

MBM-CARI-IX

Pig Farming

Rationale

India possesses one of the largest live-stock populations in the world which place a crucial role in rural economy and livelihood. Even at low productivity and off-takes rates livestock contributes significantly to economic development. Among the different live-stock Pigs are believed to be the most prolific. In India pig raising and pork industry are run by traditional pig farmers belonging to the lowest social – economic stratum and Andaman & Nicobar Islands are no exception. There are four different genetic groups of pigs available in these islands. They are Andaman Wild Pig, Nicobari Pig, pure and Cross breeds of Large White Yorkshire and non descript pigs of Andaman.

In Andaman & Nicobar Islands pigs are mostly reared by Nicobari tribes. It is observed that each family has pigs for their livelihood and for them the num-

ber of pigs accounts for their wealth and assets and pigs are liked for their delicacy. The Nicobari generally prefer mass slaughter during festival seasons and rear them in backyard system by feeding coconut as major feed and kitchen waste etc.

The potential of pig farming can be exploited by creating awareness among farmers about scientific pig rearing and management which will ultimately provide gainful income as well as nutritional security to the islanders as a whole.

Technical details

Area : 600 m² (0.06 ha)

Unit size : 1: 9 (1 Boar + 9 Sow)

Components

Housing : 78m²

Store room : 8 m²

Well : 1 m²

Composting unit : 12 m²

Fodder Plot : 500 m²

Details of components

1. Housing : 78 m²

Age group	Numbers	Floor space (m ²)/pig	Total area (m ²)
Adult	10	4.6	46.00
Piglet to Adult	70	0.46	32.20

2. Store room : 8 m²**Materials**

Feed

Office cum working space

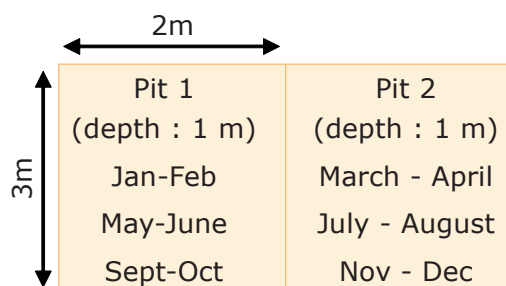
Utensils

3. Well : 1 m²

Drinking water for pigs

Water for cleaning

Irrigation for fodder plot

4. Composting unit: 12 m²**5. Fodder : 500 m²**

Silvi pasture (Pasture grass + Fodder trees)

Fodder classes

Fodder legumes : Stylo, Rice beans, Pui

Tree fodders: Subabul, Gliricidia, Erythrina.

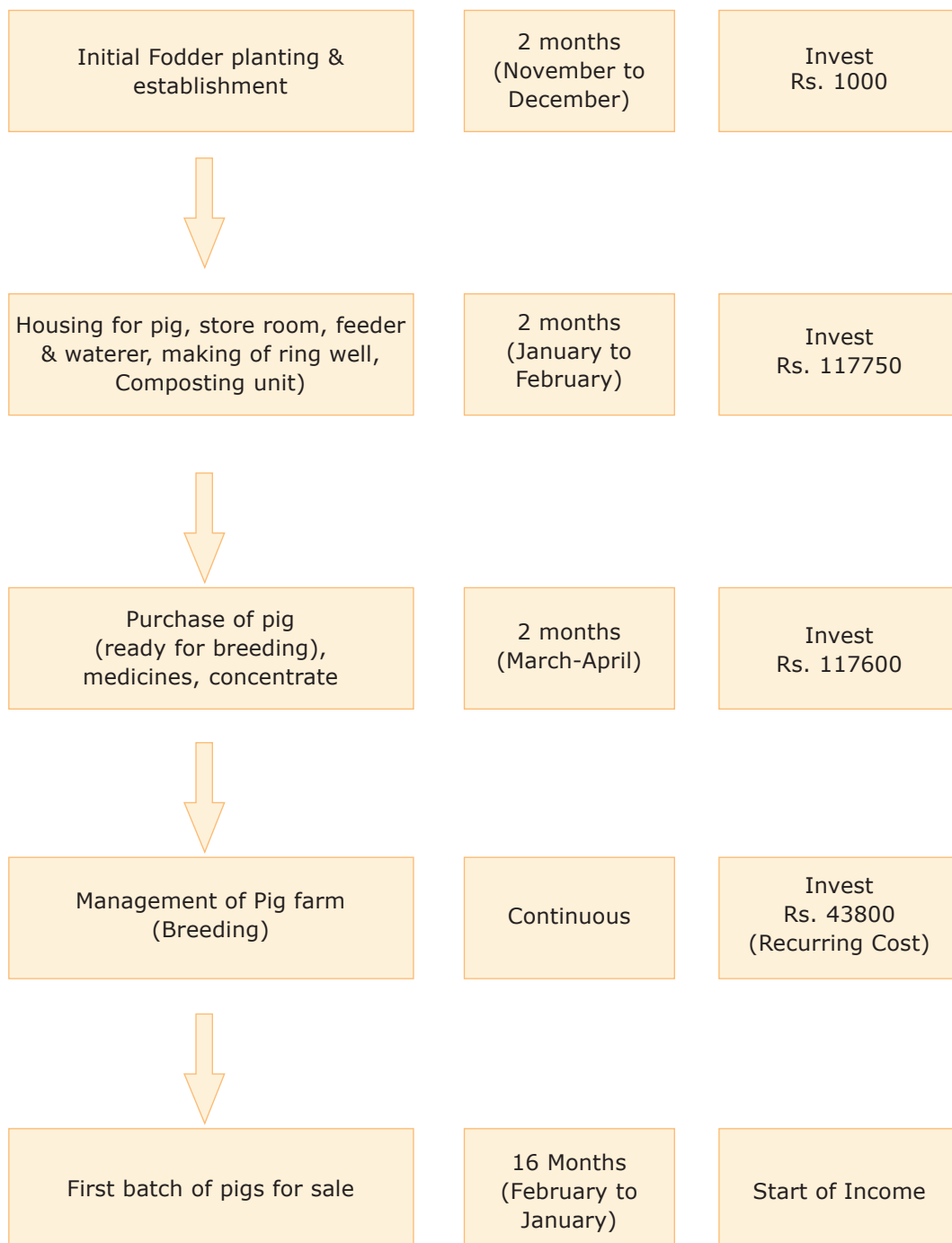
Intercropping in Coconut and Arecanut gardens*: *Calapagonium*, *Stylo*, paragrass, (0.05ha. plantation area for 20 pigs)

*** If no separate area is available for fodder cultivation, 0.05 ha of plantation area (either coconut or arecanut) is required to meet the green fodder requirement of 10 Pigs.)**

Input required & Source availability

Input	Source of Availability
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Pigs	CARI, Port Blair, Animal Husbandry Department & Farmers
Fodder Seeds/ Planting materials	Retail seed stores/CARI/Department of Agriculture/ Near by farmers
RCC rings	Ring manufacturers
Concentrate Feeds	Local market
Medicines	Local market
Housing materials	Locally available material or Market
Feeder & Waterer	Locally available material or Market

Flow chart, Time schedule & Cash Inflow



*Total investment in 16 months : Rs. 280150

Expected cash in & out flow in different months

Cycle	Duration (month)	Component	Cash Inflow (Rs)	Cash Outflow (Rs.)
FIRST	1-2 months	Initial Fodder planting, establishment & Maintenance	1000	-
	3-4 months	Housing for pig, store room, feeder & waterer, making of ring well, pipes & connection Composting unit)	117750	-
	5-6 months	Purchase of pigs (ready for breeding), medicines, concentrate feed.	117600	-
	9 th month	Sale of manure	-	1440
	11 th month	Sale of manure	-	1440
	13 th month	Sale of manure	-	1440
		Birth of first batch piglets	-	
	15 th month	Sale of manure	-	1440
	16 th month	First batch of piglets for sale (65 piglets of 3 months old)		97500
	Total		235350	103260
SECOND	Net Profit/Loss		-	(-)132090
	17 th month	Sale of manure	-	1440
	18 th month	Concentrate feed, fodder plot maintenance, labour & medicine (for 06 months only)	43800	-
	19 th month	Sale of manure	-	1440
		Birth of second batch piglets		
	21 st month	Sale of manure	-	1440
	22 nd month	Second batch of piglets for sale (97 piglets of 3 months old)		145500
	Total		43800+ 132090 =175890	149820
	Net Profit/Loss		-	(-) 26070

Cycle	Duration (month)	Component	Cash Inflow (Rs)	Cash Outflow (Rs.)
THIRD	23 rd month	Sale of manure	-	1440
	24 th Months	Concentrate feed, fodder plot maintenance, labour & medicine (for 06 months only)	43800	-
	25 th month	Sale of manure	-	1440
		Birth of third batch piglets		
	27 th month	Sale of manure	-	1440
	28 th month	Third batch of piglets for sale (97 piglets of 3 months old)		145500
	Total		43800+ 26070 =69870	149820
FOURTH	Net Profit/Loss		-	79950
	29 th month	Sale of manure	-	1440
	30 th month	Concentrate feed, fodder plot maintenance, labour & medicine (for 06 months only)	43800	-
	31 st month	Sale of manure	-	1440
		Birth of forth batch piglets		
	33 rd month	Sale of manure	-	1440
	35 th month	Forth batch of piglets for sale (97 piglets of 3 months old)		145500
	Total		43800	149820
	Net Profit/Loss		-	106020

Thus from 28th month onward the person pay back the investment and income starts.

Market Linkage: Sale of pigs & manure in the local market