	Paddy (Common)	1750
	Paddy Grade-A	1770
2.	Jowar (Hybrid)	2430
	Jowar (Maldandi)	2450
3.	Bajra	1950
4.	Maize	1700
5.	Ragi	2897
6.	Toor (Arhar)	5675
7.	Moong	6975

Sl. No.	Variety	MSP
8.	Urad	5600
9.	Cotton (Medium Staple)	5150
	Cotton (Long Staple)	5450
10.	Groundnut with Shell	4890
11.	Sunflower Seed	5388
12.	Soyabean	3399
13.	Sesamum	6249
14.	Nizerseed	5877

This includes all the costs paid, such as rent for human labor, bull labor / machine labor, lease rent for land, seed, fertilizer, irrigation charges, expenditure incurred on the use of physical inputs and farm buildings, Diesel / electricity, diversified expenditure and alleged value of family labor for the operation of interest on working capital, pump sets etc.

Pradhan Mantri Annadata Aay Sanrakshan Abhiyan (PM-AASHA)

- The Union Cabinet approved new Umbrella Scheme 'Pradhan Mantri Annadata Aay Sanrakshan Abhiyan: PM-AASHA' on 12th Sept, 2018.
- The Scheme is aimed at ensuring remunerative prices to farmers for their produce as announced in the Union Budget for 2018.
- This step is a major boost to the pro-farmers initiative of the Government.
- The new Umbrella Scheme is comprised of Price Support Scheme, Price Deficiency Payment Scheme and Pilot of Private Procurement and Stockist Scheme.
- This step aims at protecting the farmers' income which is expected to go a long way towards the welfare of farmers.



12

PLANT PROTECTION

What to do?

- Bio-pesticides should be given priority over chemical pesticides.
- Pest Defender ratio to be assessed by farmers before using any pesticide. Agro Eco System Analysis (AES) based Integrated Pest Management should be adopted.
- Grow such crops surrounding/near the main crop (inter cropping/border cropping) which attract farmer friendly insects which can manage/kill harmful insects.
- Resort to deep ploughing during summer season.
- Use pest resistant varieties of crops and manage pests by adopting crop rotation, inter cropping and trap-cropping.
- Use light trap/sticky trap/pheromone trap for monitoring and mass trapping of the pests.
- Use parasitoids and predators for biological control of the insects/pests and antagonists for diseases and bioagents for weed managements.
- Use chemical pesticides only if the above listed measures are not effective, that too as per the recommendation of the experts.



Following precautions should be taken while using pesticides.

- Follow all the prescribed safety precautions while using pesticides.
- While spraying the pesticides, always wear safety gadgets like mask, hand-gloves etc.
- Always spray in the direction of wind and keep yourself safe from the spray drift.
- Always keep pesticides, plant protection equipment etc. under lock and key away from children and pets.
- While purchasing pesticides, you must see the packing and validity date of the chemical.
- In case of any pesticide poisoning, immediately contact a doctor, also carry the empty container and information booklet of the pesticide used.
- Pesticides should be used as per the instructions on the label.
- Disposal of used containers should be as per the instructions given in leaflet.



What You Can Get?

S.No.	Type of Assistance	Quantum of Assistance	Scheme/Component
1.	Directorate of Plant Protection, Quarantine & Storage, Faridabad in Haryana, through its 35 Central IPM Centres, located across the country, organizes various programmes. These programmes are purely being run for the benefit of farmers. These programmes are as follows:		
a.	<p>Two days training programme for farmers, NGOs, pesticide dealers held under the supervision of CIPMC in villages, towns and cities.</p> <p>Five days training programme for progressive farmers and extension officers held under the supervision of CIPMC in State-run institutions.</p>	Rs. 71,000/- per training	Green Revolution (Krishonatti Yojana) Sub Mission on Plant Protection and Plant Quarantine (SMPP)
b.	Farmers Field School organized through various Central Integrated Pest Management Centres(CIPMC)	Rs. 3,30,600/- per training programme	
c.	Farmers Field School through Krishi Vigyan Kendras (KVK)	Rs. 85,900/- per field school	
d.		Rs. 90,800/- per field school	
2.	Farmer Field School (FFS) on Oil Seeds	Rs. 26,700/- per FFS	National Food Security Mission (Oil Seed & Oil Palm)
3.	Distribution of plant protection chemicals, bio-pesticides/IPM	Rs. 500 – per ha or 50% of the cost whichever is less	National Food Security Mission & BRREI



S.No.	Type of Assistance	Quantum of Assistance	Scheme/Component
4.	Weedicides	Rs. 500 – per ha or 50% of the cost whichever is less	National Food Security Mission & BRREI
5.	Integrated Pest Management in Horticultural Crops	Limited to 4 hectares per beneficiary @ Rs. 1000 per hectare.	NHM/HMNEH Sub schemes under MIDH

The Financial Assistance for procurement of Plant Protection Equipment under Sub-Mission on Agricultural Mechanization (SMAM) is given under Chapter 9 "Mechanization & Technology" under Plant Protection Equipment and under Mini –Mission –I (Oilseeds) of National Mission on Oilseeds and Oil Palm (NMOOP) .

Whom to Contact ?

District Agriculture Officer / Project Director ATMA





13

SUSTAINABLE AGRICULTURE

What to do?

- Promote crop / cropping system suitable to agro-climatic conditions
- Diversify crop / cropping system adopting livestock, fisheries, horticulture, dairy, agro-forestry etc.
- Create source for protective irrigation through check dams, tanks, farm ponds, shallow / medium tube wells, dug wells etc.
- Technologies for improving water use and moisture conservation measures like efficient water application system, land leveling , field bunding , contour bunding , trenches, mulching , ridge and furrow method etc . to be adopted.



What You Can Get?

Assistance under Rainfed Area Development component of National Mission for Sustainable Agriculture (NMSA)

S.No.	Type of Assistance	Quantum of Assistance	Scheme
A) Integrated Farming System			
1.	Cropping System (CS) with rice, wheat, coarse cereal/oil-seed/fibre/pulse based two crops.	50% of input cost limited to Rs. 10,000/- per ha with permissible assistance of maximum 2 ha per beneficiary.	RAD component of National Mission for Sustainable Agriculture (NMSA)
2.	Horticulture Based Farming System (Plantation + Crops/ Cropping system)	50% of input cost limited to Rs. 25,000/- per ha with permissible assistance of maximum 2 ha per beneficiary.	-do-
3.	Tree/Silvi-Pastural/in-situ/ex-situ conservation of Non Timber Forest Produce (NTFP) (Plantation + Grass/Crops/Cropping System)	50% of input cost limited to Rs. 15,000/- per ha with permissible assistance of maximum 2 ha per beneficiary.	-do-



S.No.	Type of Assistance	Quantum of Assistance	Scheme
4. Livestock Based Farming System			
4.1	Cross Breed Cows + Mixed farming + Fodder Buffalo +Mixed farming +Fodder Cow/buffalo+dairy+fodder cow/buffalo + small ruminants	50% of input cost of Cropping System (CS) including cost of animals with one year concentrated food limited to Rs. 40,000/- per ha (2 milch animals + 1 ha CS)with permissible assistance of maximum 2 ha/beneficiary.	National Mission for Sustainable Agriculture (NMSA)
4.2	Small Ruminant + Mixed farming + Pasture Poultry/duckery + Mixed Farming Poultry/duckery + Fishery + Mixed Farming	50% of input cost of cropping system including cost of animals/birds with one year concentrated food limited to Rs. 25,000/- per ha(10 animals/50 birds + 1 ha Cropping System (CS) with permissible assistance of maximum 2 ha/beneficiary.	-do-
5.	Fishery Based Farming System	50% of input cost of cropping/vegetable system including cost of fish farming limited to Rs. 25,000/- per ha with permissible assistance of maximum 2 ha/beneficiary	-do-
6.	Vermi -compost Units/Organic Inputs Production Unit, Green Manuring	50% of cost subject to a limit of Rs. 125/- per cubic ft. Maximum permissible assistance shall be Rs. 50,000/- per unit for permanent structure and Rs. 8,000 per unit for HDPE vermin bed. 50% of cost limited to Rs. 2,000/- per ha and restricted to 2 ha per beneficiary for green manuring.	-do-



S.No.	Type of Assistance	Quantum of Assistance	Scheme
7.	Silage making for increased availability of green fodder round the year.	<p>Construction of silo Pit of 2100-2500 cubic feet with brick and cement mortar (either below ground or above ground) with provision of Chaff Cutter and Weighing Balance</p> <p>100 % assistance for silage making unit consisting of Silo Pit Chaff cutter and Weighing Balance limited to Rs. 1.25 lakh per farm family.</p>	National Mission for Sustainable Agriculture (NMSA)
8	Post Harvest Storage / Value addition of NTFP	<p>Small village level storage / packaging / processing unit for value addition to the produce of farming system to fetch better economic returns</p> <p>50 per cent of capital cost subject to a limit of Rs. 4000/- per square meter of storage / processing unit. Maximum permissible assistance shall be restricted to Rs. 2 lakh per unit.</p>	-do-

Whom to Contact ?

District Agriculture Officer / District Horticulture Officer / Project Director ATMA





Sub-Mission on Agroforestry under NMSA

"Har Medh Par Pedh"

Tree Planting with Agricultural Crops

What to do?

- Tree plantation on farm land " Har Medh Par Ped", along with crops/ cropping system.
- Multipurpose tree species with short, medium and long term returns be planted, so that farmers may get additional income at regular intervals. These can include fruits, fodder, medicinal, timber & aromatic tree species.
- The scheme is being implemented in the States which exempted selected tree species from transit permit.

What you can get?

S. N.	Type of Assistance	Quantum of Assistance		Scheme
1.	Nursery Development for Production of Quality Planting Material (NDQPM)	Small Nursery (0.5ha): Rs. 10.00 Lakh Big Nursery (1.0 ha): Rs. 16.00 Lakh Hi-tech Nursery: Rs. 40.00 Lakh		Sub-Mission on Agroforestry
2.	Peripheral and Boundary Plantation (PBP)	Maximum of Rs. 70/- per plant The assistance will be given over four years in proportion of 40:20:20:20		-do-
3.	Low Density Plantation on Farm Lands (LDPFL)	Less than 100 plants/ha : As per actual no of plants @ Rs.70/- per plant >100 upto 500 plants/ha : Rs. 28000(or in proportion to planting intensity) The assistance will be given over four years in proportion of 40:20:20:20		-do-
4.	High Density Block Plantation (HDBP)	Magnitude of block Plantations (no of plants/block of 1 ha)	Indicative total cost (Rs) for the block	-do-
		500 to 1000 (spacing 3.5mX3.5m)	30000	
		>1000 to 1200 (spacing 3mX3m)	35000	
		>1200 to 1500(spacing 2.5mX2.5m)	45000	
		>1500(spacing less than 2.5mX2.5m))	50000	
		The assistance will be given over four years in proportion of 40:20:20:20		

Funding pattern 60:40 as GoI: State Govts basis for all States excepting for 8 States of NE Region, the hilly states of Himachal Pradesh, Uttarakhand and Jammu & Kashmir where it would be 90:10 fund sharing. For UTs, the assistance will be 100% from GoI.

Whom to Contact?

District Agriculture Officer / District Forest Officer



National Bamboo Mission (NBM)

NBM will be implemented in non forest Govt and private lands, farmers fields, homesteads, community lands, arable wastelands, and along irrigation canals, water bodies etc.

Interventions with cost norms and funding pattern

S. No.	Tentative Activities	Indicative unit cost (upper limit)(Rs in lakh)	Pattern of assistance	
A	Propagation & Cultivation			
1.	Bamboo Nursery both in Public and by private sectors including strengthen (Project based)	i) Hi-tech (2ha) ii) Big (1ha) iii) Small (0.5ha)	50 16 10	100% of cost to Govt. sector and 50% of cost to private sector as credit linked back ended subsidy
2.	High density Bamboo Plantation on Govt./ panchayat/ community land including waste lands		Rs 1.00 lakh per ha over a period of 3 years	100% of cost to Govt. sector and 50% of the cost upto 2 ha (~<3000 plants), 20% of the cost for 2-4 ha (up to 10000 plants) over 3 years (50:30:20). Additional 10% assistance for NE States for plantation above 4 ha no subsidy will be provided. Maintenance funds will be linked to performance (survival % as per para 10.2.4)
3.	Block plantation/ boundary Plantation on Farmers field		Rs. 1.00 lakh per ha (equivalent to Rs. 240 per plant)	100% of cost to Govt. and 50% of the cost of private Sector over 3 years (50:30:20) maintenance funds will be linked to performance (survival % as per para 10.2.4)
B.	Promotion of bamboo treatment and preservation			
1.	Establishment of bamboo treatment and seasoning plants	in Govt. & Private Sector	20 (Project based)	50% of cost as credit linked back ended subsidy



S. No.	Tentative Activities	Indicative unit cost (upper limit)(Rs in lakh)	Pattern of assistance	
2.	Establishment of carbonisation plants	in Private Sector	30 (Project based)	-do-
3.	Establishment of livelihood business incubators	Govt./ Private Sector	100 (Project based)	100% to Govt. agencies & 50% to private Sector for Purchase of plant & machineries only.
C	Product Development and processing			
1.	Establishment of processing units for value addition of Bamboo (in Nos.)	Setting up of unit for cross cutting, slicing, splitting, knots removing, shaping etc.	30 (Project based)	50% of cost (additional 10% for NE states)
2.	Management of Bamboo waste in primary processing units	For making of value added products like pellets & activated carbon.	25 (Project based)	-do-
3.	Establishment of micro/medium processing units (in Nos.)	Handicrafts/Cottage industry	15 (Project based)	-do-
		Furniture making	25 (Project based)	-do-
		Fabric/Jewellery making	15 (Project based)	-do-
		Bamboo shoots processing	20 (Project based)	-do-
		Incense stick making	25 (Project based)	-do-
		Fabric/Fibre extraction	50 (Project based)	-do-



S. No.	Tentative Activities	Indicative unit cost (upper limit)(Rs in lakh)	Pattern of assistance	
	Common facility centre (CFC)	25 (Project based)	-do-	
	Bamboo board/mat/ corrugated sheets/floor tiles making	200 (Project based)	30% of cost as credit linked back ended subsidy. Additional 10% for NE States.	
	Bio Energy extraction	200 (Project based)	-do-	
	Activated Carbon product	200 (Project based)	-do-	
	Ethanol Gassifier	500 (Project based)	-do-	
D. Promotion and Development of Infrastructure for Bamboo Market				
1.	Establishment of bamboo depots and godowns	In Govt. Sector/Private sector	50 (Project based)	100% of cost in Govt. sector. 25% assistance as credit linked back ended subsidy in for Private sectors (33% for NE States).
2.	Promotion of bamboo mandi (bamboo market place) and e-trading	In Govt. sector/ private sector	100 (Project based)	100% of cost in Govt. sector. 25% assistance in private sectors (33% for NE States).
3.	Rural Haat	Retail direct marketing	20 (Project based)	-do-
4.	Bamboo bazaar	Retail outlets for value added products at prominent places in the state	15 (Project based)	-do-
E. Development of tools, equipment & machinery				
1.	Technological enhancement of indigenous tools, equipment & machinery		Project based	100% grant to Govt. Institutions for development of design etc., 50% grant to those machine making units who are developing these machines



S. No.	Tentative Activities	Indicative unit cost (upper limit)(Rs in lakh)	Pattern of assistance	
2.	Import of technological superior tools, equipment & machinery in Common Facility Centre		-do-	-do-
F.	Skill Development and awareness campaign (upto 5% of allocation)			
i)Training of Farmers/Artisans/field functionaries/international training/visit for exposure of NBM staff/field functionaries including farmers and entrepreneurs in bamboo sector to upcoming technologies/entrepreneurs Training			Project based	100% assistance
ii) Organizing workshop/seminars/training at international/national state/District iii) Participation in domestic trade fairs/ international trade fairs/exhibition etc. including travel+boarding/logging of participating artisans			Project based	100% assistance
			Project based	100% assistance
G	Research & Development (upto 10% of allocation)			
1.	Identification of genetically superior species/varieties	Project based		For private sector upto 10 lakhs and for Government organisation 100%



S. No.	Tentative Activities	Indicative unit cost (upper limit)(Rs in lakh)	Pattern of assistance	
2.	Establishment of tissues culture lab including strengthen for propagation of identified species/varieties+field trials			
3.	Demonstration plots to exhibit best practice to farmers			
4.	Incubation Centre			
5.	Bamboo market research			
H	Project management (upto 5% of allocation)			
	Project management contingency Monitoring & Evaluation	Proposal based	upto 5%	100%

NOTE: The funding pattern proposed is 60:40 between Centre: State Govt. for all States excepting 8 states of NE Region, the hilly states of Himachal Pradesh, Uttarakhand and Jammu & Kashmir where it would be 90:10 fund sharing and 100% in case of UTs/ BTSGs (existing). if Funds are released by NBM (Headquarter) directly to any Central Institution for any specific project/ intervention the funding will be 100% central share.





- ◆ Farmers and agriculture based industries has been linked for the first time by Government of India.
- ◆ Farmers will fetch better price for agriculture commodities and post harvest losses will be minimized due to this act. This act will create avenues for new employment in rural areas.
- ◆ Permanent structures could not be constructed in the land of farmers.
- ◆ Farmers Producer Organization (FPO) / Farmers Producer Companies (FPC) would be promoted so that farmers can be organized.
- ◆ If authorized by farmers then FPO/FPC can be a contract party.
- ◆ Contract farming sponsors will not have rights to transfer and dispossess possession of land, title & owners.
- ◆ According to the contract, the purchase of whole quantity of one or more agricultural produce, livestock or contract agricultural product, at the pre-agreed rate is ensured.
- ◆ Provision of Contract Farming Facility (CFF) has been made to promote contract farming and services at the village / Panchayat level.
- ◆ The provision of dispute settlement has been done at the lowest level so that it may be possible to reach there and the disputes can be handled as early as possible.



MODEL AGRICULTURE LAND LEASING ACT 2016

Main Features of Act.

- This is very important step for land reforms through which needs of landlord as well as lease holder have been taken care.
- Through this act, the landlord can legally lease the land with mutual consent for agriculture and allied activities. In this act, it has been taken care that in any circumstances the leased holders' claim on land will not be valid.
- Lease holder may receive institutional loan, insurance and disaster relief so that he may invest more and more in agriculture.
- In order to resolve the dispute between the landlord and lease holder, the provision of "Special Land Tribunal" has been made in the Civil Court.

(NITI Aayog, Govt. of India has circulated draft Model Agriculture Land Leasing Act 2016 to all the States for its adoption on dated Feb. 13, 2017 and Feb 23 2017)



Portals Developed by DAC&FW for Farmers

The screenshot shows the homepage of the mKisan portal. At the top, there's a banner with the Indian flag and the text "mKisan". Below the banner, there are several icons representing different services: Home, USSD, Push SMS, IVRS, Push SMS, Kisan, KCC, Buyer Seller, Mobile Apps, and Reach. A call-to-action button says "Click here to download Kisan Survival App". There are also three achievement badges: "mKisan won Platinum icon in Web Rains Awards for innovative use of Technology, Union IT Minister conferred the honour", "mKisan received Award of Appreciation in CSI-NHILENT e-Governance Awards 2013-2014", and "mKisan bagged SHODH Gold award and Order of Merit 2014".

Search

Since 25th May 2013 To See this site in languages other than English & Hindi, Use this [Selected Language](#)

No. of Messages 4, 60, 63, 51, 712 No Of SMSs 14, 35, 41, 96, 764 Advisory Count 3, 60, 396

MESSAGES

Introducing the power of mobile in the hands of farmers - to get information/advice as per his or her preferences in the form of text/messages and getting access to numerous databases even without internet!

• DR. CHAMANJEET KAPOOR Project Director(Agriculture) SOUTH ZONE,SOLAN,HIMACHALPRADESH
Total Farmers 106
नियोजित होने वाला है, जिसका लिए किसी भी बेकार पर्याप्त सेवा में संदर्भ करने विषय व विषयक लिए ही पर्याप्त है। उस समक्षे हिन्दूनाथ,काशुद,कलाल की गयी कामता में नव जन कान की द्वारा प्राप्ति किए गये विषयक लिए ही पर्याप्त है।

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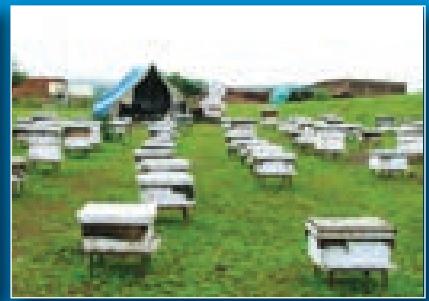
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