

CITIZENS CHARTER

The Directorate of Agriculture provides technical back up for the development of Agriculture in the State, so that production and productivity show an upward trend. This is achieved by way of implementation of various schemes, demonstrations, trainings, providing custom service for farm machinery and supply of quality planting material, pesticides, seeds and fertilizers. By enforcing the "Seed Act, Nursery Act, Pesticide Act and Fertilizer Control Order", the quality of the inputs supplied is also maintained.

The aims are achieved by the extension services provided through ten Zonal Offices situated in each Taluka, except Margao, which also caters the Marmugao Taluka.

This booklet describes the different schemes, Acts and Orders implemented and enforces by the Directorate of Agriculture for the citizens of the State.

LET US CELEBRATE INTERINATIONAL RICE YEAR 2004.

I N D E X

Sr.No	Scheme	Page No.
<u>State Plan Schemes</u>		
1	Crop Production & Input Management	1
2	Development of Agriculture Extension	4
3	Development of Horticulture	6
4	Support Price and Crop Compensation	8
5	Soil and Water Conservation	9
6	Development of Hill Areas (WGDP)	10
<u>Centrally Sponsored/Central Sector Schemes</u>		
1	Integrated Pest Management Demonst.	12
2	National Pulse Development Programme(NPDP)	12
3	Programme of Directorate of Cashew & Cocoa(DCC)	12
4	Coconut Development Board Schemes	13
5	Programme of National Hort. Board (NHB)	13
6	Cultivation of Red Oil Palm(OPDP)	14
7	National Agriculture Extension Project (World Bank)	14
8	Oil Seed Production Programme (OPP)	15
9	National Agriculture Insurance Scheme(NAIS)	15
10	Macro Management of Agriculture (MMM)	15
<u>Implementation of Acts & orders</u>		
1	Fertilizer Control Order 1985.	22
2	Insecticide Act 1968	24
3	Goa Fruits & Ornamental Plants Nursery Act 1995	26

ADOPT DRIP/SPRINKLER IRRIGATION SYSTEM FOR MAXIMUM USE OF WATER.

STATE PLAN SCHEMES

1. Crop Production And Input Management

The Traditional Agronomical crops of the State and also new introductions need supplementations of technological skills and inputs for their development. For increase in production, various schemes are designed to meet the needs of the farmers under crop production.

- a) **Assistance for High Yielding Certified seeds:** Assistance is provided to the extent of 50% of the cost of the quality certified seeds of high yielding varieties to the farmers through registered dealers, Co-operatives etc. The major field crops like paddy, pulses and Groundnut are covered under the scheme as per the recommendations.
- b) **Community Fencing:** Assistance is provided to the farmers for laying of barbed wire fencing, GI changed linked fencing , lateriate mesonery fencing laterite Boulder ball fencing, RCC Grill fencing around the fields on community bases. Subsidy of 50% of the cost of creating the infrastructure limited to Rs. 200/- per running meter is provided under the scheme. The minimum area benefited should be 2 ha for a group of three or more farmers.
- c) **Crop demonstration on cereals (Hybrid Rice):** Demonstrations with hybrid rice are conducted on farmers field on an area of 4000 m² with input support of Rs. 3,000/-.
- d) **Hybrid paddy Minikits:** Paddy growers are provided 2 kg minikit of hybrid rice at token amount of Rs. 20/- per Minikit.
- e) **Contingency Plan:** The farmers are provided with short duration paddy varieties, pulses, groundnut seed in case of crop failure due to natural calamity.
- f) **Development in Sugarcane:**
 - i) **Crop Demonstration in Sugarcane:** Conducting demonstration on adoptability of tissue culture seed material coupled with the latest crop production technologies in an area of 0.5 Ha with the input support of Rs. 10,000/-.

ii) **Subsidy on Weedicides:** Assistance to the extent of 50% of the cost of pre emergence and post emergence weedicide for control of weeds in sugarcane to the farmers limited to Rs. 1000/- per hectare.

iii) **Assistance for transport of seed material and organic manures:** Transport assistance of 50% of the cost limited to Rs. 1500/- per truckload of planting materials and 50% of the cost limited to Rs. 500/- truckload for organic manure weighing 5 tons is given to sugarcane cultivation.

iv) **Use of Organic manure:** An assistance of 25% of the cost of organic manures is given to the sugarcane growers limited to Rs. 1500/- per hectare and 50% of cost limited to Rs. 300/- ha for decomposing culture.

g) Plant Protection:

The Agricultural crops are prone to several diseases and pests, which partially or completely damage the crops. Plant Protection schemes suitable for the State are implemented as below:

i) **Assistance for bio-pesticides and bio-control agents/sex pheromones:** Assistance to the extent of 50% of the cost of Bio-pesticides and 75% of the cost of bio-control agents/sex pheromones is given to the farmers for all crops.

ii) **Salvinia Weed Management:** Assistance of 25% of the cost of physical removal of salvinia weed from paddy fields is given to the farmers limited to Rs.5000/- per ha in compact weed growth and Rs. 2500/- per ha in scattered weed growth, where as it is limited to Rs. 10,000/- per ha in water bodies/tanks etc. In addition, maintenance subsidy is also provided for removal of Salvinia weed from paddy fields during second year to the extent of 25% of the cost limited to Rs. 2000/- per ha for compact and Rs. 1000/- per ha for scattered weed growth. In waterbodies, maintenance subsidy is 25% of the cost limited to Rs. 2000/- per ha during

CULTIVATE PULSES AND GROUNDNUT ON RESIDUAL SOIL MOISTURE AFTER KHARIF PADDY AND EARN MORE PROFITS.

TREAT THE SEED WITH BIOFERTILIZER FOR HIGHER YIELDS.

second year, Rs. 1500/- per ha during 3rd year; Rs. 1000/- per ha during 4th year and Rs. 500/- per ha during 5th year is provided.

- iii) **Eupatorium Weed Management**: 50% subsidy limited to Rs. 1000/- per ha is provided towards purchase of systemic weedicide for Eupatorium Weed Control. In addition 50% subsidy is provided towards purchase of hand gloves, masks for preventing harmful effects of Weedicides on human body while spraying.
- iv) **Control of mite in Coconut**: Application of quality neem cake is one of the recommended package of practice for control of mite. 50% subsidy limited to Rs. 3/- per kg and Rs. 3000/- per ha is provided to the coconut grower.

h. Mechanization in Agriculture

- i) **Custom service**: Agriculture machinery like tractor, power tiller, bulldozers, reapers, paddy harvesters are given on hire basis to the farmers. Assistance of 50% of the cost per hour of hire charges on tractor and power tiller is given to the farmers for tillage operations in groundnut, pulses crops, Sugercane, etc.
- ii) **Assistance for purchase of higher H.P. Tractors, for unemployed youth, Co-operatives/self help group etc.**: Assistance of 25% of the cost of tractor above 35 H.P. limited to Rs. 1.00 lakh is given to the individual farmers for purchase of tractor. However the upper limit of subsidy for Co-operative Society and self help groups and other community organizations is Rs. 1.25 lakhs.
- iii) **Popularizing Agricultural machinery through self help group, registered NGO's Farmers Club/Society and Co-operative Society**: Assistance to the extent of 70% of the cost of some selected agricultural machinery/implements will be provided to self-help groups, registered NGO's, Farmers Club/Society and Co-operative Society etc.

TRANSPLANT 1 PADDY SEEDLING PER HILL FOR HYBRID PADDY.

iv) **Subsidy for setting up of Rice Mill**: 25% Subsidy will be provided limited to Rs. 30,000/- for setting up of Rice Mill for fine and Hybrid varieties only with the capacity of 100 to 500 Kgs Rice per hour.

i) Special Component Plan for Scheduled Castes

- i) **Assistance for Inputs**: Assistance of 50% of the cost of Agriculture Inputs is given to Schedule castes limited to Rs. 6,000/- per ha for cultivation of any type of crops.
- ii) **Assistance for Tools and Implements**: Assistance of 50% of the cost of Agriculture implements, tools, and equipments is given to the schedule caste and schedule tribe's farmers for Agriculture operations with maximum limit of Rs. 10,000/- per unit.

2. Development of Agricultural Extension

The farming community of the State of Goa are oriented to the latest Agricultural Developments through (1) Various Agricultural functionaries located at Zonal Offices of the Departments, (2) Demonstration farms (3) Training institutes within and outside the State of Goa.

- a) **Agriculture and Home Science Demonstration Camps/Courses**: Farm men/women can avail of demonstration camps and training courses related to Agriculture and nutrition at state training institute at Ela Old Goa, and also at Village Level. Interested farmers should contact respective Zonal Agriculture Officer for details.
- b) **Exhibition and Shows**: Farmers can see and experience new developments in agriculture by visiting major exhibition conducted at state level and minor exhibitions at district level by the Agriculture Department.
- c) **Best Farmer**: Best Man and Woman farmer are selected on the basis of their performance in the field of agriculture and

ADOPT WATERSHED TECHNICQUE TO CONSERVE SOIL AND WATER.

Horticulture and awarded a cash prize to each of Rs. 10,000/- and a trophy/shield on the occasion of Goa Liberation Day.

- d) ***Soil Sample Collection and Analysis:*** Farmers can get their soils analyzed for nutrient status at Soil Testing Laboratory, Ela Old Goa and Margao, free of cost for major and minor nutrients. This would guide the farmer on type and quantity of plant nutrient required to be added to soil to achieve optimum yields.
- e) ***Support for Higher Education in Agriculture:*** In order to obtain Education in the field of Agriculture, seats for the students are reserved in the neighbouring Agriculture University with the assistance of Indian Council of Agriculture Research (ICAR)& State Government with support fee of Rs. 10,000/- each per seat per year.
- f) ***Inter State Tours:*** Under the farmers exchange visit programme, farmers are taken on study tour to neighbouring States to get acquainted the technologies and progress made by the farmers outside the State.
- g) ***Crop Compensation for Natural Calamities:*** Crop compensation to SF/MF farmers for natural calamities like flood, cyclonic winds, lightening strikes, droughts, earthquakes, hailstorm, landslides etc upto 70% of the cost of cultivation with ceiling under each crop is provided.

3. ***Development of Manure:***

- a) ***Assistance for Soil Health Improvement:*** The Acidic soils of Goa require soil conditioners to be applied for good crop growth. Farmers are encouraged for the use of soil conditioners by giving assistance up to 50% of the cost limited to Rs.1000/- per Ha.
- b) ***Organic Manure Unit:*** Assistance upto Rs. 20,000/- or 50% of the cost of infrastructure inclusive of power

USE TRAPS TO CONTROL RHINOCERUS BATTLE AND RED PALM WEEVIL ON COCONUT.

shredder is provided for organic manure production unit with capacity to produce 25 cu. mt. volume of compost. Assistance to the extent of Rs. 2600/- is also provided to units without power shredder to produce 5 cu. mt. volume of compost (Vermicompost, Coir pith, Compost regular compost) for use in agronomic and horticultural crops.

- c) ***Assistance for construction of Biogas units:*** In order to encourage the beneficiaries for the use of non-conventional source of energy the beneficiaries can avail assistance of Rs. 4000/- per unit from the State Government and additional incentives of Rs. 2700/- to 3500/- per plant from Government of India. Promotional Incentive to Motivator is also provided @ Rs. 100/- per plant.
- d) ***Export oriented "Certification of Organic Farming:*** For the purpose of export of organically grown agricultural products, a certificate of adoption of organic system of cultivation is required to be obtained from internationally accredited agencies, which involves heavy expenditure. 25% of the total fee upto Rs. 0.5 lakh is paid as subsidy on the cost of certification.

4. ***Development of Horticulture:***

The schemes under horticulture are designed to take care of development of important horticulture crops of Goa.

- a) ***Assistance For Area Expansion in Banana:*** Assistance is provided for Area expansion under commercial banana cultivation as sole crops as well as intercrop. Maximum area is 2.00 ha and minimum 0.1 ha. Assistance is provided to the extent of 50% of the cost of inputs like planting material, fertilizers and bio control agents as per the recommendations. However, the total subsidy is limited to Rs.20,000/- per ha for sole crop and Rs. 10,000/- per ha for intercrop.

OUR MOTO: PLANT TWO TREES BEFORE CUTTING A TREE.

- b) Demonstration of Banana under New geno type:** Input assistance limited to Rs. 12,000/- is provided towards conduct of demonstration on tissue culture banana samplings on farmers field with all the recommended package of practices. The size of the demonstration plot shall be 4000 sq.mts to be maintained for the successive years.
- c) Assistance for quality and high yielding vegetable seeds:** Vegetable seeds suitable for agro climatic conditions of the State with promising qualities is provided at 50% cost to the farmers through department sale outlets, subsidy is limited to Rs.250/- per farmer.
- d) Demonstrations on Hybrid varieties of Vegetables:** Demonstrations on promising Hybrid vegetable varieties are laid on farmers field to demonstrate their yield potentials. Input support of Rs. 5000/- per plot of size 500 sq.mts is provided towards the demonstration plots.
- e) Promotion of Mushroom Cultivation:** Back-ended subsidy of 50% of the cost of inputs and other infrastructural requirements is provided for establishment of mushroom cultivation unit limited to a maximum of Rs. 1.00 lakhs. The scheme is linked to the Chief Minister's Rozgar Yojana scheme implemented through Economic Development Corporation for availing the loan if required. The oyster Mushroom spawn produced in the State department laboratory is sold to the farmers at cost price.
- f) Development of Horticulture on commercial lines:** 25% of the project cost is provided for development of horticulture on commercial lines as per recommendations. The finance for the proposed project will be arranged from financial institutions and the eligible subsidy will be linked with financial institutions on commissioning of the project. The maximum assistance will be however limited to Rs. 5.00 lakhs only. This scheme is linked to the Chief Minister's Rozgar Yojana scheme implemented through E.D.C. for availing loan if required.

MACHANIZE AGRICULTURE FOR SPEEDY WORK AND LOWER COST OF CULTIVATION.

- g) Multilevel and Multiple Cropping Orchards:** This scheme is promoted for developing existing orchards with multiple crops on the lines of Lakhibagh concept. Assistance is Rs. 20,000/- or 25% of cost whichever is less is paid towards planting material and other required inputs.
- h) Assistance for Irrigation/Agro-shadenet house/polyhouse:** Additional 25% subsidy is given to farmers who do not get full subsidy as per ceiling under the Government of India scheme.

5. Support price and crop compensation

Sometimes the prices of Agricultural produce falls below economical level. So also farmers have to bear heavy losses due to natural calamities like floods/fire. Financial relief is therefore given to the poor farmers in the form of support price for some major crops.

- a) Support Price for Paddy:** Farmers are provided with Re. 0.50 per Kg. as incentive for paddy sold to designated Cooperative Societies in the State. Farmers holding Index of land (Form I & XIV) can sell maximum 4000 kgs of paddy and get Rs. 2000/- as support. Farmers without Index of land can sell maximum 2000 kgs and get Rs. 1000/- as support. Minimum quantity of paddy to be sold is 100 kgs.
- b) Support price to sugarcane:** A support price of Rs. 100/- over and above the cane price fixed by the Government per tons of sugarcane is given as incentive to sugarcane growers to encourage them for area expansion and increasing the production.
- c) Support price to Arecanut:** Providing support price maximum to the extent of Rs. 15/- kg of Arecanut sold from 1st April, 2003 to 31st March 2004. The quantity of arecanut considered for support price is as follows:

Upto 600 kgs	– entire quantity
600 kgs to 1200 kgs	– 60% of quantity
Above 1200 kgs	– 30% of quantity

USE "FRUIT FLY TRAPS" TO CATCH FRUIT FLIES ON FRUIT BEARING TREES.

d) Scheme for production linked incentives for oil palm crop:

The unique scheme is introduced in the State, to boost the average productivity and the production of oil palm in the State. The incentives will be paid to increase production over the previous year only as categorized below:

Sr. No.	Average yield per ha in MT	Eligible incentives for increase yields over previous year
1	Upto 5.0	Rs. 1.00 per kg.
2	Above 5.0-15.0	Rs. 1.50 kg
3	Above 15.0	Rs. 2.00 per kg.

e) Subsidy for installation Arecanut peeling machine:

To provide subsidy to individual growers/farmers/Self-Help Groups/Producer Co-operative Societies etc. for installation of the peeling machine for self use and for custom service to the neighbouring growers to the extent of 50% of the cost, limited to maximum of Rs. 50,000/- whichever is less

6. Soil and Water Conservations

a) Repairs and maintenance of notified bunds protecting Khazan agricultural lands - Assistance for Protection of embankments:

Subsidy at 50% of the cost of repairs of protective bunds subject to maximum Rs.6000/- per ha is given to the beneficiaries on successful execution of the work under Government supervision and as per tenancy act 1964 and rule 1965.

b) Revitalization of the Water bodies: Apart from the command area of Selaulim, Anjuna irrigation projects, lift irrigation schemes and few bandharas, most of the irrigated area in rural Goa have small ponds or tanks as main source of irrigation. Traditionally these water bodies were either maintained by the Comunidades or local bodies, which have now become non-operational. These ponds, tanks and reservoirs have been considerably reduced due to siltation and non-maintenance. There is considerable reduction in the original command areas of these reservoirs, which if desilted/renovated will yield more water storage for irrigation thus increasing the cultivated area under field crops. These reservoirs also

PURCHASE PLANTING MATERIAL FROM GOVERNMENT FARM/REGISTERED NURSERIES FOR QUALITY.

serve as a source of recharge of drinking water wells and form a basis of influence for development of microclimate in the rural areas. With this objective, the scheme is designed for implementation by involvement of the Users groups/village organizations/NGOs who would come forward to organize the villagers for a joint effort to restore water bodies, ponds, water tanks for making them functional and productive.

i) Small water bodies upto 500 M² size are taken up on priority through the involvement of (I) Users Groups. (ii) NGOs and (iii) Private/individual cases. The assistance is provided to these categories as below:

Category	Assistance	Mode of payment	Purpose
NGO	10% cost of work	In two installments- 1st-50% after approval of the work 2nd - 50% after completion of the work	- Formation of UGs - Motivation for collective working - Appointment of engineer, technical guidance and supervision
Users Groups	100% cost of work (as per GSR)	In three installments - 1st - 40% of cost on approval 2nd - 40% of cost after 50% utilization of 1st installment 3rd - 20% of cost after completion	Procurement of material, actual execution by self employment or engaging labour
Private/individuals	50% cost of work (as per GSR)	In one installment after completion of the work	Actual desilting/repairs pond/ tank owned by the farmer

ii) Large water bodies above 500 m² size: The desilting/repairs of such big ponds/lakes are taken up fully at Government cost through the consultant/contractor approved by the PWD/WRD/GSIDC for similar purpose. However, where the Users groups/NGOs are interested, work is to be executed through them as per pattern of assistance mentioned above.

7. Development of Hill Areas

Western Ghat Development Programme (WGDP)

The Scheme is aimed at restoration of eco-system and upliftment of standard of living of the people of Western Ghat

KEEP PROPER DISTANCE FROM PLANT TO PLANT TO PREVENT COMPETITION FOR SUNLIGHT AND NUTRITION..

Areas of the State covering three talukas viz. Canacona, Sanguem and Sattari. The activities for soil and water conservation measures along with production programmes are taken in consonance with the fragility of eco-system, its habitat, their demands and approach. Therefore, the Department has planned for implementing various activities to suit the local environment. The assistant provided for various activities is as below:

Sr. No.	Activities	Pattern of Assistant												
1.	Training	Training is provided to farmers in integrated farming systems. Study tour to neighbouring States and public participation activities like Krishi melas with various competitions, awards & rewards publicity for mass awareness are organised.												
2.	Maintenance of assets created	Actual cost of maintenance/repairs is provided to the SHGs/UGs as per the GSR for the assets created during previous years.												
3.	Planting of trees, shrubs & medical plants	Planting material is provided to farmers free of cost as per the area to be planted.												
4.	Composit pits/ Organic farming	Rs. 200/- per cu. mt size of composit pit dug.												
5.	Household Production Systems	Financial assistance of 70% to SHGs/UGs and 50% to individual beneficiary is provided on purchase of unit of equipments, tools or raw material for agriculture or agricultural processing to strengthen an existing entrepreneurship or to start a new one.												
6.	Land Development (Subsidy Per Ha)	<table border="0"> <tr> <td>Activity</td> <td>Manual</td> <td>Machinery</td> </tr> <tr> <td>Bench terracing</td> <td>30000/-</td> <td>15000/-</td> </tr> <tr> <td>Broad based terracing</td> <td>24000/-</td> <td>12000/-</td> </tr> <tr> <td>Leveling and bunding</td> <td>6000/-</td> <td>3000/-</td> </tr> </table>	Activity	Manual	Machinery	Bench terracing	30000/-	15000/-	Broad based terracing	24000/-	12000/-	Leveling and bunding	6000/-	3000/-
Activity	Manual	Machinery												
Bench terracing	30000/-	15000/-												
Broad based terracing	24000/-	12000/-												
Leveling and bunding	6000/-	3000/-												
7.	Fencing of Cropped/land	<p>Live Fencing -Rs. 15/- per linear meter</p> <p>Laterite boulder wall fencing - Rs. 150/- per linear meter of 1.75 M height (including foundation) with 0.50 M width at foundation and 0.25 M at top</p>												
8.	Crescent shaped trenches or bunds	Rs. 10/- per pit or bund of size 1.5x0.4x0.4 M ³ (LBD)												
9.	Gully Control	} As per the need, fully at government cost.												
10.	Bank Stabilization													
11.	Diversion of drain													
12.	Dugout ponds/ Farm Ponds													

COMMUNITY FENCING IS BEST REMEDY FOR STRAY CATTLE MENACE.

CENTRALLY SPONSORED/CENTRAL SECTOR SCHEME

1. Integrated Pest Management Demonstration

The Scheme is implemented as per the norms of Government of India after it is extended to the state. Under this Scheme a Bio-Control Lab is set up at Ela, Old Goa and Bio-Control Agents are produced and sold.

2. National pulse Development Programme (NPDP)

a) Distribution of certified seed: Certified seeds of pulses are supplied to the farmers on 30% subsidy limited to Rs. 800/- per quintal of seed.

b) Block Demonstrations: Farmers can avail of financial assistance to the extent of Rs. 1500/- per ha towards 50% cost of inputs like seed, fertilizers etc. for crops like urid, moong, tur and cowpea.

c) Improved Farm Implements: 50% on the cost of manually/ bullock drawn implements limited to Rs. 2000/- is provided to the beneficiaries whereas 30% of the cost of power drawn implements limited to Rs. 10,000/- is provided to farmers growing pulse crops.

d) Plant Protection Equipments: 50% subsidy on the cost of manually operated plant protection equipment limited to Rs. 800/- per equipment is provided to beneficiary, In case power operated sprayer/dusters the subsidy is limited to 50% of the cost or Rs. 2000/- per equipment which ever is less.

3. Programme of Directorate of Cashewnut and Cocoa (DCCD)

Directorate of Cashewnut and Cocoa Development operates scheme of training of farmers on management of cashew plantation. Stipend of Rs.150/- in the form of kits and refreshment is provided for 3 days of training.

APPLY MICRONUTRIENT FERTILIZERS ON SOIL ANALYSIS TO AVOID SILENT HUNGER LEADING TO UNDER PERFORMANCE OF THE CROPS.

4. Coconut Development Board Scheme

- a) ***Assistance for area expansion:*** This programme is implemented by Coconut Development Board through Directorate of Agriculture, Goa. Assistance of Rs. 8000/- per ha is given for a period of 2 years @ Rs. 4000 each year for cultivating coconut in new area. Minimum area of 0.2 ha is required to be covered. Subsidy is released after planting. Bonafide landholder desirous of cultivating coconut may apply in prescribed form to Zonal Agricultural Officer along with receipts and land documents.
- b) ***Demonstration Plot:*** Assistance of Rs. 35,000/- per ha will be provided to the farmer for laying out Demonstration plot for management of diseases affected area. Prior approval is necessary to avail benefits. Coconut Development Board releases subsidy after approval.
- c) ***Organic Manure Unit:*** Assistance upto Rs. 20,000/- or 50% of cost of infrastructure and maintenance is provided to organic manure production unit with a capacity to produce 30-50 tons of compost annually in coconut gardens. The organic manure units would produce vermi compost, coir pith, or ordinary compost. Prior approval of Zonal Agricultural Officer is necessary. Subsidy is released after approval by Board.
- d) ***Grant in aid for Modern Copra Dryer:*** Subsidy is provided to copra dryer upto 25% cost or Rs. 7,250/- whichever is less. The application should be done in prescribed form and sent to Coconut Development Board through Directorate of Agriculture, for approval. Driers are required to be installed by registered manufacturers.

5. Programme of National Horticulture Board (NHB)

The scheme is implemented as per the norms of Government of India. The specific proposals are submitted to the Board for approval of the Project.

PRACTICE INTEGRATED PEST AND NUTRIENT MANAGEMENT TO PROTECT ENVIRONMENT.

6. Cultivation of Red Oil Palm (OPDP)

- a) ***Assistance for area expansion in Oil Palm:*** Seedling subsidy of Rs. 7,500/- per ha is provided in the first year. Besides this, maintenance subsidy is provided to the grower to the extent of Rs. 15,500/- per ha of area cultivated under Oil Palm @ Rs. 4600/-, Rs.3300/-, Rs.3500/-, Rs. 4100/- per ha for 1st, 2nd, 3rd & 4th year respectively. Farmers having irrigation facility may apply for assistance to Zonal Agricultural Office.
- b) ***Demonstration:*** Financial assistance of Rs. 40,950/- is provided over the period of 4 years for 1 ha. area of Oil palm.
- c) ***Assistance for Diesel Pumps:*** Assistance is provided for purchase of diesel water pump set to irrigate compact blocks of 5 Ha and above. Subsidy of 50% of the cost of pumpset, to a maximum of Rs. 10,000/- is provided. Oil palm growers having 5 ha area under the crop may apply with land documents.
- d) ***Training to farmers:*** The Oil Palm growers would be provided with training in adjoining States & within State on cultivation and management of oil palm. Rail fare by IInd class and daily allowance @ Rs. 70/- per day is paid to each trainee for 5 days.
- e) ***Assistance for Drip Irrigation:*** Assistance is provided for installation of Drip Irrigation for oil palm plantation to the extent of Rs. 7400/- to 9300/- per ha or 50% of cost for SF/MF and Women farmers while it is Rs. 5200/- to Rs. 6500/- Per ha. or 35% of the cost for General farmer.

7. National Agriculture Extension Project (World Bank) Training and Extension Support to Goa

The Scheme is implemented as per the norms of Government of India after it is extended to the State. Under the Scheme 3 days institutional Training Courses are Conducted for farmers with stipend of Rs. 50/- per day at F.T.C. Ela. Old Goa. Minimum farmers required are 30 per batch.

USE BIOPHOS FOR BETTER UTILIZATION OF PHOSPHORUS.

8. Oil Seed Production Programme (OPP)

- a) **Production of certified /TL. Seed:** An assistance of Rs. 500/- per quintal is given to oil seed grower towards roughing, cleaning, grading packing and handling cost.
- b) **Distribution of certified seed: (Groundnut):** Quality groundnut seed is supplied to the cultivators with assistance of Rs. 8/- kg seed or 30% of the cost which ever is less.
- c) **Block Demonstration:** Farmers are provided assistance of 50% of the cost of inputs or Rs. 2000/- per ha; which ever is less, towards conduct of oil seed crop demonstration.
- d) **Improved Farm Implements:** Groundnut cultivators can avail 50% subsidy on the cost of manually/ bullock drawn implements with maximum limit of Rs. 2000/- per implements. The subsidy for power drawn implements will be 30% of the cost of implements with maximum limit of Rs. 10,000/- per implement.
- e) **Integrated Pest Management (IPM) including Pheromones traps and Rodent Control:** Rs. 1500/- per ha is provided to oil seed crop grower for taking up IPM measures.
- f) **Plant Protection equipments:** Farmers' cultivating oil seed crops on minimum 0.2 ha area are eligible for assistance to the extent of 50% of the cost of hand operated. P.P. equipment limited to Rs. 800/- per unit whereas in case of power operated sprayer/dusters 50% assistance limited to Rs. 2000 per unit is provided.
- g) **Training to farmers:** Groundnut cultivators are trained in cultivation practices for 2 days stipend of Rs. 50/- per day per head is provided.

9. National Agricultural Insurance Scheme (NAIS)

The scheme is implemented as per the norms of Government

APPLY FERTILIZERS TO COCONUT TREE 1.5 MT. AWAY AROUND THE TRUNK IN A RING.

of India after it is extended to the State.

10. Macro Management of Agriculture (MMM)

- A) **Integrated programme for Development of Cashew:** A total assistance of Rs. 6300/- is provided per hectare of new area brought under cultivation of cashew grafts or rejuvenated with cashew grafts. Assistance is provided in 3 annual instalments. Assistance is provided in cash or kind in the form of grafts and manure for successful establishment of the cashew grafts. All landholders can apply to the Taluka Level Zonal Agricultural Officer's with the land document in prescribed form. The grafts would be provided through the recognized and registered nurseries, Government farms or could be purchased by farmers on their own from registered nurseries.
- B) **Development of fruits(Area Expansion)**
 - i) **Cultivation of Minor fruit crops:** Input Incentives of Rs. 7000/- per Ha is given to the farmers in three yearly instalments on successful establishment of the minor crops like Guava, Jackfruit, Ber, Jambul, Awla, Custard apple etc. as per recommendations.
 - ii) **Cultivation of Major fruit crops:** Input incentive of Rs. 10,000/- per ha is given to the farmers in three yearly instalments on successful establishment of the crops like Mango, Chickoo etc. as per recommendations.
 - iii) **Cultivation of High Density fruit crops:** Input incentives of Rs. 30,000 per ha is given to the farmers in two yearly instalments for cultivation of high density fruit crops like banana with tissue culture plants, pineapple etc. as per recommendations.
 - iv) **Training and tours:** Farmers are imparted training for adoption of new technologies in the cultivation aspects, production and post harvest processing by conducting out of State tours to research centers. A maximum of Rs. 1500/- per farmer is provided for conducting the of study tours.

C Development of Floriculture (Area expansion):

- i) **High Value Flowers:** Input assistance of 15,000/- or 25%

PLANT CASHEW GRAFTS TO GET REGULAR HIGHER INCOME.

which ever is less towards planting material, pesticides, fungicide and fertilizer for taking up cultivation of high value flowers like Orchids, Anthuriums, Carnations, Gerberas in an area of 0.1 ha.

- ii) **Bulbous/Corms Plants:** Inputs assistance of Rs. 10000/- or 25% which ever is less is provided for taking up cultivation of crops like Gladioli, Tuberose in an area of 0.1 ha.
- iii) **Grafted varieties:** Input assistance of Rs. 7500/- or 25% cost which ever is less is provided for taking up cultivation of crops like Jasmine, Roses, Chrysanthemum in area of 0.1 ha.
- iv) **Seed varieties:** Input assistance of Rs. 2000/- or 25% which ever is less is provided for taking up cultivation of crops like Marigold, Crossandra in an area of 0.1 ha.

D Development of vegetables: Vegetable minikits containing Local/Hybrid Seed, bio-fertilizers and bio-pesticides with maximum cost of Rs. 150/- are given to farmers for cultivation on pilot basis to cover an area of about 500 m².

E Development of Spices

- i) **Sale of pepper cuttings at subsidized rate:** The pepper cuttings are supplied to the growers at 25% subsidy limited to Rupee 0.5/- per cutting.
- ii) **Sale of tree spices at subsidized rate:** Tree spices such as grafts of nutmeg, cinnamon, cloves, all spices are provided with a subsidy of 25% of the cost limited to Rs. 15/- per plant whichever is less.
- iii) **Subsidy for cultivation of ginger and turmeric:** Subsidy of Rs. 25% or Rs. 1250/-per 1000m² whichever is less is provided. Minimum area 100 m².

CONSTRUCT BIOGAS PLANT FOR SAFE FUEL, RICH MANURE, AND PROPER SANITATION.

- iv) **Subsidy for cultivation of Medicinal and aromatic plants:** Subsidy of Rs. 1250/- for 1000m² is provided for cultivation of crops viz Vanilla, Aloe Vera, Patchouli, bixa and others.

F Programme on National Watershed Development Programme for Rainfed Ares (NWDPR)

The Watershed Development Project is to be planned and executed by Local Community by organizing themselves into Watershed Association (WA). The funds are provided for projectization and execution of development activities in the form of Grant-in-aid. The project envisages various activities for soil/water conservation and enhancement of production in project area. All activities are to be executed at 100% cost from the project fund. However, beneficiaries have to contribute in following manner. All such contributions are deposited in Corpus funds, which is to be used by WA for post maintenance of project.

Sr. No.	Name of activities.	Percentage of contribution by beneficiaries
1.	All Soil/Water Conservation and water harvesting works on Private Land.	10% (5% in case of SC/ST)
2.	All Soil/Water Conservation Works and drainage line treatments benefiting community	5% (for all Beneficiaries)
3.	Supply of planting material	50%
4.	Testing and demonstrations on New technologies on private field	Nil (100% at the project cost)
5.	Adoption of Poven Technology	*Nil (100% loan provided from project fund.)

* The loan will be provided to individual through self help group (SHG) and User Group (UGs) from revolving fund with WA to be paid in maximum 12 instalments with nominal interest. Part of interest is to be retained by SHG/UG and principal with part interest is to be returned to WA for lending to other Groups.

COAT 'UREA' FERTILIZER WITH NEEM OIL/NEEMCAKE FOR BETTER N UTILIZATION.

G Integrated Cereal Development Programme ICDP (Rice)

- i) **Demonstration**: Financial Assistance of Rs. 1000/- per demonstration is provided for the farmers on an area of 4000 sq.mts to demonstrate advance technology in Rice Development during Kharif and Rabi Season.
- ii) **Integrated Pest Management Training Course**: Group of 30 Farmers can avail of field level training course under Integrated Pest Management in the farmer's field for 14 weeks duration with financial assistance up to Rs. 17,000/-.
- iii) **Training of Farmers**: Two days village level training for a batch of 50 farmers is conducted during Kharif and Rabi season respectively where in Rs. 50/- per day is given as stipend to farmers during the training programme.

H Development of Sugarcane Based Cropping System Areas (SUBAC)

- i) **Field Demonstration**: Input Assistance of Rs. 5000/- per demonstration is given for laying demonstration in an area of 5000 sq. mts on advance technology in sugarcane cultivation in the farmer's field.
- ii) **Sugarcane Nursery**: Sugarcane farmers can avail of assistance of Rs. 2000/- per Ha limited to 25% of the cost of cultivation to raise sugarcane nursery by cane sets.
- iii) **Training of Farmers**: TA/DA of Rs. 50/- per day is given to the farmers for attending sugarcane training of two days duration.

I. Agriculture Mechanization Schemes

- a) **Subsidy for purchase of Power Tiller**: Farmers beneficiary can purchase power tiller of recommended make brand on 25% subsidy; however, the maximum subsidy will be limited

ANALYZE THE SOIL TO KNOW THE PLANT NUTRIENTS STATUS BEFORE FERTILIZER APPLICATION.

- to Rs. 30,000/- only.
- b) **Subsidy for purchase of Paddy Harvester and Transplanter**: Farmer beneficiary can purchase a recommended brand of self-propelled machine for harvesting, transplanting etc on 25% subsidy. However, the maximum subsidy will be limited to Rs. 30,000/- only.
- c) **Subsidy for purchase of Power drawn implements**: Farmer, can avail of 25% subsidy on purchase of recommended power drawn implements limited to Rs. 10,000/- only.
- d) **Subsidy for improved manually operated/bullock drawn implements**: 25% subsidy limited to Rs. 2000/- will be provided for purchase of bullock drawn implements like ridger, horticulture tools, Sugarcane planter etc. to the farmer beneficiaries.
- e) **Mechanization in Horticulture and cereal crops**: 25% subsidy limited to Rs. 10,000/- per unit is provided for purchase of equipments/ implements for Agriculture operations like spraying and operations of horticulture crops etc. Subsidy is back ended and linked to bank loan.
- f) **Subsidy for specialized equipments**: 25% subsidy limited to Rs. 20,000/- per unit is provided for purchase of specialized power drawn equipments like sugarcane cutter/ planter Rotavator, straw reaper, strip till drill, power drawn reaper, post hole digger etc. Subsidy is back ended and linked to bank loan.
- g) **Subsidy for plant protection equipment**: Plant protection equipments are provided subsidy as below:
 - i) 25% of the cost of manually operated equipment limited to Rs, 800/- per unit.
 - ii) 25% of the cost of power operated equipments limited to Rs, 2000/- per unit.
 - iii) 25% of the cost of Tractor mounted equipment limited to Rs. 4000/- per unit.

USE CERTIFIED PADDY SEED AFTER EVERY THREE YEARS FOR PURITY AND HIGHER YIELDS.

J. Irrigation & Polyhouse Schemes:

Programme for promotion of Drip, Sprinkler Irrigation with creation of Irrigation infrastructure and green house technology.

a) Subsidy on Drip Irrigation: The subsidy for Drip Irrigation is provided for horticultural crops with minimum area of 0.2 Ha and maximum area of 4.0 Ha as per recommended spacing. For general category subsidy of 25% of the cost limited to Rs. 18,200/- per ha. is provided. For woman farmer and farmer belonging to SC/ST & MF subsidy of 25% of the cost limited to Rs.26,000/- per ha. is provided.

b) Sprinkler Irrigation: The subsidy for sprinkler irrigation is provided for crops with minimum area of 0.2 Ha and maximum area of 2.0 Ha as per recommended spacing. For Women farmer and farmer belong to SC/ST & MF a subsidy of 25% of the cost is provided with maximum limit of Rs. 15,000/- per ha. For general category farmers a subsidy of Rs. 25% of the cost is provided with maximum limit of Rs. 10,000/- per Ha.

c) Creation of Irrigation Unit: A maximum financial assistance of Rs. 20,000/- per unit is provided for creation of irrigation unit based on area as below:

Sr. No.	Area ceiling	Maximum subsidy for well	Maximum subsidy for pump	Total
1)	0.2 Ha to 1.0 Ha	Rs. 6,000/-	Rs. 4,000/-	Rs. 10,000/-
2)	1.0 Ha to 2.0 Ha	Rs. 9,000/-	Rs. 6,000/-	Rs. 15,000/-
3)	Above 2.0 Ha	Rs. 12,000/-	Rs. 8,000/-	Rs. 20,000/-

d) Installation of gravitational drip: Subsidy of 25% of the cost limited to Rs. 10,000/- is provided for installation of gravitational drip for homestead garden in an area of 500 Sq. mt.

TRANSPLANT 2 TO 3 PADDY SEEDLINGS PER HILL TO THE DEPTH OF 2 TO 3 CM FOR HIGHER TILLERING IN HIGH YIELDING VARIETIES.

e) Subsidy for polyhouse/shade nets: Subsidy of 25% of the cost of installation of polyhouse with maximum limit of Rs. 40,000/- is provided to the beneficiary Subsidy of 25% of the cost of Shad nets subject to maximum of Rs. 14/- per Sq.mts. is provided to the beneficiary.

K. Training Support to Agriculture “Exchange visit at farmers within the Country”

Under the Scheme farmers and Farm Women form one State/Ut visit another State/Ut to observe and the study the latest production technologies followed by a visit of their counterparts in the areas of agriculture, horticulture, animal husbandry and other allied fields for adoption on return.

IMPLEMENTATION OF ACTS & ORDERS

Under the Scheme farmers and Farm Women from on State/Ut Visit another State/UT to observe and study the latest production technologies followed by a visit of their counterparts in the areas of agriculture, horticulture, animal husbandry and other allied fields fro adoption on return.

1. FERTILIZER CONTROL ORDER 1985

Registrations certificate/letter of Authorization for Retail/Wholesale Fertilizers Dealers are issued under clause 7 of Fertilizer Control Order (FCO) 1985.

I. REGISTRATION OF NEW DEALERS

Procedure & format to obtain certificate/licence

Documents/Forms required for application

- a) Application Form A1 in duplicate.
- b) Certificate of source of supply of fertilizer under Form ‘O’
- c) Site Plan/sketch showing sale point/storage point.

PLANT AND PROTECT TREES FOR CONSERVATION OF SOIL AND MOSITURE.

d) Recommendations of Fertilizer Inspector.

e) Copy of challan paid in the Govt. treasury/receipt as per prescribed fee of Rs. 600/- for wholesale dealer and Rs. 300/- for Retailer. The certificate/acknowledgement will be valid for a period of 3 years and issued in Form A2.

II. RENEWAL OF REGISTRATION CERTIFICATE

Documents required

- a) Application in form 'A1' in duplicate.
- b) Certificate of source of supply of fertilizer under Form 'O'
- c) Original Certificate/Letter of Authorization
- d) Recommendation of Fertilizer Inspector.

e) Copy of challan paid in the Govt. treasury /receipt as per prescribed fee of Rs. 400/- for wholesale and Rs. 200/- for retailer. Late fee of Rs.200/- and Rs. 75/- wholesaler and retailer is applicable respectively if the application is submitted within one month of expiry date.

III. AMENDMENTS TO CERTIFICATES

Who is eligible to avail this facility?

All registered dealer.

Procedure and format to amend certificate/acknowledgement

- a) Application on plain paper.
- b) Certificate of source of supply in Form 'O'
- c) Original Certificate/letter of Authorization.
- d) Amendment fee of Rs. 30/- per product for wholesale and Rs. 20/- per product for retailer after due recommendation of Fertilizer Inspector.

IV) DUPLICATE/ADDITIONAL COPY OF CERTIFICATE

- a) Application on plain paper.
- b) Fee of Rs. 50/- for wholesaler and Rs. 20/- for retailer.

USE VAIBHAV SICKLE TO HARVEST PADDY AT GROUND LEVEL FOR EXTRA STRAW AND PEST CONTROL

Fee Pattern for grant of letter of authorization for carrying on business of selling fertilizer.

Sr. No.	Particulars	Fee (in Rs.).
1	Grant of letter of authorization/certificate of registration to wholesale dealer	600
2	Grant of letter of authorization/certificate of registration to retailer dealer	300
3	Renewal of letter of authorization/certificate of registration to wholesale dealer	400
4	Renewal of letter of authorization/certificate of registration to retailer dealer	200
5	Late fees for renewal of authorization/certificate of registration to wholesale dealer	200
6	Late fees for renewal of authorization/certificate of registration to retailer dealer	75/-
7	Amendment in letter of authorization/certificate of registration to wholesale dealer	30/- per product
8	Amendment in letter of authorization/certificate of registration to retailer dealer	20/- per product
9	Duplicate/additional copy of letter of authorization/certificate of registration to wholesale dealer	50
10	Duplicate/additional copy of letter of authorization/certificate of registration to retailer dealer	20

2. INSECTICIDE ACT 1968

Implementation of the Insecticide Act 1968

I. Issue of manufacturing licence

Who is eligible to avail this facility?

Any manufacturer of insecticides or desiring to do so.

Procedure & format to obtain certificate/licence

- i. Apply in Form III for new licence or form IV for renewal of licence giving details of registration of insecticides to be manufactured, name(s) of expert persons, safety provisions, etc.

APPLY NITROGENOUS FERTILIZERS IN SPLIT DOSES FOR BETTER UTILIZATION.

- ii. Payment of a fee of Rs. 50/- for each insecticide to be manufactured subject to a maximum of Rs. 500/- for each place of manufacture.
- iii. License issued is valid for two calendar years.

Time limit of disposal of application at various levels

10 days at Zonal Agricultural Office,
8 days at Directorate of Agriculture, Panaji.

II. Issue of licence to sell, stock, or exhibit for sale or distribute insecticides

Who is eligible to avail this facility?

Any person desirous of trading in pesticides/dealers of pesticides.

Procedure & format to obtain certificate/licence

- i. Apply in Form VI for new licence or form VII for renewal of existing licence.
- ii. Furnish valid principal certificate (from manufacturer).
- iii. Payment of a fee of Rs. 20/- per insecticide subject to a maximum of Rs. 300/- for each place of stocking/sale etc.
- iv. Licence is valid for two calendar years.

Time limit of disposal of application at various levels

10 days at Zonal Agriculture Office, 8 days at Directorate of Agriculture, Panaji.

III. Phytosanitary Certificate

Who is eligible to avail this facility?

All persons wanting to take seeds, planting material, fruits, etc. outside the country

Procedure & format to obtain certificate/licence

Application on prescribed format on plain paper giving details of material with scientific name to be transported

DIG. 1.5X0.4X0.4M3 (LBD) SIZE PITS ON SLOPE FOR CONSERVATION OF SOIL AND MOISTURE.

Description and number of packages: Place of origin, means of conveyance and the port of entry (city and country).

Supporting documents: Source of purchase/acquisition and disinfestations treatment from competent authority like Zonal Agriculture Officer, Farm Superintendent, etc.

Time limit of disposal of application at various levels 2 days.

The Deputy Director of Agriculture (PP) is the competent authority to issue this certificate.

3. GOA FRUITS & ORNAMENTAL PLANTS NURSERIES ACT 1995

I) Registration certificate for Nurseries valid for 5 Yrs

Who is eligible to avail this facility?

All those propagating & involved in trade of planting material

Procedure & format to obtain certificate/licence

- 1. Application in Form 'A' to the Director of Agriculture
- 2. Copy of challan paid in the Govt. treasury as per prescribed fee of Rs. 1000/-.

Time limit of disposal of application at various levels

10 days at Zonal Agricultural Office.

8 days at Directorate of Agriculture, Panaji.

II) Renewal of registration valid for 5 years

Who is eligible to avail this facility?

All registered nurseries.

Procedure & format to obtain certificate/licence

- 1. Application in Form 'C' to the Director of Agriculture

COMPOST ORGANIC GREEN MATTER FOR HIGHER FERTILITY.

2. Copy of challan paid in the Govt. treasury as per prescribed fee of Rs. 1000/-.

Time limit of disposal of application at various levels

10 days at Zonal Agricultural Office

8 days at Directorate of Agriculture, Panaji.

* * *

***Telephone Nos. of Zonal Agricultural Office/
Farm Superintendent/Mechanical Cultivation Office***

Sr. No.	Name of the Office	Phone Nos.
1	Assistant Director of Agriculture (FT)	2285325
2	Zonal Agricultural Office, Valpoi 403506	2374246
3	Zonal Agricultural Office, Bicholim 403504	2362128
4	Zonal Agricultural Office, Pernem 403512	2201291
5	Zonal Agricultural Office, Mapusa 403507	2262368
6	Zonal Agricultural Office, Tiswadi Ela Old Goa 403402	2285329
7	Zonal Agricultural Office, Ponda 403401	2312119
8	Zonal Agricultural Office, Sanguem 403704	2604253
9	Zonal Agricultural Office, Quepem 403405	2662116
10	Zonal Agricultural Office, Canacona 403702	2643066
11	Zonal Agricultural Office, Margao 403601	2715005
12	Farm Superintendent, Codar	2348389
13	Farm Superintendent, Kalay	2601302
14	Mechanical Cultivation Office, Tonca	2462467
15	Mechanical Cultivation Office, Mapusa	2262159
16	Mechanical Cultivation Office, Valpoi	2374246
17	Mechanical Cultivation Office, Margao	2714201
18	Mechanical Cultivation Office, Curchorem	2650608
19	Govt. Farms Margao	2715730

***The Headquarters of the Directorate of Agriculture is on
4th floor, Vidyut Bhawan, Panaji-Goa.***

Name of the Officer

Designation

Shri R. G. Joshi

Director of Agriculture

Shri V. D. Deshmukh

Assistant Public Grievance Officer

Shri Y. N. Desai

Agricultural Officer (Publication)

PHONE No. 2425910/226445/2436851

FAX No. (0832) 2422243

E-MAIL: agrigoa@goa.nic.in

TOLL FREE CALL

For Schemes/Technical information: Kisan Call Centre, Phone No. 1551

(Time 9.30 A.M. to 17.45 PM)

USE ORGANIC MANURE FOR SUSTAINABLE AGRICULTURE.

**PROCESS THE PRODUCE FOR VALUE ADDITION AND
HIGH RETURNS.**



GOVERNMENT OF GOA

CITIZENS CHARTER



DIRECTORATE OF AGRICULTURE

PANAJI-GOA

YEAR 2005