

# **I. Integrated Wool Improvement & Development Scheme (IWIDP)**

## **C. Angora Wool Development Scheme (AWDS)**

In India, Angora Rabbit Wool is reared in hilly areas of Uttaranchal, Himachal Pradesh and in some other states where climatic conditions are suitable for its rearing. The total Angora population in the country is around 50,000 and nearly 30,000 Kg. wool is produced annually.

Angora wool has excellent properties such as very fine, soft, white in colour, high thermal insulation value and impurity free which makes this fiber as a specialty fiber. The Angora Rabbit Wool can be used by mixing it with other fibres for manufacturing knitwears, shawls and worsted suiting. At present very few mills in north India are processing this fibre on worsted system to produce angora blended yarn. The Angora Wool has very smooth surface which makes its spinning very difficult in pure form. Therefore angora wool is generally blended with Marino wool and other fibers for manufacturing products. India is also importing wool, sliver and yarn of Angora Wool which is blended with wool & silk. The demands of angora products are very high in both national and international market.

Keeping in view the importance of the fibre and the potential for employment generation in hilly area, there is a need to increase its production and productivity by making Angora rearing a popular occupation. High profitability, vast potential of employment generation, huge potential for earning foreign exchange and role of Angora rabbits husbandry in ecological rehabilitation are few of the many positive factors, which call for coordinated efforts, so that educated unemployed youth can take up this profession and traditional farmers can also supplement their income.

With this view, the Central Wool Development Board started an integrated approach for the development of Angora rabbit farming in the country from 10<sup>th</sup> Plan to support strengthening of Germplasm Centre, angora-rearing activity among farmers through distribution of rabbits as foundation stock along with necessary training, feed, Medical kit and Charkha for its processing. In the 11<sup>th</sup> Plan, the CWDB expanded this scheme and included other new components like establishing Common Facility-cum-Training Centre for consumption of angora wool at farm level and Research & Development project by covering some other hilly areas of the country. Apart from these some other inputs like product designs and development, skill up-gradation, improved marketing opportunities has also been incorporated in the scheme during 12<sup>th</sup> Plan so that economic benefit can be maximized to Angora rearers.

Looking at the economic returns from processed Angora fibre, the potential for employment generation in hilly remote areas, the dearth of sustainable livelihood alternatives, it is proposed to continue efforts for angora development on large scale in the country by adopting integrated approach.

## **Project objectives**

The main objectives of the projects are defined as below –

- i) To introduce the concept of scientific and planned rearing in the field of Angora rabbit rearing and wool production.
- ii) To follow integrated approach to increase production and productivity of Angora Rabbits, Angora Wool and Angora woollen products.
- iii) To provide basic training in Angora rabbit rearing so that women and educated unemployed youth can take up this profession and can supplement their income.
- iv) To create opportunities for employment and income generation in hilly areas by starting angora rabbit rearing activity.
- v) Further development of this activity by involving various Govt. & Non Govt. Development agencies in the field of Angora rabbit production, wool processing and marketing under existing small scale, cottage & handloom set up.
- vi) To provide angora wool processing tools\machines along with training in weaving/manufacturing angora products

## **Implementing Agency**

The Project will be implemented by the State Government Organization, registered Co-operative Societies/Sheep and Wool Boards/NGOs engaged in the concerned State in any of the developmental activities or project implementation.

## **Components of the Scheme**

The project implementation will have the following components-:

- 1) Establishment of Mini Angora Rabbit Farms.
- 2) Angora Rabbit Germplasm cum processing and Training Centre.

### **1. Establishment of Mini Angora Farms**

#### ***(a) Construction of low cost Shed***

Since angora rabbit is very delicate animal and angora wool is costly, each rabbit has to be housed in rust proof cages preferably under shed system to avoid any loss due to improper management. This requires higher investment on quality Germplasm, cages, housing system & other daily routine management practices to establish and run a farm and to get good returns. The high cost of inputs discourages the rearers to provide the required inputs leading to slow progress, poor reproductive efficiency in the flock, high mortality rate, low wool production and uncertain/poor returns. Therefore financial assistance is provided under this head.

Assistance for construction of low cost shed for 50 animals (after completion of one year) to the beneficiaries will be provided @ Rs.24,000/-. Rest of the amount will be contributed by the selected beneficiary.

***(b) Supply of foundation stocks***

To start Angora rabbit rearing activity, each selected families will be provided a foundation stock of 20 Angora rabbit (8 Male + 12 Female). A committee constituted by the Implementing Agency will select the foundation stock of their choice from Govt. Farm/Private Breeders. This component has been taken with the view to improve the production of Angora rabbit wool of specified character undertaking a continuous programme of selection of animals with desired parameters. A provision of Rs.30,000 /- is kept for one unit of 20 rabbits in the Project @ Rs. 1,500 per rabbit.

It was envisaged that a unit up to 80 rabbits could be reared in a small low cost shed and an average family with 8 male & 12 female will grow to a size of 50 by the end of the 1<sup>st</sup> year and to a size of 80 in the 2<sup>nd</sup> year and will be maintained by the angora rearers.

***(c) Supply of cages***

The CWDB will provide 40 cages under one unit of 20 animals to each family assuming that a unit of 20 rabbits will increase to 80 rabbits in two years. Under the project, a provision of Rs. 10000/- per unit is kept yearly for supply of cages for the rabbits to the beneficiaries. In three years total Rs. 30,000/- will be provided to Implementing Agency to provide the cages to each beneficiary.

***(d) Supply of Medical kit***

Rabbit is an animal, which is liable to contract numerous diseases. There is need to develop management practices in which possibility of diseases contraction is minimized. Accordingly a provision of Rs. 1000/- per beneficiaries per year for 3 years has been made for medical kit to each beneficiary.

***(e) Supply of feed***

The present system of rabbit rearing requires availability of most balanced feed. The Board will provide fund of Rs. 24200/- per unit yearly for 3 years for foundation stock of 20 rabbits & for remaining rabbits, farmer will arrange feed from his own resources. ( 20 rabbits X 0.150 Kg. X 365 days = 11.00 Quintal @ Rs. 2200/- Quintal = Rs. 24200/- unit per year) .

***(f) Provision of Charkas/looms/knitting machine***

It is envisaged that if some of the rabbit rearing families have the capability or want to utilize part of their own wool to meet their own requirements and to do value addition, it would be essential to incorporate the concept of processing of the wool produced into yarn as well as finished products. The Board will provide Rs. 10,000/- for purchasing of Charkas/looms/knitting machine for above purpose to each beneficiaries.

***(g) Training to farmers***

Training will be the essential part of the project. Training to the rural farmers will be organized at North Temperate Regional Station (CSWRI-ICAR unit), Garsa, Kullu or by the state animal husbandry dept or at other reputed University/Institute to selected farmers in

rabbit rearing activities so that they can gain knowledge about latest information in the field of rabbit husbandry as well as information about the breed, common diseases & their control. The training will be aimed to encourage rural farmers to adopt rabbit farming as a profitable venture. After providing training to selected beneficiaries, other assistance under the project will be provided by the implementing agency.

***(h) Overhead Expenses***

Board has made a provision of 10 % of total project cost to Implementing Agency to meet out misc. expenses in implementation of the Project including transportation, time to time training, inspection etc.

**2. Integrated Angora Rabbit Germplasm cum processing and Training Centre:**

**I Establishment of Angora Germplasm Farm**

It has been observed during the 11<sup>th</sup> plan that availability of good quality Angora rabbits is an issue which is affecting timely implementation of the Project. There is only one Govt. farm run by CSWRI at Garsa, Kullu which can make available good quality rabbits but in the past it could not made available the required quantity of animals to be supplied as foundation stock for the other project area. Therefore a need arises to develop angora rabbit germplasm Centre in Govt. as well as in private sector which can supply the animals for the other projects. This farm will also have the angora wool processing machinery where angora wool can be processed to make the raw material for angora wool blended products.

***(a) Construction of low cost Shed***

Since angora rabbit is very delicate animal and angora wool is costly, each rabbit has to be housed in rust proof cages preferably under shed system to avoid any loss due to improper management. This requires higher investment on quality Germplasm, cages, housing system & other daily routine management practices to establish and run a farm and to get good returns. The high cost of inputs also discourages the rears to provide the required inputs leading to slow progress, poor reproductive efficiency in the flock, high mortality rate, low wool production and uncertain/poor returns.

Assistance for construction of low cost shed for 200 animals after completion of one year to the implementing Agency will be provided @ Rs.120000/-.Rest of the amount will be contributed by the selected beneficiary.

***(b) Supply of foundation stocks***

To start this activity, a foundation stock of 100 Angora rabbit (40 Male + 60 Female) will be provided to implementing Agency. A committee constituted by the Implementing Agency will select the foundation stock of their choice from Govt. Farm/Private Breeders.. A provision of Rs.150000 /- is kept for one unit of 100 rabbits in the Project @ Rs. 1,500 per rabbit.

***(c) Supply of cages***

The CWDB will provide 200 cages under one unit of 100 animals assuming that a unit of 100 rabbits will increase to 200 rabbits in two years. Under the project, a provision of Rs. 50000/- per unit is kept for supply of cages for the rabbits to the beneficiaries.

***(d) Supply of Medical kit***

Rabbit is an animal, which is liable to contract numerous diseases. There is need to develop management practices in which possibility of diseases introduction is minimized. Accordingly a provision of Rs. 5000/- per project has been made.

***(e) Supply of feed***

The present system of rabbit rearing requires availability of most balanced feed. The quality and quantity of wool is along with the health of animal are directly related to the feed supplied to the animals. The Board will provide fund of Rs. 121000/- per unit for foundation stock of 100 rabbits. (Supply of feed (150gm/rabbit/day for 100 rabbit for 365 day)  $100 \times 0.150 \times 365 = 54.75$  or say 55 Quintal @Rs.2200/- Quintal.

***(f) Overhead expenses***

Board has made a provision of 10 % of total project cost to Implementing Agency to meet out misc. expenses in implementation of the Project.

**II Angora Wool Processing Center**

This germplasm center will produce wool in quantity and provision of processing machine will have advantage in value addition and further processing of angora wool of other project beneficiaries and making available hand spun/machine spun yarn to make diversified angora products. Provision of Rs.10.00 lakh (Maximum) has been made for procurement of Angora wool processing machinery like- carding, gill box, combing machine, spinning machine, spinning wheel, dyeing etc. This component will be not sanction as a separate project to implementing Agencies. It will be sanction either with Establishment of Angora Germplasm Farm or with Training Center for manufacturing of angora products. Machineries under this activity would be procured as per guideline of Quality Processing of Wool scheme for establishment of Common Facility Centre.

**III Establishment of training center for manufacturing angora product**

The germplasm and processing machine will produce angora yarn at one place. The angora rearers do not get much profit in selling angora wool or yarn and if they sell angora products they can earn more profit. To keep this point in view CWDB has added training cum production center so that interested farmers can get training in manufacturing the angora products also.

***(i-iii) Provision for Stipend\Master honorarium\office assistance***

During the training the trainees will get the stipend @ Rs.100/-per day for 3 months period per batch. There will be 4 batches in a year. During training honorarium to the master will be provided @ Rs.10,000/- per month along with an office assistant @ Rs.5,000/- per month.

***(iv) Provision of Charkas/looms/knitting machine***

Under the training center component to utilize the farm wool for manufacturing the products and value addition into their earnings, it would be essential to incorporate the concept of processing of the wool produced into yarn as well as finished products. The Board will provide Rs. 10,000/- for purchasing of one Charkas/ looms/knitting machine etc. to each beneficiaries.

***(v) Support services for product development, Design Development and product diversification-***

Quality product and their diversified design is essential to compete in national and international markets. However the technical know-how for quality products manufacturing and designing is lacking for this specialty fibre. Production of quality angora blended yarn, vegetable dyeing and product designing are the fields, which need serious intervention.

The Board will support the selected organization like NIFT, NID, TRA's, CSWRI, WRA etc. to give technical knowhow for product development and diversification to the center & trainees. Provision for purchasing computer aided design software with computer and printer has also been made under this component. For this financial assistance upto Rs. 2.00 lakh will be provided under the scheme.

***(vi) Overhead Expenses-:***

Board has made a provision of 10 % of total project cost to the Implementing Agency to meet out misc. expenses in implementation of the Project.

The approval of the individual project would be done by the Executive Committee of the CWDB. It's decision on awarding the project including modification/ alteration in project proposal/guideline and any relaxation/ concession required by Implementing Agency or in the interest of implementation of the Scheme or for growth/ development of wool sector or for development in North East Region shall be final and binding.

If suitable project proposals are not received from new NGOs then projects may be sanctioned to those Agencies who had implementing the projects during 11<sup>th</sup> Plan, successfully.

**Component-wise & year-wise financial allocation under Angora Wool Development Scheme for 12<sup>th</sup> Plan period**

*(Rs.in Lakh)*

S. No.	Name of project under scheme	Physical target (No. of projects)	Total Angora rabbits to be covered	Cost of each project	Total fund requirement for 12 <sup>th</sup> plan under programme
A	Establishment of Mini Angora Rabbit Farm in cluster farm (10 family each project)	10 (1 project 10 families and total 100 families in 10 Projects)	2000 (1 project, 10 families, 200 angora rabbits )	19.37	194
B	Integrated Angora Rabbit Germplasm-cum-Processing and Training Center	2 Centres	200	27.44	55
	TOTAL (Rs.)	10 + 2	2200		249

**Year wise Physical and financial target under Angora Wool Development Programme during 12<sup>th</sup> Five Year Plan (2012-17)**

*(Rs. in lakh)*

S. No.	Name of project under scheme	2012-13		2013-14		2014-15		2015-16		2016-17		Total	
		Physical	Financia I	Physical	Financia I	Physical	Financia I	Physical	Financia I	Physical	Financia I	Physical	Financia I
A	Establishment of Mini Angora Farm in cluster farm (10 family each project)	2	16	4	47	2	54	2	47	-	31	10	195
B	Integrated Angora Rabbit Germplasm-cum-Processing and Training Center	-	-	1	27	-	-	1	27	-	-	2	54
	TOTAL		16		74		54		74		31		249

**Note:** No. of projects under the scheme, may vary as per funds being made available/ re-appropriated of funds from other schemes or as per demands being made by wool industry/ State Govt. Organizations or for the growth & development of wool sector or demand of the North East Region with prior approval of the Executive Committee of the CWDB.

### 1. Establishment of Mini Angora Rabbit Farm –

Details of the component wise financial provision under the component of 10 families with foundation stock of 20 animals (8 Male+12 Female) for the 3 year project

(Amount in Rs.)

S. No.	Activity	Per family cost (for total 20 rabbits ) 1 <sup>st</sup> year	Per family cost 2 <sup>nd</sup> year	Per family cost 3 <sup>rd</sup> year	Total cost for one family of 20 rabbits	Per unit cost for 10 family per project & 200 rabbits for 3 year period
I	Establishment of Mini Angora Rabbit Farm	A				
	No. of Families to be covered				1 family	10 family
a)	Assistance for construction of low cost Shed to attaining the target of 40 rabbits after completion of one year. (50% of cost of shed)	-	24,000	-	24,000	2,40,000
b)	Supply of foundation stock (8male + 12 female)@ Rs. 1500/- per rabbit (1500X20) with transportation and feed overhead expenses	30000	-		30,000	3,00,000
c)	Supply of cages (40 cages for one family) @ Rs 10,000/- per unit	10000	10000	10000	30,000	3,00,000
d)	Supply of medical kit @ Rs. 1000/- to each beneficiary	1000	1000	1000	3,000	30,000
e)	Supply of feed (150gm/rabbit/day for 20 rabbit for 365 day) 20X0.150X365= 10.95 or say11Quintal @Rs.2200/- Quintal per year with transportation exp	24200	24200	24200	72,600	7,26,000
f)	Provision of charkha(spining machine) & knitting machine for spinning \consumption of Angora Wool at household level by beneficiary @Rs. 10,000/-		10,000		10,000	1,00,000
g)	Training of farmers (including traveling, boarding, lodging, training material, institutional charges etc.) Rs. 6,500/- unit	6,500	-		6,500	65,000
	Total ( a to g )	71,700	69,200	35,200	1,76,100	17,61,000
h)	<u>Reimbursement of Overhead Expenses</u> to implementing agency @ 10% of total project Cost for survey, registration of beneficiaries, stationery, monitoring, manpower, part time Veterinarian, POL and provision for other misc. expenses.	7,170	6,920	3,520	17,610	1,76,100
	<b>Total (a+b+c+d+e+f+g+h)</b>	<b>78,870</b>	<b>76,120</b>	<b>38,720</b>	<b>1,93,710</b>	<b>19,37,100</b>



**2. Details of the component wise financial provision under the scheme for Integrated Angora Germplasm-cum-Processing and Training center.**

(Amount in Rs.)

S. No.	Activity	Assistance under components	Total project cost for 100 rabbits, processing machine and training center
<b>I</b>	<b>Establishment of Angora Germplasm farm</b>		
a)	Assistance for construction of low cost Shed including building for processing machine to attaining the target of 200 rabbits after completion of one year. (50% of cost of shed)		1,20,000
b)	Supply of foundation stock (40 male + 60 female)@ Rs. 1500/- per rabbit (1500X100)		1,50,000
c)	Supply of cages (200 cages) @ Rs 50,000/- per unit		50,000
d)	Supply of medical kit @ Rs. 5000/- per unit		5,000
e)	Supply of feed (150gm/rabbit/day for 100 rabbit for 365 day) 100X0.150X365= 54.75 or say 55Quintal @Rs.2200/- Quintal per year		1,21,000
	Total (a to e )		4,46,000
f)	Overhead expenses @ 10% of Total Cost of the project		44,600
	<b>Total cost of I Activity ( a to e)</b>		<b>Rs. 4,90,600</b>
<b>II</b>	<b>Angora Wool Processing Center</b>		
a)	Provision of wool processing machine like carding & gill box and amber spinning charkha etc. (Not sanction as separate project) <b>Cost of II Activity</b>	(one time) 1000000	<b>Rs. 10,00,000*</b>
<b>III</b>	<b>Provision for establishment of training center for manufacturing angora product</b>		
i)	Stipend to trainees (10 persons for 3 months @ Rs. 100/- per day) Rs. 100X30X3X10= 90,000 per batch : 4 batch in a year & total 40 trainees in a year	90000/per batch	(for 4 batch in a year) 3,60,000
ii)	Honorarium to Master Instructor @ Rs. 10,000/- per month (one instructor)	30000/- per batch	(for 4 batch in a year) 1,20,000
iii)	Office Assistant/ Attendant @ Rs. 5,000 per month	15000/- per batch	(for 4 batch in a year) 60,000
iv)	Support Rs. 10,000/- per set of loom or charka or knitting machine per trainees (10 Looms/ Charkas per batch) to selected trained for employment generation	100000	(for 4 batch in a year) 4,00,000
v)	Support for product development, Design Development & Product Diversification and equipments, computer and printer etc (one time for 1 year project.		One time grant 2,00,000
	Total ( i to iv )		11,40,000
vi)	Overhead expenses @ 10% of Total Cost of the project		1,14,000
	<b>Total cost of III Activity</b>		<b>Rs. 12,54,000</b>
	<b>Grand Total including overhead of : I to III Activities</b>		<b>Rs. 27,44,600*</b>

**\*Note:** This Integrated project would be sanctioned either in all three activities or in combination of I+II or I+III. Activity II cannot be sanctioned as a single project. Machineries under Angora Wool Processing Center (Part-II) required wool processing machine like carding, gill box, amber spinning charkha etc. would be procured as per guideline of Quality Processing of Wool scheme for establishment of Common Facility Centre.

**Performa for submission of project application under Angora Wool Development Scheme.**

1	Project Title (Under which grant required)	
2	Name & full address of the applicant (Telephone No.& E-mail Address, If any)	
3	Nature of Applicant (Registered body/ Corporation/Weavers/Entrepreneurs/NGO/Society)	
4	Registration Number	
5	Location of the Project	
6	Brief of the agency and activities in last 3 years	Attached as annexure____
7	Brief Justification of the project	Attached as annexure____
8	Beneficiaries of the project and how benefit will accrue to them with the project	Attached as annexure____
9	Component Wise Project Cost	Attached as annexure____
10	Experience of activities in rural area	Attached as annexure____
11	Details of Machinery/Equipment/Infrastructures Technical Experts/Persons available	Attached as annexure____
12	Details of Bank Accounts of Agency	
13	Detail of Financial assistance, received from any other agency/ Sources during last 3 years.	Attached as annexure____
14	Name of Nodal Officer who will responsible for organizing programme/Activities.	
15	If funds received from foreign agencies, FCR registration no.	
16	Other Information	Attached as annexure____

Date:

Signature of Authorized Person /Applicant

Name:

Address

***Documents to be enclosed with the project-***

- Last 3 years Audited Account.
- Relevant Registration Certificate-
- Certificate from concerned dept. regarding presently agency is working.
- Original “Copy of Resolution” duly signed by all directors regarding undertaking programme with the assistance of CWDB.
- Attested true copy of Laws /Memorandum of Association

***Undertakings to be submitted with the project-***

- Has not taken any grant from any Govt. dept for the same purpose.
- Agency will bear the recurring expenses for running the plant.
- Non –Corrupt practices certificate on Non judicial Stamp Paper.
- Agency is bind to follows the RTI Act.