NABARD

Unit cost for Investment Activities in Agricultural and Allied Activities 2025-26

राज्य – केरल

State – Kerala and Lakshadweep

राष्ट्रिय कृषि और ग्रामीण विकास बैंक

National Bank for Agriculture and Rural Development

Title :	Unit cost for Investment Activities in Agricultural and Allied Activities 2025-26
Prepared & Published by :	Department of Refinance NABARD Kerala Regional Office Thiruvananthapuram
Contact :	Punnen Road Statue, Post Box No.220 Thiruvananthapuram – 695001 Website: www.nabard.org www.youtube/ nabardonline

Disclaimer

NABARD does not accept any financial liability to anyone using this report for any purpose. The costs and parameters suggested are based on information available with NABARD. All the unit costs are indicative in nature and there may be variations based on field/ local conditions which may be considered while arriving at the actual loan amount.

CONTENTS

Foreword

State Level Unit Cost Committee (SLUCC) meeting every year is fixing /revising unit costs in respect of all the major investment credit activities under Farm Sector, normally financed by the banking sector, across the state of Kerala. The various unit costs for each financial year are arrived based on the inputs/proposals furnished by various implementing agencies, Govt. line departments, banks and also the information obtained by the Technical Experts of NABARD and District Development Managers (DDMs) in consultation with the Govt. line departments, banks, Commodity Boards and other stakeholders. This exercise enables the SLUCC to arrive at realistic and contemporary unit cost for various activities in the state of Kerala, which is acceptable to all stakeholders.

The SLUCC is considered as a converging point for departments as well as bankers to exchange their views/suggestions on various disciplines under farm sector. The unit costs proposed for the financial year 2025-26 were deliberated and approved by the State Level Unit Cost Committee (SLUCC) consisting of representatives from banks, Govt. line departments etc. in the meeting convened on 30 June 2025 at the Regional Office of NABARD.

Most often, Banks strictly adhere to the unit cost stipulated by the SLUCC irrespective of the local conditions, viability etc. It is emphasized that the unit costs fixed by the SLUCC are indicative and banks are at liberty to increase or reduce them depending on the local conditions, financial viability, bankability etc., in accordance with the local needs.

I would also like to acknowledge the support and cooperation extended by different Line Departments, Research Institutions, SLBC, Banks, Farmers, Technical officers of NABARD and all others who have contributed to bringing out this Unit Cost booklet. I am sure that the booklet will serve as a ready reckoner to the financing banks, various Government Departments, Development Agencies etc. in identifying and financing of investment activities in agriculture and allied sector in the State. We solicit your suggestion for widening and improving the coverage of the booklet.

Nagesh Kumar Anumala
Chief General Manager

Introduction

NABARD had re-started the practice of fixing Unit Costs (UCs) for major activities from 2012-13 with a view to giving a fillip to investment credit under agriculture sector in the State. This year also NABARD has initiated the process of fixing/ finalizing Unit Costs for major agriculture and allied activities in the State. The basic objective of the exercise is to make available, benchmark costs started the practice of fixing Unit Costs (UCs) for major activities during 2012-13 with a view to giving a fillip to investment credit under agriculture sector under various investment activities to financial institutions and line departments and thereby help these agencies in deciding appropriate levels of financing for each activity, which in turn can help obviate “under” or "over" financing. In addition to the above, these Unit Costs also provided an indication of the expected benefits from each activity under ideal conditions. More importantly, the unit cost computations also provide a detailed breakup of various components/ parameters, which influence costs under various activities.

The process of annual revision in Unit Costs is carried out through a consultative process that involves various stakeholders like Banks, Government departments, Farmers and NGOs in the districts of the State through a panel of Technical Officers/members of the Regional Technical Advisory Group identified in NABARD and DDMs in the district.

Keeping the requirements of the stakeholders in view, NABARD, Kerala Regional office, has formulated Unit Costs for major activities under various farm sector activities for FY 2025-26. The Unit Costs were drawn up after detailed discussions with the concerned line departments, commodity boards, consultations with dealers/ vendors engaged in trading agricultural implements/ components, conduct of ground level studies and consultations with farmers in some instances.

It is reiterated that the Unit Cost finalized/ fixed by the SLUCC is only indicative/ illustrative, serving more as a pointer, for bankers and Government agencies engaged in supporting term lending under agriculture and allied activities.

1. Water Resources

	Particulars	Specifications	Unit cost (₹/ Ha)	Remarks
1	Dugwell	Dia: 1.5 m, using Depth: 5.0 m (RCC rings)	48500	• Repayment period – 11 to 15 years with 11 months gestation period (GP). Suitable for Alluvial formations. • Small land holdings upto 0.4 ha. • Cash crops should be grown at least for one season.
2	Dug Well	Dia: 2.0 m Depth: 6.0 m (RCC Rings)	66500	• Suitable for Alluvial formations. • Land holding should be more than 0.4 ha. • Cash crops should be grown at least for one season.
3	Dug Well (Hard rock areas)	Dia: 6.0 m Depth: 12.0 m (Thickness of steining - 0.45 m - 3m)	350000	• Suitable for land holdings more than 1.0 ha. • Cash crops should be grown at least for one season.
4	Deepening / Renovation of Wells by excavation (with RCC rings)	Depth: 3.0 m Dia: 3.0 m	25500	• Repayment period – 05 years with 11 months' gestation period (GP)
		Depth: 3.0 m Dia: 2.0 m	21000	
5	Filter Points	Dia: 4.5 inch, Depth: 9.0 m (Filter length 3m)	17000	• Small land holdings upto 0.4 ha.
6	Bore Wells	Dia: 150 mm Depth: 80 m	71000	• Repayment period – 11 to 15 years with 11 months' gestation period (GP). • Suitable for Hard rock areas. • Rs.800/m for each additional 1 m depth.
		Dia: 150 mm Depth: 100 m	85000	

	Particulars	Specifications	Unit cost (₹/ Ha)	Remarks
I. Pumping Systems				
1	Electrical Monoblock	1 hp	14300	• Repayment period – 9 years with 11 months' gestation period (GP)
		3 hp	25500	
		5 hp	33000	
2	Diesel Engines/ Pumpsets	3 hp	28000	• Repayment period – 9 years with 11 months' gestation period (GP)
		5 hp	32000	
II. Submersible Pumpsets				
1	SPS	3 hp	41000	• Repayment period – 09 years with 11 months gestation period (GP)
		5 hp	45000	
2	Pump house	2mx2mx2.1m - (with A.C roof and 60 cm x 90 cm ventilation)	30000	
3	Pipeline Distribution system	For well command (per ha)	30000	
4	Storage Tank	3mx3mx1.5 m	30000	
III. Drip Irrigation				
1	Coconut	8 x 8 m-spacing	31500	• Repayment period 10 years including 11 months GP. • Cost norms of Central & State sponsored schemes to be adopted wherever such schemes are in operation.
2	Banana	1.5 x 1.5 m	97245	
3	Arecanut	2.7 x 2.7m	67500	
4	Mango	10 x 10 m	27500	
5	Vegetables/ Close growing crops	1.2 m x 0.6 m (spacing)	128000	
IV. Sprinkler Irrigation				
1	Tea	Per ha	66000	• Repayment period 10 years including 11 months GP. • Cost norms of Central & State sponsored schemes to be adopted wherever schemes are in operation.

2	Various other crops	Per ha	53000	• Repayment period 10 years including 11 months GP
V. Others				
1	Small Lift Irrigation schemes	Per ha	87000	Repayment period – 7 to 9 years with 11 months' gestation period (GP)
2	Artificial recharge structures for Open/ B.W (Roof Top type)	Per structure (collection area of about 1000 sq. ft.)	30000	Repayment period – 5 years with 11 months' gestation period (GP)
3	Rain Water Harvesting Structures	Per structure	60000	Repayment period – 5 years with 11 months' gestation period (GP)
4	Solar powered DC surface pump of 2kWp	2 HP	300000	Repayment period – 9 years with 11 months' gestation period (GP)

Terms & Conditions

1. Ground Water Structures

(Construction of dug wells, bore wells and deepening of dug wells)

a) Bank shall ensure that the ground water development programmes are implemented in *'safe'* category blocks. In case of schemes for ground water extraction in *'semi- critical' and 'critical'* blocks, it shall ensure that application is submitted along with a favourable technical feasibility study report issued for same by competent authority of State Ground Water Department.

2. Spacing of wells

The following minimum spacing to be observed between wells while implementing the scheme.

a) Between two dug wells in high range region (Hilly tract) : 75 m
b) Between two dug wells/ filter points in midland and coastal area : 100 m
c) Between two bore wells : 200 m

3. Renovation/ Deepening of Wells

a) Renovation should cover only deepening (to a maximum of 3 metre) and incidental lining/ erection of rings (if necessary). Construction

of parapet wall, plastering of parapet wall, etc. should not be considered for financing.

b) Only those wells having insufficient water column during summer and need deepening to ensure adequate yield for meeting the water requirement of the crop shall be covered under the programme.

c) The spacing norms (as indicated at para 2 above) between wells (including wells for drinking purpose) may be adhered to under DoW also.

4. Electric Power supply

Before issuing loans for electrical pump set, the bank shall satisfy itself that timely power supply would be available to the beneficiary for operation of the pump set.

5. Minimum acreage and sale of water

It is necessary that the beneficiary has certain minimum area of land to be brought under irrigation to ensure financial viability of investment and repayment of loans within the prescribed period.

Structure	Benefiting Area (ha.)
Dug well with Pump set	1.0
Bore well with Submersible pump	1.6

If the beneficiary's own cultivated area is smaller than that which can be irrigated by well/ tube well/ bore well, the bank may advise the beneficiary that he can sell surplus water to other farmers. Income from sale of water, if any, may be reckoned for purpose of viability of investments up to a maximum of 50% of the loan repayment instalment.

6. Selection and Installation of Pump sets

a) The bank shall ensure that the pump sets financed under the scheme are selected and installed as per BIS 10804-2018 or latest edition.

b) Wherever loan is advanced for replacement of existing pump set by new pump set or for replacement of diesel pump set by electric pump set, the bank shall ensure that there is no change in the HP of the pump set and that the new pump set installed is as per BIS 10804-2018, or latest edition.

c) Bank shall ensure that the spacing criteria, as stipulated at Para.2 above, are adhered to, for the loans extended for pump sets also.

d) Wherever loans are advanced for standby pump set, the bank may ensure that the standby unit is also selected as per BIS 10804-2018 and that the loans, both for existing pump set and standby unit, are recovered together within the normal recommended repayment period.

e) Where higher HP pump set is required for use other than irrigation, with common prime mover, total HP of the pump set selected for agricultural use shall not exceed 1.5 times the HP required for irrigation purpose, subject to a maximum of 10 HP.

f) In case of second hand pump sets financed under the scheme, if any, the bank shall ensure that the balance serviceable life of the second hand pump set is adequate to cover the repayment period of the loan for pump set.

g) Capacitors: The electric motor financed should always be provided with a starter and a capacitor matching the motor. The following KVAR rating capacitors are recommended for use:

Below 3 HP	- 1 KVAR
3 HP to 5 HP	- 2 KVAR
5 HP to 7.5 HP	- 3 KVAR

7. After-Sales Services

a) The bank shall ensure that adequate after-sales services and repair facilities are provided by the manufacturers / dealers installing

the pump set on beneficiaries' wells and that such service is provided free of charge during the first year of installation.

b) Before advancing loans for underground pipelines for distribution system, bank shall verify the invoice order in regard to the quantity and quality of pipes required by the farmer and shall also ensure that the entire length of pipeline for which loans are advanced, are actually laid down.

8. Water Lifting Permission

The bank may ensure that water lifting permission is available for a period which will cover at least three more years longer than the repayment period of such loan sanctioned.

9. MICRO IRRIGATION SYSTEMS

a. Drip & Sprinkler Irrigation Systems

a) The bank should insist for a field layout map showing the benefiting area and item- wise cost estimate.

b) Availability of design discharge of suitable chemical and physical quality on a long-term basis should be ensured for smooth operation of the system. Water should be free from pollution and suspended particle to avoid chocking in the drips/ emitter nozzles.

c) The installing agency should furnish performance guarantee for the efficient operation of the system for a minimum of 3 years period as also ensure timely and adequate post sales-service for trouble-free working of the system. The system components to be installed should confirm to the BIS Specification.

d) Bank should ensure to safeguard the pipes (main and lateral drips), emitters, etc., against theft, robbery, fire, etc.

e) The bank should carry out periodic monitoring of the implementation and assess the performance of the system at the field level.

b. Sprinkler Irrigation

a) Water availability to be ensured.

b) The design of sprinkler system for the proposed cropping pattern should be done by a technically competent agency/person taking into consideration the source and availability of water, wind velocity in different seasons, soil conditions, agro-climatic situations, etc. to ensure installation of most economical and efficient system at the farm level.

c) A plan of the area showing field layout and cost estimate of the system should be prepared by the implementing agency and appraised by the bank.

d) The components of the system including pipes should conform to BIS standards.

e) The implementing agency/manufacturers should offer performance guarantee for the operation of the system for a reasonably longer period against any defect either manufacturing/ working or installation. The firm should extend regular post sales service for maintenance.

f) The sprinkler pipes, accessories, motor, etc., should be safeguarded against theft, fire, burglary, etc.

g) The bank should conduct periodic monitoring visits to assess the working performance of the system and take corrective steps, wherever required.

2. Land Development

	Activity	Unit cost (₹/ Ha)	
1	Reclamation of waterlogged soils by drainage		181300
2	Reclamation of Marshy and waterlogged land for Coconut and Banana		
	Depth of Water less than 1.0 m		226400
	Depth of Water above 1.0 m		906700
3	On Farm Development in Major/ Minor/ Medium Irrigation Commands		
	Slope of the land - 0.51-1.5%		94700
	Slope of the land - 1.5-2.5%		146700
	Slope of the land - 2.5-3.5%		177900
4	Puertorican type Contour Terrace with stone pitching to Risers / Contour bund	Without quarrying	With quarrying
	Slope of the land - 05.1-10.0	80700	101000
	Slope of the land - 10.1-15.0	98300	123000
	Slope of the land - 15.1-20.0	108400	135500
	Slope of the land - 20.1-25.0	114800	143500
	Slope of the land - 25.1-30.0	119300	149200
	Slope of the land - 30.1-35.0	122800	153500
5	Extension of Height of old Stone Pitched Contour Bunds	Without quarrying	With quarrying
	Slope of the land - 05.1-10.0	41000	51000
	Slope of the land - 10.1-15.0	49500	61500
	Slope of the land - 15.1-20.0	54000	68000
	Slope of the land - 20.1-25.0	58000	72000
	Slope of the land - 25.1-30.0	60000	75000
	Slope of the land - 30.1-35.0	62000	77000
6	Earthen Contour Bund		
	Slope of the land - 1.0-05.0		36800
	Slope of the land - 5.1-10.0		48300
	Slope of the land - 10.1-15.0		55100
	Slope of the land - 15.1-20.0		59600
7	Renovation of Earthen Contour Bund		
	Slope of the land - 1.0-05.0		18400
	Slope of the land - 5.1-10.0		24100
	Slope of the land - 10.1-15.0		27600
	Slope of the land - 15.1-20.0		29800
8	Bench Terracing	Without Stone Pitching	With Stone Pitching
	Slope of the land - 05.1-10.0	265700	332600
	Slope of the land - 10.1-15.0	319900	400800

9	Contour Trenches & Embankments	
	Slope of the land - 05.1-10.0	23100
	Slope of the land - 10.1-15.0	28900
	Slope of the land - 15.1-20.0	31200
	Slope of the land - 20.1-25.0	33500
	Slope of the land - 25.1-30.0	34700
	Slope of the land - 30.1-35.0	35800
10	Fencing	87500
11	Humus/Clay/Silt application in Coastal Sandy soils for Coconut Rehabilitation	
	0.9 cum / palm for 175 palms per year	67000
	For 3 years	201000

Terms and Conditions

a) Ensure that the contour bunds are constructed as per the specification prescribed by the State Soil Conservation Department.

b) The loan amount for soil conservation/land development works should be restricted with reference to actual slope of the land.

c) The bank should maintain the details regarding the type of land development work(s) proposed along with cost estimates in individual cases financed under the scheme.

d) The Bank's technical officer along with District Soil Conservation authorities may take up a monitoring study to ascertain whether the soil conservation works have been carried out as per the specifications or not.

e) Pre and post sanction visits are recommended.

f) While financing for reclamation of marshy and water logged lands, care may be taken to ensure its end use strictly for agricultural purposes.

g) Details such as contour map, estimate, designs, of structures etc. may be insisted, while financing land development, soil conservation activities in a contiguous area.

h) On farm development/ systematic land development works on the irrigated commands may be considered on the outlet/source basis. In the case of contiguous area, separate estimates for the earth works, irrigation/drainage channels, drips etc. may be insisted upon.

3. Farm Mechanization

	Activity	Amount (₹)	Remarks
I	**TRACTORS**		
1	Tractor 15-20 hp	300000 to 450000	Sonalika MM 18, Mahindra Yuvaraj 215NXT, New Holland Simba 20, Eicher 188 etc.
2	Tractor 20-40 hp	715000 to 750000	Mahindra 265 DI, Swaraj 735 FE, Eicher 380, John Deer 5105.
3	Tractor 40-70 hp	1065000 to 1100000	Mahindra 475 D I, Sonalika 745 D I, Swaraj 744 FE, John Deer 5310, New Holland 3630 TX etc.
4	Trailer/Trolley – 2-wheeler hydraulic tipping	85000 to 150000	Up to 3-ton capacity
5	Trailer/Trolley – 4-wheeler hydraulic tipping	150000 to 195000	Up to 5-ton capacity
II	**Land Development and Tillage Equipment**		
1	Reversible Mould Board Plough	70000 to 105000	2 to 3 furrows
2	Rotavator	120000 to 140000	30-36 blades
3	Cultivator	38000 to 70000	7 to 11 tynes spring loaded
4	Disc Plough	45000 to 70000	2- 3 discs
5	Cage Wheels with Stand and Leveller	55000 to 65000	Tractor mounted
6	Tractor mounted Land Leveler	22000 to 60000	7 to 11 feet
7	2 Bottom Reversible MB Plough cum Ridge	55000 to 70000	Tractor mounted
8	Cage Wheels - 2 Nos.	17500 to 25000	Upto 6 feet width
III	**Sowing and Planting equipment**		
1	Power operated Heavy Duty Auger	45000 to 80000	
2	Tractor Operated Post Hole Digger	65000 to 80000	
3	Tractor Mounted Bund Former	60000 to 120000	

4	Transplanter – Walk behind 4 rows to 8 rows	250000 to 450000	Mahindra, Yanmar and Kubota
5	Transplanter – 4 wheel, 8 row	1800000 to 1900000	Kubota
6	Transplanter – 4 wheel, 6 row	1300000 to 1500000	Kubota
7	Tractor drawn seed cum Fertilizer Drill	55000 to 90000	9 to 15 tynes
IV	**Intercultural equipment**		
1	Power Weeder	48000 to 65000	Up to 5 hp
2	Power operated Tiller	170000 to 235000	8 hp and above
3	Garden Tiller	56000 to 60000	Power- 5 to 5.5 hp
4	Tractor/Power tiller Operated Boom Sprayer	55000 to 70000	
5	Portable Power Sprayer	26500 to 30000	Discharge rate of 10 to 16 liter per minutes, Power- 2 to 5 hp
6	Knapsack Sprayer (Power/hand/battery operated)	5900 to 12000	16-liter capacity
7	Agriculture Drone (Medium Category)	650000 to 1000000	Drone Price including pilot training and license fee.
8	Bush cutter	24000 to 30000	
V	**Harvest and Post Harvest Equipment**		
1	Self-Propelled Combined Harvester	2600000 to 3000000	Power - 101 to 130 hp and harvesting capacity of 2-5 acres/hr
2	Tractor Mounted Combined Harvester	1600000 to 2000000	
3	Self-propelled Vertical Conveyer Reaper	105000 to 200000	Power- 5 to 7 hp and harvesting capacity of 1 acre/hr
4	Power Thresher (30 to 45 hp)	150000 to 200000	Threshing capacity of 1500 Kg to 2000 Kg/hr
5	Straw Bailer - Round (Tractor operated)	350000 to 370000	Compatible with 30 to 50 hp tractors
6	Coconut Climbing	2750 to 3500	Basic model

	Machine	3800 to 6500	Advanced with seating feature and high weight bearing capacity
7	Electric dryer	72000 to 290000	24 trays
		300000 to 395000	48 trays
8	Coconut dehusking machine	125000 to 220000	Capacity of 500 to 1000 nuts per hour
9	Arecanut Dehusker	115000 to 175000	Capacity of 350 to 500 Kg per hour.
10	Cleaner cum Grader	150000 to 225000	200 to 500 Kg capacity
11	Arecanut Climber	10000 to 25000	
12	Rubber Tapping Machine	30000	
13	Rubber Sheeting battery	180000	200 to 300 sheets per hour
14	Power operated Chaff Cutter	50000 to 200000	As per SMAM guidelines, GoI
15	Fruit plucker	8000 to 10000	
16	Mini Rice Mill	300000 to 480000	
17	Winnowing Fan	20000 to 60000	
18	Oil mill/ Expeller	600000 to 800000	
19	Straw baler	400000 to 479000	
20	Grinder/ Pulverizer	120000	
VI	**Machineries/ Equipments for Dairy and processing of dairy products**		
1	500 L Bulk milk chilling unit	700000	
2	1000 L Bulk milk chilling unit	750000	
3	2000 L Bulk milk chilling unit	1400000	
4	5000 L Bulk milk chilling unit	1700000	
5	10000 L Bulk milk chilling unit	2100000	
6	Cream separator	4000000	MAKE DE-LAVAL
7	Homogeniser	4000000	MAKE DE-LAVAL
8	Chain conveyor type can washer - 1000 LPH plant		
9	Chain conveyor type can washer - 2000 LPH plant		

10	Chain conveyor type can washer - 5000 LPH plant	1500000	600 can/ hour
11	Chain conveyor type can washer - 10000 LPH plant		
12	Plate heat exchanger - chiller - 1000 LPH	60000	
13	Plate heat exchanger - chiller - 2000 LPH	70000	
14	Plate heat exchanger - chiller - 5000 LPH	200000	
15	Plate heat exchanger - chiller - 10,000 LPH	250000	
16	Milk pump - 2000 LPH	35000	
17	Milk pump - 5000 LPH	38000	
18	Milk pump - 10000 LPH	40000	
19	Cream separator	4000000	
20	Homogeniser	4000000	
21	HTST pasteuriser - 100 to 500 LPH	100000 to 300000	
22	HTST pasteuriser - 1000 to 2000 LPH	500000 to 700000	
23	HTST pasteuriser - 5000 to 10,000 LPH	1000000 to 1500000	
24	Refrigeration system for dairy plants		
	Ice bank tank	200000 to 300000	
	Cold room medium size 8 x 8 x 8 ft	300000 to 400000	
	Build Cost	10000 per Sq.ft 8000 per MT	
25	Double jacketed SS Milk storage tank – 500 L	75000 to 100000	
26	Double jacketed SS Milk storage tank – 1000 L	100000 to 150000	
27	Double jacketed SS Milk storage tank – 5000 to 10000 L	250000 to 350000	
28	Milking Machine – Single Bucket – Vaccum Pump – 300 LPM	60000	
29	Milking Machine – Double Bucket – Vaccum Pump – 300 LPM	85000	

Terms and Conditions

a) The bank shall satisfy itself regarding cost of machine, cost of implements etc. by verification of quotations, invoice and bills from suppliers of reputed companies/ manufacturers.

b) The costs indicated are exclusive of taxes and installation charges of suppliers.

c) The machinery along with accessories shall be insured against accident risk, risk against fire and theft, covering entire loan period and relevant policy shall be assigned in bank's favour and assignment duly registered with insurance company.

d) The bank may satisfy itself with the selection of capacity of machinery and type of implements, based on estimated operational area of machinery, land holding of borrower, cropping pattern in the area, type of soil etc.

e) Cost norms of Central & State sponsored schemes to be adopted wherever such schemes are in operation.

f) The bank may satisfy itself that infrastructural facilities such as service and repair centers, supply of spare parts, fuel and lubricants are adequate in the area.

4. Plantation and Horticulture

	Activity	No. of plants/ ha	Unit cost (₹/ Ha)	Remarks
1	Arecanut	1350	845000	Repayment period-10 years with 06 years GP
2	Cardamom	1100	660000	Repayment period-08 years with 03 years GP
3	Cashew	175	235750	Repayment period-10 years with 06 years GP
4	Cocoa	400	127000	Repayment period-09 years with 05 years GP
5	Coconut (Rainfed)	175	266000	Repayment period-12 years with 07 years GP
6	Coconut (Irrigated)	175	338000	Repayment period-12 years with 07 years GP
7	Coffee (Arabica)	3000	200000	Repayment period-12 years with 05 years GP
8	Mango	175	160000	Repayment period-10 years with 05 years GP
9	Rubber	450	550000	Repayment period-10 years with 06 years GP
10	Tea estates	10800	400000	Repayment period-10 years with 05 years GP
11	Pepper	1000	330000	Repayment period-08 years with 04 years GP
12	Hi-Tech Farming			
12.1	Naturally ventilated poly house	10 cents	592000	Repayment period-07 years with 01 year GP
12.2	Rain Shelter house	100 sq.mt.	85000	Repayment period-05 years with 01 year GP

13	Rambutan	100	422500	Repayment period-08 years with 05 years GP
14	Nutmeg	160	511000	Repayment period-10 years with 05 years GP
15	Bee keeping with *Cerana indica*	25 + 25 colonies	162830	
16	Stingless Bee Culture	10+10 colonies in home steads in forest ecosystem	50000	
17	Jackfruit	156	195000	Repayment period-10 years with 05 years GP
18	Dragon fruit	3333	687000	Repayment period-07 years with 02 years GP
19	Mangosteen	204	525000	Repayment period-10 years with 05 years GP

Terms and Conditions

a) The recommended Package of Practices of Commodity Boards / KAU shall be followed.

b) Mixed cropping/ intercropping will be done wherever possible as in the case of coffee, areca nut, coconut, rubber, cocoa and cashew nut especially in the initial years of planting.

c) Installation of processing equipment, civil engineering works shall be carried out according to approved plans and designs.

d) The bank shall grant loans to individual beneficiaries based on a case by case appraisal and assessment of the repayment capacity of the borrowers.

5. Forestry and Waste Land Development

	Activity	Unit cost (₹/ Ha)
1	Teak	395400
2	Bamboo	248100
3	Mahagony	287400
4	Matti (Ailanthus)	285800
5	Melia Dubia - Pulpwood	278900
6	Melia Dubia - Plywood	189400
7	Solar Fencing for 1 KM	430000
8	Hanging Solar Fencing for 1 KM	910000

Terms and Conditions

a) The recommended Package of Practices shall be followed.

b) The beneficiaries may raise intercrops preferably leguminous crops during the first 4 to 5 years so as to improve returns from main investments.

c) The suggested soil conservation measures such as contour bunding etc., should be completed before the layout and digging for planting are taken up.

d) The bank shall grant loans to individual beneficiaries based on appraisal and assessment of the repayment capacity of the borrowers.

e) Bank may ensure that necessary clearances are available from Forest Department and also that Plantations are raised as per prevailing rules and regulations of the Forest Dept.

6. Animal Husbandry - Dairy

I. Cross Bred Cow

	Particulars	2 cows (1+1 unit)	5 cows (3+2 unit)	10 cows (5+5 unit)
	Fixed Capital			
1	Cost of animal/s	140000	350000	700000
2	Transportation cost	2000	3000	6000
3	Cost of shed 65 sq ft/animal (including calf), Rs.400-550/sq ft.	52000	178750	357500
4	Equipments (Vessels, Milk cans, ropes, milking machine, chaff cutter etc.)	2000	25000	80000
5	Insurance (@ 6.0 %)	8400	21000	42000
6	Dung pit and Bio gas plant	6000	14000	99990
		210400	**591750**	**1285490**
	Working Capital (1 month)			
7	Feed Cost	15970	39925	79850
8	Electricity & water	200	500	1000
9	Health/veterinary care	600	1500	3000
10	Labour charges	0	0	18000
11	Miscellaneous charges	1,000	2500	5000
	Total Working Capital (1 month)	**17770**	**44425**	**106850**
	Total (Rounded off)	**228000**	**636000**	**1392000**
	Unit cost (Less shed cost)	**176000**	**457000**	**1035000**

II. Graded Murrah Buffalo

	Particulars	2 Buffaloes (1+1 unit)	5 Buffaloes (3+2 unit)	10 Buffaloes (5+5 unit)
	Fixed Capital	(₹)	(₹)	(₹)
1	Cost of animals (@ ₹70000/ animal)	160000	400000	800000
2	Transportation cost	2000	4000	7500

3	Cost of shed 70 sq. ft./animal (including calf), ₹400-500/sq. ft., up to 2 animals kaccha/renovation of existing shed can be done	56000	192500	385000
4	Equipment (Vessels, Milk cans, ropes, Milking machine, chaff cutter etc.)	2000	27000	82000
5	Insurance (@ 6.0 %)	9600	24000	48000
6	Dung pit and Bio gas plant	6000	14000	99990
	Total Fixed Capital	**235600**	**661500**	**1422490**
	Working Capital (1 month)			
7	Feed Cost	15970	39925	79850
8	Electricity & water	200	500	1000
9	Health/veterinary care	600	1500	3000
10	Labour charges	0	0	18000
11	Miscellaneous charges	1,000	2500	5000
	Total Working Capital (1 month)	**17770**	**44425**	**106850**
	Total (Rounded off)	**253000**	**706000**	**1529000**
	Unit cost (Less shed cost)	**197000**	**514000**	**1144000**

III. Male Buffalo Calf rearing

	Particulars	**1 buffalo calf**	**2 buffalo calves**	**5 buffalo calves**	**10 buffalo calves**
	Fixed Capital	(₹)	(₹)	(₹)	(₹)
1	Cost of animal (6 month old)	18000	36000	90000	180000
2	Transportation cost	750	1000	2000	3500
3	Shed 35 sq. ft./animal, ₹400-500/sq. ft., upto 4 animals kaccha/	12250	24500	87500	175000

	renovation of existing shed can be done				
4	Equipment (Ropes, rings, etc.)	300	600	1500	3000
5	Insurance (@ 6.0 %)	1080	2160	5400	10800
6	Dung pit and Bio gas plant	2000	4000	10000	75000
	Total Fixed Capital	**34380**	**68260**	**196400**	**447300**
	Working Capital (8 months)				
7	Feed Cost	20002	40003	100008	200017
8	Electricity & water	375	750	1875	3750
9	Health/veterinary care	250	500	1250	2500
10	Labour charges	0	0	0	0
11	Miscellaneous charges	500	1000	2500	5000
	Total Working Capital	**21127**	**42253**	**105633**	**211267**
	Total (Rounded off)	**56000**	**111000**	**302000**	**659000**
	Unit cost (Less shed cost)	**44000**	**87000**	**215000**	**484000**

IV. Dairy - Composite rearing

	Particulars	**1 Milch cow+ 1 Heifer**	**3 Milch cow+ 2 Heifer**	**6 Milch cow+ 4 Heifer**
	Fixed cost	(₹)	(₹)	(₹)
1	Cost of heifer @₹29000/- per calf91-1.5 yr old)	29000	58000	116000
2	Cost of milch cow	70000	210000	420000
3	Transportation cost	1000	2500	5000
4	Cost of shed @₹400-500/Sq. ft.	40000	145750	291500
5	Equipment (Vessels, milk cans, ropes, chaff cutter etc.)	1500	2500	22500
	Insurance - heifer for 1 year @6%	1740	3480	6960
	Insurance - milch cow for 1 year @6%	4200	12600	25200

6	Dung pit and Bio gas plant	5000	11000	89994
	Total Fixed Capital	**152440**	**445830**	**977154**
	Working capital (3 months)			
7	Feed Cost	**30100**	**83615**	**167230**
8	Electricity & water	600	1000	1500
9	Health/veterinary care	750	1500	3000
10	Labour charges	0	0	0
11	Miscellaneous charges	1000	1500	2000
	Total Working capital (3 months)	**32450**	**87615**	**173730**
	Total (Rounded off)	**185000**	**533000**	**1151000**
	Unit cost (Less shed cost)	**145000**	**387000**	**860000**

Terms and Conditions:

a) Working capital cost is given for 1 month. Additional or subsequent working capital requirements can be met through KCC.

b) Banks at their discretion, based on the nature of infrastructure proposed in the project and the estimates/quotes obtained, may arrive at the eligible project cost.

7. Animal Husbandry – Poultry

I. Broiler rearing - Deep litter system

	Particulars	250 birds	500 birds	1000 birds
	Fixed cost	(₹)	(₹)	(₹)
1	Cost of shed @ Rs.400/sq.ft	100000	200000	400000
2	Equipment - Rs.40/bird	10000	20000	40000
3	Insurance	0	0	0
		110000	**220000**	**440000**
	Working capital			
4	Cost of DOC @Rs.30-35/chick	8750	17500	35000
5	Transportation cost	1250	2000	3000
6	Cost of feed @Rs.42/kg	42000	84000	168000
7	Cost of litter material @Rs.2.5/bird	625	1250	2500
8	Medical expenses @Rs.7.5/bird	1875	3750	7500
9	Labour	0	20000	40000
10	Electricity & water	327	654	1308
11	Miscellaneous expenses	2000	3000	4500
		56827	**132154**	**261808**
	Total (rounded off)	**167000**	**352000**	**702000**
	Unit cost (Less shed cost)	**67000**	**152000**	**302000**

II. Backyard poultry - Egg laying

	Particulars	15 birds - Deep litter system	15 birds - Cage system
	Particulars	(₹)	(₹)
	Fixed cost		
1	Cost of DOC at Rs.50 per bird	750	750
2	Cost of shed @Rs.325-400/sq.ft	6000	4022
3	Cost of cage	0	4500
4	Equipment - Rs.30/bird	450	450
		7200	**9722**
	Working capital (up to 22 weeks)		
5	Feed cost		
	Chick and grower phase (up to 22 weeks, 8.5 kg, Rs.28)	4335	4335

6	Cost of litter material @₹15/bird	225	0
7	Electricity & water	500	500
8	Medical expenses	500	500
9	Labour	0	0
10	Miscellaneous	1000	1000
		6560	**6335**
	Total (rounded off)	**13800**	**16100**
	Unit cost (Less shed cost)	**8000**	**8000**

III. Duck Rearing

	Particulars	200 Females and 35 Males	500 Females and 75 Males
		(₹)	(₹)
1	Ducklings – 3 months age at ₹160/- per bird	37600	92000
2	Portable enclosures	4000	6000
3	Feeding equipment	1500	2500
4	Concentrate feed @ 4.5 Kg/Bird @ ₹35/Kg.	37013	90563
5	Veterinary aid, transportation and other expenses	2500	3000
	Total (Rounded off)	**83000**	**194000**

IV. Duck Nursery (5000 Ducks)

	Particulars	Amount (₹)
1	Day old ducklings @₹25/duckling	125000
2	Portable enclosures	25000
3	Feeding equipment	5000
4	Shed - 3 silpolin sheets	11000
5	Fibre Boat	15000
6	Concentrate feed	68750
7	2 labours @ ₹750/- per day per person for 60 days	90000
8	Veterinary aid, transportation and other expenses	5000
	Total (Rounded off)	**345000**

V. Micro Cage Broiler (100 Birds)

	Particulars	Amount (₹)
	Fixed Cost	
1	Cost of shed @Rs.325/Sq ft	19500
2	Cost of cage (single tier 0.5 sq.ft/ bird)	25000
3	Cost of equipment @ Rs.30/bird	3000
4	Insurance cost	0
	Total Fixed Cost	**47500**
	Working capital	
5	Cost of DOC @Rs.30-35/per bird	3500
6	Cost of feed (4 Kg/bird @ Rs.42/Kg)	16800
7	Medical expenses at Rs.7.5/bird	750
8	Electricity & water	200
9	Miscellaneous	2000
	Total Working Capital	**23250**
	Total (Rounded off)	**71000**
	Unit cost (Less shed cost)	**51000**

VI. Quail rearing (100 birds) - layer

	Particulars	Cage system (₹)	Deep litter (₹)
	Fixed cost		
1	Cost of Chick	800	800
2	Cost of litter material	0	65
3	Cost of cages	4000	0
4	Cost of shed @Rs.400-450/sq. ft.	7520	12105
5	Cost of equipment (Feeder, waterer, brooder)	1000	1000
		13320	**13970**
	Working capital		
6	Feed cost		
6.1	Upto 7 weeks	3120	3120
6.2	8-32 weeks	21000	21000
7	Cost of medicines	200	200
8	Electricity cost	626	626
9	Miscellaneous cost	500	500
	Total Working Capital	**25446**	**25446**
	Total (rounded off)	**38800**	**39400**

VII. Quail rearing (100 birds) – Meat production

	Particulars	Cage system (₹)	Deep litter (₹)
	Fixed Cost		
1	Cost of chick	1000	1000
2	Cost of litter material	0	65
3	Cost of cages	4000	0
4	Cost of shed @Rs.400-450/sq. ft	7520	12105
5	Cost of equipment	1000	1000
	Total Fixed Cost	**13520**	**14170**
	Working Capital		
1	Feed cost	2000	2000
2	Cost of medicines	200	200
3	Electricity Cost	72	72
4	Miscellaneous Cost	500	500
	Total Working Capital	**2772**	**2772**
	Total (rounded off)	**16300**	**16900**

8. Animal Husbandry – Goat, Piggery, and Rabbit

I. Goat rearing

	Particulars	3 does	5 does	10 +1 Unit	19+1 Unit	100+5 Unit
	Fixed cost	(₹)	(₹)	(₹)	(₹)	(₹)
1	Cost of does (15-18 months of age)	39000	65000	130000	247000	1300000
2	Cost of Buck (1-1 1/2 years of age)	0	0	15000	15000	75000
3	Transportation cost	750	750	1500	3000	8000
4	Cost of shed including feeder & waterer - Conventional type - Adult	11298	18830	50470	72312	377700
5	Cost of shed including feeder & waterer - Conventional type - Young ones	15050	27090	54180	87720	464400
6	Equipment (ropes, rings, etc)	600	1000	2000	3500	6000
7	Chaff cutter	0	0	0	20000	42000
8	Insurance @ 8% per year	3120	5200	10400	19760	104000
9	Dung pit	1000	2000	3800	7500	25000
		70818	**119870**	**267350**	**475792**	**2402100**
10	Cost of shed including feeder & waterer - Hi tech - slatted floor (plastic crates) - Adult	19368	32280	86520	132572	692450
11	Cost of shed including feeder & waterer - Hi tech - slatted	25800	46440	92880	160820	851400

	floor (plastic crates) - young ones					
		89638	**152670**	**342100**	**609152**	**3103850**
	Working capital (9 months)					
12	Cost of concentrated feed					
	For Ram/Buck	0	0	1485	1485	7425
	For Ewe/Doe	3465	5775	11550	21945	115500
	For Lamb/Kid	3564	6237	12474	23701	124740
13	Cost of green fodder - cultivated	6750	11250	24750	45000	236250
14	Cost of dry fodder	1094	1823	4010	7290	38273
15	Veterinary aid (@Rs.75/adult, Rs.25/kid)	350	600	1275	2350	12375
16	Electricity	900	1125	1350	2700	6750
17	Labour	0	0	0	0	270000
18	Miscellaneous Charges	750	1250	2750	4000	10500
	Total Working Capital	**16873**	**28060**	**59644**	**108471**	**821813**
	Total (rounded off) Conventional	**88000**	**148000**	**327000**	**584000**	**3224000**
	Total (rounded off) Slatter floor	**107000**	**181000**	**402000**	**718000**	**3926000**
	Unit cost (Less shed cost)	**77000**	**129000**	**277000**	**512000**	**2846000**

Terms and conditions:

a) Cost of shed is given separately for conventional type and hi-tech slatted floor using plastic crates. In case of wooden slatter floor, 70-80% of given cost may be considered.

b) Additional or subsequent working capital requirements can be met through KCC

c) Banks at their discretion, based on the nature of infrastructure proposed in the project and the estimates/quotes obtained, may arrive at the eligible project cost.

II. Pig fattener unit

	Particulars	10 piglets	20 piglets
	Fixed cost	(₹)	(₹)
1	Cost of animals @ one month old	25000	50000
2	Transportation cost	750	1500
3	Cost of shed @₹600/ Sq. ft.	96000	192000
4	Equipment (cans for swill feed, ropes etc.)	1500	3000
5	Insurance	0	0
6	Dung pit and Bio gas plant @0.25 cubic ft. per adult animal	24998	49995
	Total Fixed Capital	**148248**	**296495**
	Working capital (6 months)		
	Feed cost		
7	Cost of concentrate @Rs.28-30/Kg, 70% of requirement	67620	135240
8	Cost of swill feed @Rs.4-6 per Kg, 30% of requirement	24840	49680
9	Veterinary aid (vaccination, deworming, castration etc.) @Rs.150 per animal	1500	3000
10	Electricity Charges	900	1800
11	Labour	0	0
12	Miscellaneous Charges	1500	3000
	Total Working Capital	**96360**	**192720**
	Total (Rounded off)	**245000**	**489000**
	Unit cost (Less shed cost)	**149000**	**297000**

III. Pig rearing and fattening unit

	Particulars	10+1 unit
	Fixed cost	(₹)
1	Cost of sows	250000
2	Cost of boar	30000
3	Transportation	2500

4	Cost of farrowing shed @₹600/Sq. ft.	135000
5	Cost of boar shed @₹600/Sq. ft.	39000
6	Cost of shed for dry/ pregnant sows @₹600/Sq. ft.	114000
7	Cost of shed for weaned piglets @₹600/ Sq. ft.	350000
8	Equipment (ropes, teeth clipper, swill feed cans etc.)	2000
9	Insurance	0
10	Bio gas plant	66660
	Total Fixed Capital	**989160**
	Working capital (7 months)	
11	Concentrate Feed @ Rs.28-30 per Kg.	
	Boar	14700
	Sows	103040
	piglets	370440
12	Cost of swill feed @Rs.4-6 per Kg	130560
13	Green fodder	3500
14	Veterinary aid	2575
15	Electricity & water	1400
16	Labour	105000
17	Miscellaneous expenses	2500
	Total Working Capital	**733715**
	Total (Rounded off)	**1723000**
	Unit cost (Less shed cost)	**1085000**

IV. Pig Breeder unit

	Particulars	10+1 unit
	Fixed cost	(₹)
1	Cost of sows	250000
2	Cost of boar	30000
3	Transportation	2500
4	Cost of farrowing shed @₹600/Sq ft	135000
5	Cost of boar shed @₹600/Sq ft	39000
6	Cost of shed for dry/ pregnant sows @₹600/Sq ft	114000
7	Equipments (ropes, teeth clipper, swill feed cans etc.)	2000
8	Insurance	0
9	Bio gas plant	57137
	Total Fixed Capital	**629637**

	Working capital (2 months)		
10	Concentrate Feed @ Rs.28-30 per Kg		
		Boar	4200
		Sows	29400
		piglets	31360
11	Cost of swill feed @Rs.4-6 per Kg		16520
12	Green fodder		1000
13	Veterinary aid		2575
14	Electricity & water		400
16	Miscellaneous expenses		2500
	Total Working Capital		**87955**
	Total (Rounded off)		**718000**
	Unit cost (Less shed cost)		**430000**

Terms and conditions:

a) Additional or subsequent working capital requirements can be met through KCC

b) Banks at their discretion, based on the nature of infrastructure proposed in the project and the estiamates/quotes obtained, may arrive at the eligible project cost.

V. Rabbit Rearing

	Particulars	10+2 Unit	20+4 Unit
	Fixed cost	(₹)	(₹)
1	Cost of does (6-12 months old)	10000	20000
2	Cost of bucks (1 year old)	2400	4800
3	Cost of shed (cage rearing within the shed)	20000	30000
4	Cages for buck and does ₹1000/adult	12000	24000
5	Cages for bunnies ₹1500/pen	15000	30000
6	Equipment - buck and does @ ₹75/animal	900	1800
7	Equipment - young ones @ ₹250/pen	2500	5000
8	Insurance	0	0
	Total Fixed Capital	**62800**	**115600**

Working capital (4 months)		
Concentrate @ Rs.34/kg- adult	9792	19584
Roughages - adult	576	1152
Concentrate @ Rs.34/kg- young ones after weaning	21420	42840
Roughages - young ones	840	1680
Electricity & water	1000	1400
Medicines and other expenses @ Rs.50 per adult animal	600	1200
Medicines and other expenses @ Rs.25 per young animal	1750	3500
Labour	0	48000
Total Working Capital	**35978**	**119356**
Total Rounded off to	**99000**	**235000**
Unit cost (Less shed cost)	**52000**	**151000**

9. Silage Production Unit – Large Scale

	Particulars	Cost	Remarks
	Fixed cost	(₹)	(₹)
1	Shed for machineries	70000	Covered area for tractor, trolley, baler, transporting truck
2	Labour & storage room	90000	Storage of baling film & others. Residing place for labours.
3	Storage area	60000	Open concrete floor
4	Tractor	750000	45-50 HP tractor
5	Trolley	250000	For transporting harvested fodder
6	PTO operated chaff cutter	150000	Shivashakti Agritech, Viswakarma Engineering, Saral Agro Pvt. Ltd.
7	Baler	1050000	Cornext MSB500 (semi-automatic)
8	Transporting vehicle	2100000	Bharat Benz 2623R for distribution
9	Office and accessories	100000	Room, furnitures, system etc.
	Total Fixed Capital	**4620000**	
	Working capital (4 months)		
10	Maize fodder	1202985	On field procurement at Rs.2.1/kg. Operational on 245 days in a year i.e. 67%. 19 MT at 8 hrs of operations in a day.
11	Baling film	501244	Cornext baling film @ Rs.875 per ton
12	Labour	355500	"Harvesting – 10 Loading & transporting – 3 Baling – 3 Office personnel & sourcing – 1 Distribution - 2 Cost vary from Rs.600-1000/day
13	Fuel	240600	Harvester, transporting, and distribution
14	Electricity	2010	Baler and office
15	Service & maintenance	0	

Total Working Capital	**2302339**	
Unit cost	**6922339**	

10. Fisheries Development

I Freshwater fisheries

	Particulars	Specification/ Unit Size	Amount (₹)
1	**Country boat for fishing**		24000
2	**Composite fish culture – New pond**	1 Ha	
i	**Capital cost**		
	Construction of pond including digging, bund construction and compaction (using earth moving equipment)		200000
	Sluice/pipes		10000
	Diesel pump set (5 HP)		28000
	Store Room/pump room		25000
	Nets, cage. Happa and other implements		45000
	Total Capital cost (A)		308000
ii	**Recurring cost for one crop**		
	Lime	500 kg	6000
	Single Super Phosphate	250 kg	2250
	Urea	125 kg	1125
	Cow dung	6 T	24000
	Fish Seed Catla (2000), Rohu (1500) and Mrigal (1500) – advanced fingerlings	5000 Nos	4500
	Fish feed	3750 kg	127500
	Charges for pumping, harvesting, miscellaneous etc.		25000
	Total Recurring Cost (B)		190375
	Unit Cost (A)+(B)		**498375**
	Rounded off		**498000**
3	**Fresh water Prawn farming in Ponds**	1 Ha	
i	**Capital cost**		
	Earth work-excavation*		260000
	Sluice gates	15000x2	30000
	Pumpset	5 HP	28000
	Watchman shed/Feed store		50000
	Miscellaneous		10000
	Total capital cost (A)		378000
ii	**Recurring cost for one crop**		
	Lime	300 kg	3600
	Cow dung	2 ton	8000
	Inorganic fertilizer	75 kg	1350

	Particulars	Specification/ Unit Size	Amount (₹)
	Prawn seed	50000	42500
	Feed	1800 kg	95000
	Pumping charges		10000
	Watch & ward	5 months	30000
	Harvesting charges		8500
	Total recurring cost (B)		198950
	Unit Cost (A+B)		**576950**
	*Mechanical excavation		
4	**Paddy cum Fish farming (with coconut & banana)**	1 Ha+100 coconut+160 banana	
i	**Capital cost**		
	Strengthening of bunds	400 cum	91200
	Construction of nursery bund	150 cum	34200
	Sluice gate	1	8000
	Net & Miscellaneous		2000
	Total capital cost (A)		**135400**
ii	**Recurring cost for one crop**		
	Lime	250 kg	3000
	Cow dung	2 ton	8000
	Fish seed	6000	5100
	Feed	1000 kg	42500
	Harvesting charges		5000
	Cost of cultivation of coconut/banana		12000
	Total recurring cost (B)		75600
	Unit Cost (A+B)		**211000**
5	**Coconut-cum-Prawn farming in existing coconut groves with canals**	1 Ha	
i	**Capital cost**		
	Formation of mounds, bunds	175 mounds 12 bunds 11 trenches	120000
	Sluice gates	2 Nos	16000
	Pumpset		28000
	Net mending accessories & Miscellaneous		4000
	Total capital cost (A)		168000
ii	**Recurring Cost**		
	Cost of cultivation of coconut-175 palms*		48000

	Particulars	Specification/ Unit Size	Amount (₹)
	Cost of cultivation of banana-350 plants*		30000
	Recurring cost for one crop of prawn (1st crop)		75000
	Total recurring cost (B)		153000
	Unit Cost (A)+(B)		**321000**
6	**Prawn farming in Kole lands**	1 Ha	
i	**Capital cost**		
	Strengthening of bunds	600 cum	136800
	Construction of nursery bund	150 cum	34200
	Sluice gate	1	25000
	Net mending accessories & Miscellaneous		25000
	Total capital cost (A)		221000
ii	**Recurring cost for one crop**		
	Pond preparation		12000
	Lime	250 kg	3000
	Cow dung	2 ton	8000
	Inorganic fertilizer	75 kg	1350
	Prawn seed	50000	42500
	Feed	1800 kg	90000
	Harvesting charges		20000
	Total recurring cost (B)		176850
	Unit Cost (A)+(B)		**397850**
	Rounded off		**397000**
7	**One Paddy One Fish in Kuttanad and Kole areas**	1 ha	
i	**Capital cost**		
	Strengthening of bunds		100000
	Net & Miscellaneous		20000
	Total capital cost (A)		120000
ii	**Recurring cost for one crop of fish**		
	Pond preparation		8000
	Lime	500 kg	6000
	Cow dung	2 ton	8000
	Inorganic fertilizer		3500
	Fish fingerlings	5000	27500
	Feed	3250 kg	105600
	Harvesting charges		10000
	Total recurring cost (B)		168600

	Particulars	Specification/ Unit Size	Amount (₹)
	Unit Cost (A+B)		**288600**
8	**One Paddy One Fish in Kuttanad and Kole padasekharams**	100 ha	
i	**Capital cost**		
	Bund construction for nursery	4800 cum	1104000
	Pump, motor, lighting and accessories		30000
	Bird cover net for nursery		50000
	Watchman shed		15000
	Net & Miscellaneous		20000
	Total capital cost (A)		1219000
ii	**Recurring cost for one crop of fish**		
	Nursery preparation		15000
	Lime	5000 kg	60000
	Cow dung	60 ton	240000
	Fish seed	300000	180000
	Feed	14000 kg	455000
	Medicines, test etc.		5000
	Harvesting charges		20000
	Total recurring cost (B)		975000
	Unit Cost (A+B)		**2194000**
9	**Re-Circulatory Aquaculture System (RAS)**	**40 m³** (5mx5mx1.6 m)	
i	**Capital Cost**		
	Fish tank and bed with polythene lining & bio-fencing with PVC roof sheet and side orchid netting		200000
	Bio filtration with clarifier		17000
	Plumbing and airline		35000
	Electrification		20000
	Water pump (80 w)	2 nos.	16000
	Air pump (90 w)	2 nos.	16000
	Inverter (2 KVA) and tubular battery (150 AH)		37600
	Generator (1 KV)		81000
	Water quality test equipment, nets, utensils etc.		10000
	Setting up of tank – labour charges		35500
	Miscellaneous		7200

	Particulars	Specification/ Unit Size	Amount (₹)
	Total Capital Cost (A)		475300
ii	**Recurring cost for one crop**		
	Fish seed – GIFT	4000 nos.	32000
	Vegetable seedlings		2000
	Pellet feed (FCR 1.5:1)	2400 kg	78000
	Fuel & electricity		19500
	Chemicals, probiotics, medicines etc.		7000
	Miscellaneous		6200
	Total recurring cost (B)		144700
	Unit Cost (A+B)		**620000**
10	**Cage Farming of Fish in Freshwater**	60 m^3 (2 cages) (4mx3mx2.5 m)	
i	**Capital Cost**		
	HDPE outer and inner cages (4m X 3m X 2.5 m)	2 nos.	48000
	Substitute net cage for exchange and keeping fry	1 no.	11000
	GI pipe, floating materials and other accessories	2 nos. of cage & 1 substitute cage	38000
	Fixing and fabrication of the cage	2 nos.	22000
	Canoe, watchman shed, solar lighting etc.		70000
	Miscellaneous		5000
	Total Capital Cost (A)		194000
ii	**Recurring cost for one crop**		
	Cost of fish seed	4800 nos.	40800
	Cost of pellet feed (FCR 1.5 : 1)	2800 kg	140000
	Disinfectants, medicines		5000
	Miscellaneous		5660
	Total Recurring Cost (A)		191460
	Unit cost (A + B)		**385460**
	Rounded off		**385000**
11	**Ornamental Fish Breeding**	Models as per NFDB norms	
a)	**Ornamental fish breeding -Backyard hatchery**		100000

	Particulars	Specification/ Unit Size	Amount (₹)
b)	**Ornamental fish breeding-Medium scale unit** Note: Cost is indicative only; actual cost to be based on quotation Above rate is as per the norms of NFDB		800000
12	**Indigenous Catfish Farming in pond**	1 Ha	
i	**Capital Cost**		
	Repair and strengthening of bund		145000
	Bird cover, lighting, bio fencing, rearing cages etc.		90000
	Lighting, electrification		7000
	Water pump (3 HP)		25000
	Cage/pen/happa for nursery rearing		28000
	Miscellaneous including CCTV, weighing machine, water quality testing kit etc.		65000
	Total Capital Cost (A)		360000
ii	**Recurring cost for one crop**		
	Pond preparation		
	Bleaching powder	250 kg	8200
	Lime	1000 kg	6000
	Dolomite	400 kg	4800
	Manuring	5 ton	40000
	Fish Seed	100000 nos.	450000
	Live fish		10000
	Pellet feed (FCR 1.2:1)	12000 kg	450000
	Fuel & electricity charges		16000
	Miscellaneous		15000
	Total Recurring Cost (B)		1000000
	Unit Cost (A+B)		**1360000**

13	Murrel seed production	Unit rate (₹)	Quantity	Amount (₹)
A	**Infrastructure development cost**			
1	Breeding cum rearing pond (4 m dia./4x4 m)	10,000/ no	10 Nos.	1,00,000
2	Broodstock cum Moina culture pond (1000 m^2)	35,000/ no	1 No.	35,000
3	Rearing tank (5m dia)	15,000/ no	2 No.	30,000
4	Water pump –portable type	25,000/ no	1 No.	25,000

5	Happa (2x2x1.5)	2,200/ no	4 Nos.	8,800
6	Net, utensils		LS	5,200
7	Water supply arrangements		LS	5,000
8	Roofing			15,000
9	Contingency			1,000
	Sub Total (A)			**2,25,000**
B	**Operational cost**			
1	Bleaching powder (30% Av. Cl)	35/ kg	50 kg	1,750
2	Agri lime	16/ kg	150 kg	2,400
3	Dolomite	12/ kg	50 kg	600
4	Raw cow dung (or equivalent fertilizer)	5/ kg	600 kg	3,000
5	Mineral and salts			500
6	Live feed inoculums (Moina)		LS	5,000
7	Murrel brood fish	500/kg	50	25,000
8	Murrel advanced fingerling	20/ no	1,000 No.	20,000
9	Live forage fish adult	1/ no	2,000 No.	2,000
10	Extruded pellet feed	90/ kg	80 kg	7,200
11	Chopped trash fish etc.	30/ kg	200 kg	6,000
12	Fuel & electricity charges		LS	3,000
13	Packing material	180/ kg	10 kg	1,800
14	Labour hiring charges	660/ no	8Nos	5,280
15	Contingency			1,470
	Sub Total (B)			**85,000**
	Grant Total			**3,10,000**

	Particulars	**Specification/ Unit Size**	**Amount (₹)**
14	**Backyard seed production of Murrel**	(0.1 million capacity)	
i	**Capital Cost**		
	Brood stock cum rearing pond (4 m dia., 4x4 m)		20000
	Broodstock cum Moina culture pond (1000 sq. m)		20000
	Forage Fish culture pond (400 sq. m)		12000
	Water pump - portable type		25000
	Cement/FRP tank (1.5 m dia., 0.75 m height)		20000
	Water supply arrangements		3000

	Particulars	Specification/ Unit Size	Amount (₹)
	Bird net cover, side nets		10800
	Happa (2x2x1.5m)		6000
	Nets, utensils, breeding substrate, oxygen cylinder etc.		2000
	Miscellaneous		1200
	Total Capital Cost (A)		120000
ii	**Recurring cost for one crop**		
	Agri. lime, dolomite, bleaching powder, cow dung etc.		6550
	Brood fish	20 kg	10000
	Advanced fingerlings	1000 Nos.	20000
	Live feed inoculums		5000
	Live forage fish	2000 No.	2000
	Pro-biotics	2 litre	400
	Pellet feed	150 Kg	13500
	Chopped trash fish		15000
	Fuel & electricity charges		3000
	Packing materials		1800
	Labour, Miscellaneous		2750
	Total Recurring Cost (A)		80000
	Unit cost (A + B)		**200000**
15 (a)	**Nile Tilapia Farming in Bio-secured Pond**	1 Ha	
i	**Capital Cost**		
	Repair and strengthening of bund		91000
	Bird cover, lighting, bio fencing, rearing cages etc.		90000
	Electrification		3500
	Water pump (3 HP)		28000
	Aerator (2 HP)	2 nos.	90000
	Labour charges		11060
	Miscellaneous including CCTV, weighing machine, water quality testing kit, etc.		56440
	Total Capital Cost (A)		370000
ii	**Recurring cost for one crop**		
	Pond preparation		
	Bleaching powder	300 kg	10500
	Lime	1000 kg	6000
	Dolomite	400 kg	4800
	Manuring	5 ton	16000
	Fish Seed	30000 nos.	255000

	Particulars	Specification/ Unit Size	Amount (₹)
	Pellet feed (FCR 1.5:1)	18000 kg	900000
	Pro-biotics	20 litres	4000
	Fuel & electricity charges		21000
	Miscellaneous		14700
	Total Recurring Cost (B)		1232000
	Unit cost (A+B)		**1602000**
15 (b)	**Nile Tilapia Farming in Bio-secured Pond**	0.5 Ha	
i	**Capital Cost**		
	Repair and Strengthening of bund		44000
	Bird cover, lighting, bio-fensing, rearing cages, etc.		50000
	Water pump 3 HP		28000
	Aerator 2 HP	1 nos	45000
	Electrification		3500
	Labour		12000
	Misc. CCTV, Testing kit, Weighing balance, etc.		28000
	Total Capital Cost (A)		210500
ii	**Recurring cost for one crop**		
	Pond preparation		
	Bleaching powder	150 kg	5250
	Lime	500 kg	3000
	Dolomite	200 kg	2400
	organic Manuring	2.5 ton	8000
	Fish seed	15000 nos.	127500
	Feed (FCR- 1.5:1)	9000 kg	450000
	Fuel & Electricity charges	LS	20000
	Probiotics	10 litres	2000
	Miscellaneous	LS	8000
	Total Recurring Cost (B)		**626150**
	Unit Cost (A+B)		**836650**
	Rounded off		**837000**
16	**Pangassius Farming in Bio-secured pond**	1 Ha	
i	**Capital Cost**		
	Repair and strengthening of bund		180000
	Bird cover, lighting, bio fencing, rearing		45000

	Particulars	Specification/ Unit Size	Amount (₹)
	cages etc.		
	Water pump (3 HP)		25000
	Aerator (2 HP)	2 nos.	90000
	Total Capital Cost (A)		340000
ii	**Recurring cost for one crop**		
	Pond preparation		10000
	Bleaching powder	300 kg	6000
	Lime	1000 kg	12000
	Dolomite	400 kg	4800
	Manuring	5 ton	20000
	Fish Seed	25000 nos.	100000
	Pellet feed (FCR 1.1:1)	44000 kg	1408000
	Fuel & electricity charges		20000
	Miscellaneous		20000
	Total Recurring Cost (B)		1600800
	Unit Cost (A+B)		**1940800**
17	**Fresh water fish culture with Biofloc Unit**	5 m x 1.5 m	
i	**Capital Cost**		
	Biofloc tank - 550 GSM (PVC coated HDPE sheet 5 m dia. & 1.5 m height)		38000
	Roofing		7200
	Electrification, Plumbing and Aeration		6500
	Air pump (120 -140 litre/min)	2 Nos.	15000
	Generator		20000
	Biofloc cone, water quality testing kit		7500
	Miscellaneous		10000
	Total Capital Cost (A)		104200
ii	**Recurring cost for one crop**		
	Fish seed	1250 Nos.	10000
	Fish feed (40% protein)	50 Kg	2750
	Fish feed (24-32% protein)	450 Kg	22500
	Medicines, Probiotics		2500
	Carbon source (Maize, rice, wheat, molasses, sugar, jaggery), culture media		6000
	Fuel and electricity charges		5000
	Miscellaneous		15000
	Total Recurring Cost (B)		63750
	Unit Cost (A+B)		**167950**

	Particulars	Specification/ Unit Size	Amount (₹)
	Rounded off to		**168000**
18	**Homestead Fish Farming**	2 cents	
i	**Capital Cost**		
	Excavation of pond and bund construction	80 cum	18400
	Polythene sheet (>550 micron) and accessories	1 No.	38000
	Water pump 0.5 HP or central drain	1 No.	4000
	Venturi pump	1 No.	10000
	Covering net	5 Kg	1800
	Miscellaneous		1800
	Total Capital Cost (A)		74000
ii	**Recurring cost for one crop**		
	Fish seed	1000 Nos.	6000
	Fish feed (for fingerlings)	60 Kg	3000
	Fish feed	1000 Kg	38000
	Probiotic, medicines etc.		2000
	Total Recurring Cost (B)		49000
	Unit Cost (A+B)		**123000**
19	**Fish cum Pig Integrated Farming**	1 acre - 10 pigs	
i	**Capital cost**		
	Construction of pig shed	150 sq.ft	15000
	Improvement/repair of bund		10000
	Net & Miscellaneous		5000
	Total capital cost (A)		30000
ii	**Recurring cost-Piggery**		
	Cost of piglets	10	15000
	Feed concentrate	900	22500
	Feed hotel waste	200 kg	2000
	Insurance	50	500
	Medicine & Miscellaneous	50	500
	Total recurring cost piggery		**40500**
iii	**Recurring cost-Fish culture**		
	Pond preparation & liming		15000
	Fish fingerlings	2500	2500
	Harvesting/watch & ward		15000
	Total Recurring cost fish		32500

	Particulars	Specification/ Unit Size	Amount (₹)
	Total recurring cost (B)		73000
	Unit Cost (A+B)		**103000**
20	**Fish-cum-Duck Farming**	1 Ha - 300 ducks	
i	**Capital cost**		
	Construction of duck house	3 sq. ft. x 300	90000
	Improvement/repair of bund		20000
	Net & Miscellaneous		5000
	Feeding equipment's & misc.		1000
	Total capital cost (A)		116000
ii	**Recurring cost-Duckery**		
	Ducklings	300	30500
	Supplementary Feed	6 kg	36000
	Veterinary aid		1000
	Total recurring cost-duckery		67500
ii	**Recurring cost-Fish culture**		
	Pond preparation & liming		15700
	Fish fingerlings	6000 Nos.	4800
	Harvesting/watch & ward		20000
	Recurring cost-fish Total		40500
	Total recurring cost (B)		108000
	Unit Cost (A+B)		**224000**

Biofloc farming of Vannamei - Unit of 20 m³

	Particulars	Unit Rate (₹)	Quantity	Amount (₹)
A.	**Infrastructure development cost**			
1.	Biofloc tank (550 GSM tank of 5m dia.) with provision for nursery rearing	36,000	1 no.	36,000
2.	Roofing			5,900
3.	Electrification/Plumbing/Aeration			6,000
4.	Air pump (120-140 lit/min)	7,000	3 no.	21,000
5.	Generator/Inverter	17,000	1 no.	17,000
6.	Biofloc cone	1,200	1 no.	1,200
7.	Electronic balance, barrel, net			5,000

8.	Contingency			1,500
	Sub Total			**93,600**
B.	**Operational cost for fish**			
1.	Fish seed (4-6 cm)	5/no.	1250 no.	6,250
2.	Feed	75/kg	500 kg	37,500
3.	Carbon source (wheat flour, jaggery, maize, corn)	50/kg	160 kg	8,000
4.	Medicine, probiotics			1,250
5.	Fuel, electricity charges			2,800
6.	Water quality testing kit			4,000
7	Contingency			1,100
	Sub Total			**60,900**
	Grand Total (A+B)			**1,54,500**
C	**Operational cost for Vannamei shrimp (optional, if outside CRZ area)**			
1.	Seed SPF (PL 12-14)	40/ 100 no.	8000 no.	3,200
2.	Feed	100/kg	160 kg	16,000
3.	Carbon source (wheat flour, jaggery, maize, corn)	50/kg	50 kg	2,500
4.	Medicine, probiotics			1,500
5.	Fuel, electricity charges			4,000
6.	Water quality testing kit			6,000
7.	Contingency			1,800
	Sub Total			**35,000**

Biofloc farming of Vannamei - Unit of 50 m³

	Particulars	Unit rate (₹)	Quantity	Amount (₹)
A.	**Infrastructure development cost**			
1	Biofloc tank (4 tanks having a total volume of 50 m³)			1,10,000
2	Water pump 1/2hp	4,000/ no.	1 no.	4,000
3	Blower (1.5 hp) or equivalent	14,000/ no.	2no.	28,000
4	Generator (2 KV)	84,000/ no.	1 no.	84,000
5	Temporary roofing [Shade net, UV resistant PVC sheet and supporting measures]		LS	25,000
6	CCTV	12,000/ no.	1 no.	12,000

7	Electronic weighing balance (Min 10 kg)	5,000/ no.	1 no.	5,000
8	Biofloc cone			1,200
9	Nets, Utensils	2,000/ set	1 set	2,000
10	Plumbing, airline & air points		LS	12,000
11	Electrification & lighting		LS	12,000
12	Name board (Metal)	4,000/ no.	1 no.	4,000
13	Contingency			800
	Sub Total (A)			**3,00,000**
B. Operational cost				
1	Vannammei shrimp seed SPF (PL 12-14) @ 400/m³	40/100 no.	20000 no.	8,000
2	Feed, 24-32% protein	100/ kg	400 kg	40,000
3	Chemicals, Medicines, Probiotics		LS	4,000
4	Carbon sources	50/kg	125 kg	5,250
5	Fuel & electricity		LS	11,750
6	Water quality test equipment	7,000/ no.	1 no.	6,000
7	Contingency			2,000
	Sub Total (B)			**77,000**
	Grant total			**3,77,000**

Biofloc farming of Vannamei - Unit of 160 m³

	Particulars	Unit rate (₹)	Quantity	Amount (₹)
A. Infrastructure development cost				
1	Biofloc tank (2-8 tanks having a total volume of 160 m³)			1,56,000
2	Water pump 1/2hp	4,000/ no.	1 no.	4,000
3	Blower (2hp) or equivalent	17,000/ no.	3no.	51,000
4	Venturi pump 370 w (470l/m)	8,000/ no.	2 no.	16,000
5	Generator (Automatic 5-7 KV)	2,00,000/ no.	1 no.	2,00,000
6	Temporary roofing [Shade net, UV resistant PVC sheet and supporting measures]		LS	50,000
7	CCTV	12,000/ no.	1 no.	12,000
8	Electronic weighing balance (Min 10 kg)	5,000/ no.	1 no.	5,000
9	Biofloc cone			1,200

10	Nets, Utensils	2,000/ set	1 set	2,000
11	Plumbing, airline & air points		LS	24,000
12	Electrification & lighting		LS	24,000
13	Name board (Metal)	4,000/ no.	1 no.	4,000
14	Contingency			800
	Sub total (A)			**5,50,000**
B. Operational cost				
1	Vannammei shrimp seed SPF(PL 12-14) @ 400/m^3	40/100 no.	64000 no.	25,600
2	Feed, 24-32% protein	100/ kg	1000 kg	100,000
3	Chemicals, Medicines, Probiotics		LS	12,000
4	Carbon sources	50/kg	500 kg	25,000
5	Fuel & electricity		LS	28,000
6	Water quality test equipment	7,000/ no.	1 no.	6,000
7	Contingency			3,400
	Sub total (B)			**2,00,000**
	Grant total			**7,50,000**

II Brackish Water Fisheries

	Particulars	Specification/ Unit Size	Amount (₹)
1	**Modified Extensive Shrimp farming**	1 Ha	
i	**Capital cost**		
	Repair and strengthening of bund	1500 cum	210000
	Sluice gate		29000
	Pumpset 5 HP		28000
	Diesel pumpset standby 5 HP		28000
	Watchman shed		20000
	Electrification		15000
	Miscellaneous		20000
	Total Capital cost (A)		350000
ii	**Recurring cost for one crop**		
	Pond preparation		12000
	Pisciside		8000
	Lime	1000 kg	12000
	Dolomite	400 kg	4800
	Yeast	500 kg	5000

	Particulars	Specification/ Unit Size	Amount (₹)
	Cow dung	1 ton	4000
	Probiotics	200 litre	4000
	Shrimp seed	60000	36000
	Feed (FCR 1:1.5)	1950 kg	195000
	Fuel & electricity charges		12000
	Watch & ward		20000
	Harvesting & marketing		20000
	Total recurring cost (B)		332800
	Unit Cost (A+B)		**682800**
2	**Modified Extensive Shrimp farming with zero water exchange**	1 Ha	
i	**Capital cost**		
	Repair and strengthening of bund	1500 cum	210000
	Bird cover, lighting, Bio fencing		26000
	Pumpset 3 HP		25000
	Aerator (2 HP)	2 nos.	90000
	Watchman shed		20000
	Total Capital cost (A)		371000
ii	**Recurring cost for one crop**		
	Pond preparation		11000
	Bleaching powder	300 kg	6000
	Lime	1000 kg	12000
	Dolomite	400 kg	4800
	Yeast	500 kg	5000
	Probiotics – type A	200 litre	4000
	Probiotics – type B	2500 litre	15000
	Shrimp seed	60000	36000
	Feed (FCR 1:1.5)	1950 kg	195000
	Fuel & electricity charges		10000
	Watch & ward		20000
	Harvesting & marketing		20000
	Total recurring cost (B)		338800
	Unit Cost (A+B)		**709800**
3	**Vannamei Shrimp Farming (Zero water exchange)**	1 Ha	

	Particulars	Specification/ Unit Size	Amount (₹)
i	**Capital cost**		
	Repair and strengthening of bund including PE lining & ETP		250000
	Bird cover, lighting, Bio fencing		50000
	Pumpset 5 HP	2 nos.	85000
	Aerator (2 HP)	4 nos.	180000
	Watchman shed, store, pump house, canoe, electrical installation etc.		125000
	Total Capital cost (A)		690000
ii	**Recurring cost for one crop**		
	Pond preparation		10000
	Bleaching powder	300 kg	6000
	Lime	1000 kg	12000
	Dolomite	400 kg	4800
	Yeast	500 kg	5000
	Probiotics – type A	200 litre	4000
	Probiotics – type B	2725 litre	16350
	Shrimp seed	500000 Nos.	250000
	Seed quality test		4000
	Feed (FCR -1:1.15)	9600 kg	768000
	Fuel & electricity charges		26000
	Watch & ward		20000
	Harvesting & marketing		20000
	Total recurring cost (B)		1146150
	Unit Cost (A+B)		**1836150**
4	**Brackish water Fish Farming**	1 Ha	
i	**Capital Cost**		
	Renovation of pond		150000
	Aerator & accessories	2 nos.	90000
	Pumpset 3 HP		25000
	Watchman shed, pump house, electrical installation etc.		45000
	Cost of cage/happa for rearing fingerlings		40000
	Total Capital cost (A)		350000
ii	**Recurring cost for one crop**		

	Particulars	Specification/ Unit Size	Amount (₹)
	Pond preparation including liming and manuring		10000
	Cost fish seed – Milk fish, Mullet & Pearlspot	5000 nos.	40000
	Supplementary feed	3375 kg	135000
	Electricity charges		10000
	Miscellaneous		5000
	Total Recurring expenses (B)		200000
	Unit Cost (A+B)		**550000**
5	**Cage Farming of Fish in Brackish water**	4m x 3m x 2.5m	
i	**Capital Cost**		
	Cost of cage 1.25" B class pipe one cage frame (4x3x2.5m) and two HDPE outer and inner nets (3x2.5x2m)		55000
	Substitute cage net for exchange	3 set	15000
	Mooring, ballast and floats		40000
	Canoe		25000
	Shed cum store		25000
	Equipment/tools/accessories		21000
	Total Capital Cost (A)		181000
ii	**Recurring cost for one crop**		
	Cost of fish seed	Sea bass - 300 nos. Pearlspot – 3800 nos.	52800
	Nursery rearing happa		2500
	Cost of feed (floating feed for pearlspot)	1140 kg	85500
	Cost of feed (trash fish)	1080 kg	27000
	Labour cost for 8 months		0
	Miscellaneous		9700
	Total Recurring Cost (A)		177500
	Unit cost (A + B)		**358500**
6	**Backyard hatchery for Pearlspot – Model I**		

	Particulars	Specification/ Unit Size	Amount (₹)
i	**Capital Cost**		
	Construction of tank - 4m X 2m X 1m	4 nos.	85000
	Net, Happa		3500
	Water supply arrangement		3500
	Miscellaneous		2000
	Total Capital Cost (A)		94000
ii	**Recurring cost for one crop**		
	Brood fish	8 kg	3200
	Fish feed	30 kg	3000
	Medicines, disinfectants		1500
	Miscellaneous		1300
	Total Recurring Cost (A)		9000
	Unit cost (A + B)		**103000**
7	**Backyard hatchery for Pearlspot - Model II**		
i	**Capital Cost**		
	Brood stock pond	200 sq m	5750
	Breeding cum nursery rearing pond	400 sq.m	12000
	Cement/FRP tank	2 Nos.	40000
	Water supply arrangements		1500
	Bird net cover, side nets	30 kg	10800
	Happa (2x21.5)	10 Nos.	15000
	Nets, utensils, breeding substrate, oxygen cylinder etc.		23000
	Miscellaneous		1950
	Total Capital Cost (A)		110000
ii	**Recurring cost for one crop**		
	Agri lime, dolomite, bleaching powder, cow dung etc.		2510
	Brood fish	80 kg	32000
	Fish feed inoculums	1200 kg	90000
	Live food (stock solution)		5000
	Packing materials		3600
	Labour, Miscellaneous		6890

	Particulars	Specification/ Unit Size	Amount (₹)
	Total Recurring Cost (A)		**140000**
	Unit cost (A + B)		**250000**

8.	**Pearlspot seed production**	**Unit Rate (₹)**	**Quantity**	**Amount (₹)**
A. Infrastructure development cost				
1	Brood stock pond (500 sq. m.)	18,000/ No.	1 Nos.	18,000
2	Breeding cum nursery rearing pond (1000 sq. m.)	35,000/ No.	1 Nos.	35,000
3	Bird net cover and side net	350/ kg	60 kg	21,500
4	Breeding substrates	50/ No.	160	8,000
5	Cement / FRP tank (IMT)	22,500/ No.	3 Nos.	69,500
6	Water pump	25,000	1	25,000
7	Water supply arrangements		LS	5,500
8	Happa (2x2x1.5)	2,000/ No.	10 Nos.	20,000
9	Nets, utensils		LS	5,000
10	Oxygen cylinder	12,000/ No.	1 Nos.	12,000
11	Contingency			1,500
	Sub Total (A)			**2,21,000**
B. Operational cost				
1	Bleaching powder (30% Av. Cl)	57/ kg	10 kg	570
2	Agri lime	16/ kg	50 kg	800
3	Dolomite	12/ kg	30 kg	360
4	Raw cowdung	5/ kg	300 kg	1,500
5	Brood fish	600/ kg	80 kg	48,000
6	Fish feed	110/ kg	160 kg	17,600
7	Live food (stock solution)		LS	5,000
8	Packing material	180/ kg	20 kg	3,600
9	Labour hiring charges	660/ No.	8 Nos.	5,280

10	Contingency		1,290
	Sub Total (B)		**84,000**
	Grant Total		**3,05,000**

	Particulars	Specification/ Unit Size	Amount (₹)
9	**Crab culture**	0.5 Ha	
i	**Capital Cost**		
	Pond construction including PE side fencing, bird cover and hide out		120000
	Pump & pipelines	3 HP	25000
	Store, canoe, equipment, electrical installation etc.		30000
	Total capital cost (A)		175000
ii	**Recurring cost for one crop**		
	Pond preparation		5000
	Crab-lets	5000	100000
	Chopped fish/pellet feed	6250 kg	187500
	Electricity charges, etc.		5000
	Harvesting		5000
	Total recurring cost (B)		302500
	Unit Cost (A + B)		**477500**
10	**Crab culture (Crab fattening Unit)**	0.5 Ha	
i	**Capital Cost**		
	Renovation of Pond including PE side fencing, bird cover and hide out		121500
	Pump & pipelines	3 HP	25000
	Store, canoe, equipment, electrical installation etc.		30500
	Total capital cost (A)		177000
ii	**Recurring cost for one crop**		
	Pond preparation		5000
	Crab-lets	5000	110000
	Chopped fish/pellet feed	6250 kg	180000
	Electricity charges etc		5000
	Harvesting		5000
	Total recurring cost (B)		305000
	Unit Cost (A+B)		**482000**

	Particulars	Specification/ Unit Size	Amount (₹)
11	**Mussel farming**	25 sq.m raft 100 m seed length	
i	**Capital cost**		
	Bamboo poles	16 Nos	2600
	Rope for construction	1.5 kg	360
	Seeding Rope	12 kg	2880
	Contingency		660
	Total capital cost		6500
ii	**Recurring cost**		
	Cotton netting material	25 m	300
	Nylon rope for attaching sinkers and mussel ropes	1.5 kg	400
	Mussel seed	200 kg	2400
	Canoe hiring	3days	6000
	Labour for seeding	10 days x 600	6000
	Transportation, marketing		5500
	Total recurring cost (B)		20600
	Unit Cost (A+B)		**27100**
12	**Eco friendly Shrimp farming in Pokkali/Kaipad areas**	5 ha	
i	**Capital Cost (A)**		
	Repair and strengthening of bund		1000000
	Sluice gate	2 nos.	200000
	Pumpsets, farm equipment Electrification etc.		120000
	Watchman shed		25000
	Total Capital cost (A)		1345000
ii	**Recurring cost**		
	Pond preparation		30000
	Shrimp seed	250000 Nos.	150000
	Feed (FCR 1:1.5)	6000 kg	600000
	Fuel & electricity charges		20000
	Watch & ward		20000
	Harvesting & marketing		20000

	Particulars	Specification/ Unit Size	Amount (₹)
	Total recurring cost (B)		840000
	Unit Cost (A+B)		**2185000**
13	**Pearlspot Farming**	0.2 Ha	
i	**Capital Cost**		
	Repair and strengthening of bund		16500
	Nets for covering	50 Kg	18000
	Plumbing		12000
	Pen for keeping brood fish		13500
	Water quality testing kits, Name Board, etc.		2000
	Labour charges		4000
	Total Capital Cost (A)		66000
ii	**Recurring cost for one crop**		
	Bleaching powder	60 Kg	2100
	Lime	100 kg	1200
	Dolomite	80 Kg	960
	Manure	3000 Kg	12000
	Brood fishes (200 gm)	6 Kg	4000
	Fish Seed	1500 Nos.	15000
	Pellet feed (FCR 1.5:1)	1000 Kg	50000
	Miscellaneous		740
	Total Recurring Cost (B)		86000
	Unit Cost (A+B)		**152000**

Terms and Conditions – Fresh water Fisheries/ Brackish fisheries

i) The area shall be inspected/lay out plan prepared by FFDA/MPEDA/Fisheries Department of Government of Kerala and their suitability report obtained before sanction of loans.

ii) Only good variety of prawn/ fish fingerlings as recommended by MPEDA/FFDA/Fisheries Dept. of Govt. of Kerala shall be grown by the beneficiaries under the scheme.

iii) The ponds shall be prepared as per the technical guidelines from MPEDA/FFDA/Fisheries Department of Government of Kerala and adequate water level (approximately between 1.0 and 1.5 metres) shall be maintained

iv) Proper Package of Practices to be followed

v) All aquaculture activities must comply with the environmental regulations laid down by the Kerala State Pollution Control Board and Coastal Aquaculture Authority (CAA), including proper waste disposal and effluent treatment.

vi) Beneficiaries may obtain insurance coverage for their aquaculture operations, including stock and infrastructure, to mitigate risks from natural calamities, disease outbreaks, or other unforeseen events.

III Marine Fisheries

	Particulars	Specification/ Unit Size	Amount (₹)
1	**Country Boat (Catamaran)**		
i	**Capital cost**		
	Catamaran (4 logs)		35000
	Net		20000
	Insurance		1200
	Total Capital Cost (A)		56200
ii	**Recurring Cost (for one month)**		
	Food expenses		25000
	craft/net repair		10000
	Auction commission		10000
	Total recurring cost (B)		45000
	Unit Cost (A+B)		**101200**
2	**Fibre Glass Catamaran**		
i	**Capital Cost**		
	Catamaran (4 logs)		105000

	Particulars	Specification/ Unit Size	Amount (₹)
	Out Board Motor (as per quotation)	9.9 HP	118100
	Net & accessories		30000
	Insurance		8900
	Total Capital Cost (A)		262000
ii	**Recurring Cost (for one month)**		
	Fuel expenses		36000
	Food expenses		25000
	OBM/craft repair		10000
	Auction commission		10000
	Total recurring cost (B)		81000
	Unit Cost (A+B)		**343000**
3	**Out Board Motor**		
	OBM	9.9 HP	150000
	OBM	25 HP	170000
	OBM	40 HP	210000
	Note : Cost is indicative only; actual cost to be based on quotation		
4	**Inboard engine 120 to 400 HP**		800000 to 1500000
	Note : Cost is indicative only; actual cost to be based on quotation		
5	**Marine Plywood canoe (30' OAL)**		
i	Marine Plywood canoe	30 ft size	175000
	OBM		125000
	Net & other accessories		150000
	Insurance		12000
	Total Capital Cost (A)		462000
ii	**Recurring Cost (for one month)**		
	Fuel expenses		35000
	Food expenses		25000
	OBM/craft repair		10000
	Auction commission		10000
	Total recurring cost (B)		80000
	Unit Cost (A+B)		**542000**
6	**Fibre glass boat**	33 ft	

	Particulars	Specification/ Unit Size	Amount (₹)
i	**Capital Cost**		
	Fibre glass Cattamaram (33' OAL)		215000
	Out Board Motor (as per quotation)	9.9 HP	118100
	Webbings & Accessories		160000
	Insurance		13600
	Total capital cost (A)		506700
ii	**Recurring Cost (for one month)**		
	Fuel expenses		36000
	Food & Travel expenses		25000
	OBM/craft repair		10000
	Auction commission		10000
	Total recurring cost (B)		81000
	Unit Cost (A + B)		587700
	Rounded off		**587000**
7	**Thanguvallam with inboard engine**	70 ft	
i	**Capital cost**		
	Thanguvallam (70' OAL) - MPC with fibre coating		4000000
	In Board motor (as per quotation)	280 - 410 HP	3000000
	Webbings (3000 kg) & Accessories		4000000
	Insurance		280000
	Total capital cost (A)		11280000
	Recurring Cost (for one month)		
	Fuel expenses		300000
	Food & Travel expenses		75000
	OBM/craft repair		50000
	Auction commission		50000
	Total recurring cost (B)		475000
	Unit Cost (A+B)		**11755000**
8	**FRP Tuna Longliner**		
i	**Capital cost**		
	FRP craft with insulated fishhold		422000
	Out Board motor (as per quotation)	25 HP	168500
	Webbings and accessories		335000
	GPS, Echosounder, Life jackets		77500

	Particulars	Specification/ Unit Size	Amount (₹)
	Insurance		30000
	Total capital cost (A)		1033000
ii	**Recurring cost (for one month)**		
	Fuel expenses		35000
	Food & Travel expenses		25000
	OBM/craft repair		10000
	Auction commission		10000
	Total recurring cost (B)		80000
	Unit Cost (A+B)		**1113000**
9	**FRP boat with Choodavala**	36 ft	
i	**Capital cost**		
	FRP craft (36' OAL) with insulated Fishhold		700000
	Out Board motor (as per quation)	25 HP	168500
	Webbings and accessories		1420000
	Carrier boat with OBM		180000
	Insurance		42000
	Total capital cost (A)		2510500
ii	**Recurring cost (for one month)**		
	Fuel expenses		175000
	Food & Travel expenses		125000
	OBM/craft repair		25000
	Auction commission		25000
	Total recurring cost (B)		350000
	Unit Cost (A+B)		**2860500**

Terms and Conditions - Marine Fisheries

i.) The bank shall satisfy itself regarding cost of construction of boats, cost of hull, cost of engine and other accessories etc., by verification of quotations, vouchers and bills and that the equipment so mentioned is actually installed on the boats.

ii.) Mechanised fishing boats should be registered with DG Shipping through Dept. of Fisheries.

iii.) The mechanized boats accessories shall be insured against marine risk and risk against fire and theft covering entire loan period and relevant

policy shall be assigned in bank's favour and assignment duly registered with Insurance Company.

NABSAMRUDDHI FINANCE LIMITED | A Subsidiary of NABARD

- Predominantly a B2B finance NBFC subsidiary of NABARD, catering to the non-agriculture sector with an ESG focus.
- Focus Segments:
  - Green Finance & Wellness (WASH, Renewable Energy, Green Mobility, Healthcare)
  - Fabrics & Textiles
  - Handicrafts Value Chain

NSFL in WASH

Emerged as an Eco-system builder and champion of WASH funding, being the

- largest wholesale debt providing NBFC for SDG6
- largest wholesale debt funder for last mile WASH
- pioneer in climate ready WASH funding, and
- only NBFC covering all sectors and risk spectra under WASH.

Corporate Office
NABARD, Gr. Floor, 'D Wing', Plot No. C-24, G Block, BKC, Bandra(East), Mumbai-400051
☎: 022-2653-9693
✉ : nabsamruddhi@nabard.org

Registered Office
NABARD Regional Office, 1-1-61, RTC 'X' Road P.B. No. 1863, Hyderabad- 500020
☎: 040-23241155/56
🌐 : www.nabsamruddhi.in

NABKISAN FINANCE LIMITED| A Subsidiary of NABARD

- Largest lender in FPO space
- Present in 21 States and 3 UTs including North East
- 3000+ FPOs credit linked
- Collateral free lending at affordable rates
- Soft loan for Agri Startups

- Financing FPOs through
  - Working Capital
  - Term Loan
  - Pledge Financing (eNWR)
- Term lending for Corporates/ NBSCs/ MFIs

Corporate Office
C/o NABARD, Head Office, Mumbai
☎: 022-26539620/9514
✉ : corporate@nabard.org

Registered Office
C/o NABARD, Tamil Nadu RO, Chennai
☎: 044-28270138/28304658
✉ : finance@nabkisan.org
🌐 : www.nabkisan.in

NABFINS LIMITED | A Subsidiary of NABARD

- A Non deposit taking systemically important NBSC-MFI-Middle Layer advancing hassle free services to the low-income households with the vision to become model MFI in the country
- Operating with 401 Branches in 238 districts across 18 states and 1 UT with active client base of appx. 12 lakh active borrowers.
- Financial product offered: Direct Lending to micro finance loans, Traders and Institutional loans

- Timely and adequate credit without collateral
- Affordable interest rate in the sector
- Insurance facility to borrowers and co-obligants
- Doorstep delivery of financial services

Registered Office: 3072,14th Cross, K.R. Road, Banashankari 2nd Stage, Bengaluru- 560 070, Karnataka, India
☎: 080-26970500 ✉ : ho@nabfins.org 🌐 : www.nabfins.org

NABARD Consultancy Services Private Limited (NABCONS)

A wholly owned Subsidiary of NABARD

OFFERS CONSULTANCY AND ADVISORY SERVICES
Pan India Presence with offices in 31 State/UTs

- Project Management Consultancy
- IT Based Natural Resources Information System
- Feasibility, Socio-economic & Impact Evaluation Studies
- Third Party Monitoring

- Climate Change & Sustainability
- Value Chain Development
- Skill & Livelihood Development
- Preparation Detailed Project Reports (DPRs)
- Transaction Advisory Services

Registered Office: NABARD, 3rd Floor, C Wing, Plot No. C-24, G-Block, BKC, Bandra (E), Mumbai – 400051
☎: 022-26539419 ✉ : headoffice@nabcons.in
Corporate Office: NABCONS, 7th Floor, NABARD Tower, 24 Rajendra Place, New Delhi – 110125
☎: 011-41538678/25745103 🌐 : www.nabcons.com

NABSanrakshan Trustee Private Limited

Building Trust for Rural Prosperity

- NABSanrakshan, a wholly owned subsidiary of NABARD, offers Credit Guarantee against the credit offered by the Eligible Lending Institutions (ELIs), through the Trusts (Funds) under its Trusteeship.
- Two sovereign Credit Guarantee Schemes offered are:
  - Credit Guarantee Scheme for FPO Financing (CGSFPO) – provides credit guarantee for collateral free credit facility upto Rs. 2 crore to FPOs (including loans to FPOs under AIF)
  - Credit Guarantee Scheme for Animal Husbandry and Dairying (CGSAHD)- provides credit guarantee to MSMEs and Dairy Cooperatives
- More than 1500 FPOs provided credit guarantee till 31st March 2024, covering nearly 13.67 lakh farmers across 23 States
- Operations carried through Credit Guarantee Portal

Registered Office C- 24, G Block, Bandra Kurla Complex, Bandra East, Mumbai – 400051
☎: 022- 2653-9243/ 9241 ✉ : ho@nabsanrakshan.org 🌐 : www.nabsanrakshan.org

NABVENTURES LIMITED | A wholly owned Subsidiary of NABARD

- NABVENTURES Ltd. is incorporated as a public company registered under the Companies Act, 2013 in April 2018 to manage Alternative Investment funds(AIF), with a paid-up capital of INR 25 crore.
- NABVENTURES, Fund I scheme I is the maiden flagship venture equity fund of NABVENTURES Ltd with a corpus of INR 598 crore.
- As of 31 March 2024, NABVENTURES Fund I has invested in 14 startups related to the Agriculture, Rural, Food, and Finance sectors.
- NABVENTURES Ltd is also acting as an Investment Manager to AgriSURE Fund- 'Agri Fund for Start-Ups and Rural Enterprises', a SEBI-registered Cat-II AIF.
- Agri SURE Fund is set up to support innovative, technology-driven, high-risk, high-impact activities in agriculture and rural Start-ups ecosystem.
- The total corpus of AgriSURE Fund is ₹750 crore.

Registered Office: NABARD, 8th Floor, C Wing, Plot No. C-24, G Block, BKC, Bandra (East), Mumbai-400051
☎: 022-26539149 ✉ : nabventure@nabard.org 🌐 : www.nabventure.in

NABFOUNDATION

Leveraging the power of convergence

NABFOUNDATION is a wholly owned, not for profit, subsidiary of NABARD, established under Sec 8 of Companies Act, 2013. The organization draws its strength and experience from the thousands of development projects grounded by its parent body, NABARD, in multiple domains over nearly last four decades.

WHAT DOES NABFOUNDATION WANT FROM YOU?	IF YOU ARE A CIVIL SOCIETY ORGANIZATION/NGO
IF YOU ARE AN INDIVIDUAL Reach out to us with your ideas about development projects which you believe need to be implemented. We really look forward to your fresh ideas. **IF YOU ARE A CSR UNIT** Of a corporate and believe that there is a scope for collaborating with us to have access to the vast network of resources of NABARD in a structured manner, just give us a call.	With an idea whose time you think has come and have not been able to find willing partners, reach out to us. **IF YOU ARE WITH THE GOVERNMENT** And believe that there is a need for reimagining implementation of your Central or State government projects, allow us to be a part of your vision.

Registered Office: NABARD, 4th Floor, E Wing, Plot No. C-24, G Block, BKC, Bandra (East), Mumbai-400051
☎: 022-26539404/9054 ✉ : nabfoundation@nabard.org 🌐 : www.nabfoundation.in

NATIONAL BANK FOR AGRICULTURE AND RURAL DEVELOPMENT

राष्ट्रीय कृषि और ग्रामीण विकास बैंक

KERALA REGIONAL OFFICE, THIRUVANANTHAPURAM - 695001