

I. Integrated Wool Improvement & Development Scheme (IWIDP)

A. Sheep and Wool Improvement Scheme (SWIS)

Sheep is an important livestock species. In India they contribute immensely to the agrarian economy by providing gainful employment and income to large number of rural poor especially socially backward, marginal and landless laborers. The sheep rearing is practiced in arid, semi arid & mountainous areas where crop and dairy farming are not very economical. In India sheep are mostly reared for wool and meat. A number of rural based industries use wool and sheep skins as raw material. In addition to this, sheep manure is an important source of soil fertility.

The policy planning and implementation of wool production programs is with state Sheep husbandry Department under Ministry of Agriculture/Department of animal husbandry and a number of schemes are being implemented by these agencies for development of Sheep and Wool. It is however a reality that sheep production is not a priority area in these schemes as most of their schemes are oriented towards dairy sector. Hence CWDB should be proactive to supplement state Animal husbandry department's effort in this direction with essential backward and forward linkages in association with CSWRI Avikanagar, Central Sheep Breeding Farm Hisar etc.

In spite of large sheep population, India have to import carpet grade wool to cater the need of our carpet industry in view of huge potential for carpet export. This is due to the fact that per sheep wool production of our indigenous breeds is low compared to developed countries (viz. Australia and New Zealand). In order to meet the heavy demand of carpet wool, it is necessary to concentrate efforts towards increasing per animal productivity. It is only possible when an integrated approach optimizing nutritional inputs with adequate disease control measures are adopted to increase the genetic merit of the indigenous sheep for bringing gainful advantages in quantity and quality of wool.

Issues:

- Inadequate availability of improved breeding Rams/ Bucks
- Indiscriminate breeding resulting in large proportion of non-descript small ruminants
- low nutrient availability and nutritional deficiencies, shortage of drinking water
- Shrinking of fodder grounds.
- Inadequate wool marketing facility & lack of remuneration returns from wool
- Heavy mortality rate of sheep during rainy & winter season

Focus:

- Improving body Weight and wool production.
- Extensive exploitation of superior germplasm.
- Ensuring adequate health care.
- Providing nutrition support to eligible sheep specially in dry, rain fed & desert areas.
- Support for marketing of raw wool.
- Training of Trainers, breeders and Artisans
- Providing insurance coverage to sheep & shepherds

As above, it is proposed to continue 11th Plan ongoing 'Sheep & Wool Improvement Scheme' to the 12th Plan period with total financial outlay of Rs. 31 Crore having following components:

I). Health Care for Sheep:

Sheep is a sensitive animal having high mortality rate during rainy and winter seasons. This small ruminant dies in groups suddenly and affected speedily from infectious diseases. Health coverage (vaccination and treatment) is one of the most neglected aspects of sheep husbandry in our country and proper attention has not been paid for development of sheep and wool. The Health Care component under 'Sheep & Wool Improvement Scheme' was found satisfactory, previously. It is expected that proper health care alone would lead to increase in the production of wool by at least 10% according to the studies carried out by the Central Sheep & Wool Research Institute, (an unit of ICAR) Avikanagar, Jaipur. Health Care component of 'Sheep & Wool Improvement Scheme' will control all possible disease and maintain health of sheep, which will automatically result in lower mortality rate and higher production of wool. Each sheep covered under this project will be provided health care (medicines) for three-years project period during 12th Five Year Plan.

Under the scheme, it is proposed to cover 28 lakh Sheep of various States with Rs. 18/- sheep per year for different medicines according to Health Calendar/policy of concerned State Animal Husbandry Department. A provision of total Rs 15.12 Crores has been made under this component. Physical & Financial targets are as under —

<i>Item/Year</i>	<i>2012-13</i>	<i>2013-14</i>	<i>2014-15</i>	<i>2015-16</i>	<i>2016-17</i>	<i>Total</i>
Physical No. of Sheep in Lakh (Sheep of new + ongoing projects)	11	18 (11 ongoing+ 7 lakh new)	28 (11+7+10)	17 (7+10)	10	84 (28 X 3 years)
Financial Rs. In Lakhs. @ Rs 18/- Sheep per year.	198	324	504	306	180	1512

II) Breed Improvement:

A. Strengthening/ Establishment of Sheep Breeding Farm

It is hoped to increase the production and improve the quality of wool by 10% to 15% by following the methods of selective breeding properly. Though, the progress may be slow the chances of success are higher in selective breeding as the animals are sturdy and fully adapted to their environment over the decades.

It has been observed during 11th plan that breedable good quality Rams were not available to meet the requirement under SWIS projects implemented in various states. The Implementing Agency and beneficiaries had made some sort of compromise on selection of Rams. Existing State Govt. Sheep Farms of wool producing States have not been able to produce desired number of Rams for distribution among farmers.

For the 12th plan, it is proposed to modify Breed Improvement component of SWIS by merging existing two components 'Strengthening of Sheep Breeding Farm' and 'Ram Raising Unit' for raising of male lambs by introducing a new component i.e. 'Strengthening/ Establishment of Sheep Breeding Farm' to provide good quality breedable Rams under SWIS.

Under this proposed component, it is proposed to strengthen/upgrade the existing sheep farms of Center/State Govts and to establish new sheep breeding farms to raise the Rams of different breeds and these will be distributed among beneficiaries of SWIS Projects at average cost of Rs. 5,000/- per ram. It is proposed to provide one time lump-sum grant of Rs. 20 lakh to concern State/Central Govt. Organization/Agencies to strengthen/establish the farm. The Implementing Agencies under SWIS will procure stud Rams from these farms for further distribution among project beneficiaries.

Under this modified component, it is proposed to strengthen/establish 10 Sheep Breeding Farm during 12th Plan period for raising of lambs with existing cost of Rs. 20 lakh per farm to provide 100 stud Rams annually and total 300 Rams in 3 years project period per Farm (50 Rams for each 6 months) for distribution under SWIS project areas for Breed Improvement

B. Distribution of Stud Rams under Breed Improvement:

This component under SWIS, will help the Implementing Agency in making available good quality breedable Rams under project areas for free distribution to a group of 100 breedable sheep. For this purpose, a provision of average cost of Rs. 5,000/- have been made for one stud ram (including cost of insurance, feed & transportation during distribution) for collecting from above ‘Strengthening/ Establishment of Sheep Breeding Farm’ and to distribute under SWIS project beneficiaries. Implementing Agencies may procure stud ram for breed improvement from other Govt. farms/ Private breeders/ other agencies also if these are not available from Govt. farms in required number. Total 3,000 stud rams will be distributed under this component @ Rs. 5,000 each Ram dully insured having best fineness of wool, wool production, staple length luster and body weight.

Physical and Financial targets under distribution of Stud Rams under Breed Improvement of SWIS is as under:

<i>Item/Year</i>	<i>2012-13</i>	<i>2013-14</i>	<i>2014-15</i>	<i>2015-16</i>	<i>2016-17</i>	<i>Total</i>
Physical No. of Rams.	800	680	1520			3,000
Financial Rs. In Lakhs. Average cost @ Rs 5,000/- per Ram.	40	34	76	-	-	150

III) Feed supplement to sheep

As per 11th Plan mid-term evaluation of SWIS, a new component i.e. ‘Feed Supplement’ was added for last two years of 11th Five Year Plan to provide nutrition support to eligible sheep specially in dry, rain fed and desert areas of Rajasthan and Ran area of Gujarat States where availability of fodder is scattered/inadequate. Under this component, feed supplement is provided to weak/pregnant sheep for 3 months in a year to help the sheep breeders to sustain their flock in adverse conditions/period.

Looking at good response for this activity in dry, rain fed and desert areas, it is proposed to continue this activity in 12th Five Year Plan by including Ladakh region of J. & K. under the component and to cover Pashmina goat which produces specialty fibre.

Physical & Financial provisions:

Physical & Financial provision under Feed supplement of SWIS (IWIDP)

(Rs. In lakh)

<i>Item/Year</i>	<i>2012-13</i>	<i>2013-14</i>	<i>2014-15</i>	<i>2015-16</i>	<i>2016-17</i>	<i>Total</i>
Feed supplement to eligible sheep in dry, rain fed area such as desert of Rajasthan and Ran (Kutch-Bhuj) area of Gujarat and cold desert areas of Ladakh region of J. & K. State. Cost @ Rs. 3/- sheep per day for 3 months (90 days) in a year. Eligible sheep (weak/ pregnant sheep) Physical: No of sheep in lakh.	75,000 sheep	75,000 sheep	75,000 sheep	-	-	Total 2.25 lakh sheep
Financial (Rs. in Lakhs).	337	203	68	-	-	608

IV) Revolving fund for Marketing of raw wool:

The sheep breeders of our country are illiterate, backward and from weaker section of the society. Due to that they are exploited by the middlemen and sale their produce (wool) at very low price. No direct market is available in rural areas for their product and Sheep breeders are forced to sale wool on the rates dictated by the middlemen.

In view of this, the component “Revolving Fund for marketing of raw wool” was introduced in 11th Plan period for implementation in last two years only as per report of the mid-term evaluation report of Sheep & Wool Improvement Scheme (IWIDP). Under this component, the Board provided Revolving Fund to different existing State Wool Marketing Federation/ Corp. Ltd. to strengthen marketing support by procuring additional quantity of wool to provide remunerative returns to the wool growers with following objectives:

- Establishing Revolving Fund for raw wool marketing to ensure remunerative returns to the wool growers for their wool.
- To provide support to the woolgrowers for making more investment in this sector by providing them remunerative price for their produce.
- It is expected that the remunerative price will encourage the wool growers to bring about a quantitative and qualitative improvement in their produce.
- It is expected that by increasing the procurement by Government organization to a reasonable capacity will help in stabilizing the price of wool in the market
- It will help in revitalizing the existing State Marketing Organizations and optimum utilization of infrastructure available with them for the purpose.
- It is expected that the farmers will be more receptive to the new technique and developmental programmes if they are assured of fair return of their produce.
- It is expected that large scale marketing by the state organization will help in undertaking grading of wool.

As above, it is proposed to continue this activity in 12th Five Year Plan on large scale by including marketing of wool received from angora rabbits (hilly areas) and Pashmina goats (Ladakh region) along with sheep wool.

Physical & Financial provision under Revolving Fund is as under:

(Rs. in lakh)

<i>Item/Year</i>	<i>2012-13</i>	<i>2013-14</i>	<i>2014-15</i>	<i>2015-16</i>	<i>2016-17</i>	<i>Total</i>
Revolving fund for marketing of Raw wool (sheep, angora rabbit and Pashmina wool) One time fund for creation of revolving fund to support wool marketing. Rs. in Lakhs	50	-	-	10	40	100

V) State Specific Project (as per specific requirement by State Govts.)

During implementation of 11th Five Year Plan scheme, it was observed that some States have their specific demand other than prescribed components and norms of Sheep & Wool Improvement Scheme (SWIS). Accordingly this component have been introduced under SWIS for 12th Plan. Under this component, it is proposed to provide financial assistance under specific demand other than prescribed norms/component of SWIS like provision for particular health care requirement, medical equipments during natural calamities or to control severe disease attack in a particular area, popularize artificial insemination in sheep by conducting massive publicity campaign amongst sheep breeders to motivate them. Such State specific demands differ/vary from States to States looking at local requirement of sheep breeders, climate/environment of State.

Different areas of country producing different types of wool having special characteristics of breed. North Temperate Region of country i.e. Jammu & Kashmir, Himachal Pradesh, Uttarakhand produces fine apparel grade wool while North Western Region (Rajasthan, Gujarat, U.P.) produces best carpet grade wool. Southern region produces coarser grade wool being used in rough Kambals etc. SWIS scheme has no inbuilt flexibility to carry out necessary adjustment of technical and need based requirement for these different areas.

As above, this new component have been introduced under SWIS for 12th Plan period to sanction such projects for improvement of quality and quantity of indigenous wool with financial provision of Rs. 1.10 Crore.

VI) Reimbursement of overhead expenses to implementing agencies:

During implementation of 10th and 11th Five Year Plan scheme, it was observed that some States have some difficulties in proper implementation of SWIS project due to lack of sufficient manpower, infrastructure and migratory nature of sheep flocks. Difficulties have also been faced in regular monitoring of project at field level and work under primary grading and marketing of wool. On the basis of suggestions/ feedback received from the State Govts., it is proposed to provide basic facilities to implementing agencies by reimbursing implementation overhead expenses upto Rs. 5/- per sheep per year for 3 years project period. This financial assistance would be utilized by concerned Implementing Agency to meet miscellaneous overhead expenses for implementation of SWIS projects. Fund under this component may also be used for survey report, registration of beneficiaries along with identity proof and flock size, hiring of technical manpower and their field visits, regular monitoring, stationery, transportation, training to the shepherd and other associated expenses of miscellaneous nature etc.

To cover 28 lakh sheep for a project period of three years, a provision of Rs. 4.20 Crore proposed @ Rs. 5/- per sheep per year for effective implementation of SWIS projects during 12th Plan period as under:

(Rs. in lakh)

<i>Item/Year</i>	<i>2012-13</i>	<i>2013-14</i>	<i>2014-15</i>	<i>2015-16</i>	<i>2016-17</i>	<i>Total</i>
<u>Reimbursement of Overhead Expenses</u> to implementing agencies for implementation of projects @ Rs. 5/- per sheep per year for conducting survey of project area and formulation of project, registration of beneficiaries with no. of sheep flocks village-wise, regular monitoring, field visits, POL and provision for other misc. expenses.	55	90	140	85	50	420

Sanctioning 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.

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

Once the project is sanctioned by Executive Committee, field level changes including appropriation of funds from one component to another within the overall project amount on the recommendation of the Implementing Agency may be agreed by Executive Director/ CWDB for speedy implementation of the project.

Component-wise Financial Implications for 'Sheep & Wool Improvement Scheme' (SWIS) for 12th Plan:

(Rs. in lakh)

<i>SN</i>	<i>Components</i>	<i>Unit</i>	<i>Physical targets</i>	<i>Amount</i>
I	<u>Health Care</u> for sheep (treatment of sheep, medicines, vaccination etc.)	@ Rs. 18/- per sheep per year for 3 years project period	Total 28 lakh sheep for 3 years coverage (Total 28 lakh X 3 years X Rs. 18/-)	1512
II. A.	<u>Strengthening/ Establishment of Sheep Breeding Farm</u> for raising of male lambs to provide good quality breedable	To strengthen/establish Sheep Breeding Farm for raising of lambs @ Rs. 20 lakh per Farm.	10 Total 10 farms @ Rs. 20 lakhs per farm.	200

<i>SN</i>	<i>Components</i>	<i>Unit</i>	<i>Physical targets</i>	<i>Amount</i>
B.	<u>Rams under SWIS.</u> <u>Distribution of Stud Rams under Breed Improvement:</u> It will help the Implementing Agency to make available good quality breedable Rams under project areas for free distribution of stud ram.	3,000 stud rams @ Rs. 5,000 each Ram dully insured for distributions from Sheep Breeding Farms to project areas.		150
III	<u>Feed supplement</u> Sheep: Feed Supplement specially in dry, rain fed area such as desert of Rajasthan, Run area of Gujarat & sheep of cold desert area of Ladakh region.	Cost @ Rs. 3/-sheep per day for 3 months (90 days) in a year.	0.75 lakh Sheep per year X Rs. 3/- sheep X 90 days in Rajasthan, Gujarat and Ladakh region of J. & K. State for 3 years coverage	608
IV	<u>Revolving fund for marketing of raw wool.</u> (Wool of sheep, angora rabbit and Pashmina wool)	Establishment of Revolving Fund to strengthen existing State Govt. Wool Mkt. Fed/Boards for raw wool marketing & to provide remunerative returns to wool growers.	Rs. 100 lakh for marketing of raw wool and to revitalize different State Wool Mkt. Federations/Boards and optimum utilization of infrastructure available with them for this purpose.	100
V	<u>State Specific Project</u> (A) Medical help during natural calamities or to control severe disease attack at once in a particular areas. Popularize Artificial Insemination in sheep breeding by conducting massive publicity campaign amongst Sheep Breeders & motivate them.	SWIS scheme has no inbuilt flexibility to consider State specific demand other than prescribed components and norms. Such State specific demands differ from State to State looking at local requirement of sheep breeders, climate/environment and breed of State.	The Board may consider State Specific Projects proposals within total financial outlay of Rs. 110 lakh during 12 th Plan period with prior approval of the Governing Body of the CWDB or with prior approval from Competent Authority time to time.	110
VI	<u>Reimbursement of Overhead Expenses</u> to implementing agency for implementation of	Rs. 5/- per sheep per year for conducting survey of project area and formulation of project, registration of	Total Rs. 420 lakh (28 lakh sheep X Rs. 5/- sheep X 3 years project period)	420

<i>SN</i>	<i>Components</i>	<i>Unit</i>	<i>Physical targets</i>	<i>Amount</i>
	project.	beneficiaries with no. of sheep flocks village-wise, monitoring, field visits, POL and provision for other misc. implementation expenses.		
		TOTAL		3100

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.