

Guidelines for the implementation of the Pashmina Wool Development Scheme

India produces the finest Pashmina (Cashmere) wool in the world, coming from the Changthang plateau of Ladakh region of J&K State. Pashmina wool is produced by Changra (Pashmina) goat in Ladakh and Chegu breed of goat in the eastern parts of Himalayas.

There are 2.45 lakhs Goat (2 lac Changra & Malra goat which produce Pashmina) in Ladakh, many local type of Non Pashmina goats are also found (nearly 45,000) which come from the same larger genetic pool and contributes little to the total Pashmina production of the region.

The Scheme for Pashmina Wool Development is designed to make a meaningful intervention given the potential of this area to produce Pashmina of fine quality. During the 12th plan a special package with total financial provision of Rs.41.21 Crore has accordingly been introduced with the following objectives:

- To provide the necessary inputs for breed improvement, training, health care and nutritional supplement for qualitative and quantitative improvement in Pashmina wool production;
- To provide health care & nutritional supplement for the Pashmina goat.
- To increase Pashmina goat population by distribution of male and female goats as foundation stock in non-traditional areas.
- Establishment of Multi-purpose Extension Centers for nomads on migratory routes
- Establishment of Pasture Farms for grazing of Pashmina goats during severe cold period especially on migratory routes.
- Undertake Research & Development work for development of Pashmina wool.
- To increase the income from Pashmina wool of the goat breeders and sustain their interest in this activity as a reliable means of livelihood.
- To strengthen existing breeding farms and develop fodder farm/banks.
- To strengthen existing Pashmina Dehairing Plant at Leh.
- To increase Pashmina population growth rate from present 2% per annum (in last 10 years) to 5% per annum with Pashmina population of 3 Lakhs at the end of 12th Plan.
- To increase Pashmina fiber growth rate which is nearly 2% annually to 10% with total Pashmina fiber production of 65.0 Ton at the end of 12th Plan.

The scheme will be operative in the Leh and Kargil area of Ladakh region of J&K State and will benefit existing Pashmina wool growers and unemployed youth people from the area. The Project will be implemented by the State Government Organization\Ladakh Autonomous Hill Development Council, Leh and Kargil\ Universities working in research on Pashmina Goat. The approved Pashmina scheme is attached as Annexure-A.

Projected Fund released pattern has been mentioned in the SFC note which is as tabulated:

Year	12-13 (Actual)	13-14	14-15	15-16	16-17
Fund Released in Lakhs	127.30	947	1157	1147	743

Not more than 50% advance of the cost of any component shall be paid to the IA as per GFR guidelines.

The component wise guidelines are as follows:-

1. Distribution of high quality Pashmina bucks:

- **Departmental selection parameters/eligibility criteria:**

- a. The animal should be in the age group of 1 ½ and 2 ½ years.
- b. Only animals weighing more than 30 kgs within the age group shall be considered for purchase.
- c. The body coat color shall preferably be uniformly white.
- d. The animal should be free from any physical defect/deformity.
- e. The animals should have normal male reproductive organs free from defects and malformations.
- f. The animal should be free of contagious diseases and should possess all the phenotypic characteristics of an elite male.

- **Constitution of Livestock Purchase Committee:**

The livestock purchase committee has the following committee members:

- a. Assistant Director, Pashmina Goat Farm, - Chairman
- b. Technical Officer to District Sheep Husbandry Officer, -Member
- c. Including a representative recommended by Deputy Commissioner, Leh
- d. Block Officer, Sheep Husbandry Department, - Member.
- e. Research Assistant, Pashmina Goat Farm, - Member.
- f. Concerned Block Officer- Member.
- g. Concerned Centre In charge- Member.

- **Selection of desired Pashmina Bucks:**

A minimum quorum of 4 members of the committee including the representative of Deputy Commissioner shall be compulsory for livestock purchase as well as for Buck Exchange. The survey for availability and identification of the quality Pashmina bucks shall be conducted through the departmental staff (flock Supervisors, stock assistants and assistant stockmen) posted in the villages/hamlets/nomadic stations of Changthang.

List of eligible breeders possessing Pashmina bucks for sale shall be received in the office through the above said staff by or before 30th June 2013. The

livestock purchase committee will in turn visit the villages by 1st week of July for screening/physical tagging of the potential animal. The selected animals shall be tagged with permanent ear tags.

The purchased animals are then transported in trucks to Non Traditional areas for distribution to breeders possessing more than 30-50 breedable female, Malra and Pashmina does after an agreement executed by the breeder.

- **Selection of eligible breeders:**

The identification of eligible breeders under the scheme is made through the village based technical staff of the department who maintains and compiles census and livestock holding records of the individual breeders under his jurisdiction. The entire process of identification and recommendation of eligible beneficiary list involves the participation of Panchayati Raj functionaries like Sarpanches and Panches. Other community leaders like Councillors and Namberder are also taken in to confidence. The process involves filling up of an application by the intended beneficiaries. The forms thus filled are then attested by the Sarpanches/Panches/Councillor. The case is then submitted to the District Sheep Husbandry Office after compilation and consolidation of such list at the Block level by the Block Officers. The district office in turn seeks approval of the concerned Executive Councillor with Deputy Commissioner, in coordination. The formal approval is then conveyed to the Block Officers and permanent adjustment and distribution of these bucks amongst breeders are effected.

2. Buck Exchange Programme:

- **Constitution of committees to identify breeders who are interested in exchanging their bucks:** The committee constituted for livestock purchase is also responsible for execution of Buck Exchange Programme. The Buck Exchange Committee has the following Committee Members:
 - a. Director, Pashmina Goat Farm - Chairman
 - b. Technical Officer to District Sheep Husbandry Officer -Member
 - c. Representative recommended by Deputy Commissioner
 - d. Block Officer, Sheep Husbandry Department - Member.
 - e. Research Assistant, Pashmina Goat Farm - Member.
 - f. Concerned Block Officer- Member.
 - g. Concerned Centre In charge- Member.

A minimum quorum of 4 members of the committee including the representative of Deputy Commissioner shall be compulsory for livestock purchase as well as for Buck Exchange.

- **Distribution/exchange procedure:**

The scheme shall be implemented in the Pashmina producing belts as per the approved scheme of the CWDB, Ministry of Textile, Govt. of India. The participatory bucks are identified by the technical staff posted in the villages/target areas. The list of participating breeders is prepared by the centre in-charge and forwards it to the District Sheep Husbandry Officer, Leh/Kargil. The buck Exchange committee executes the exchange process where breeding bucks are exchanged between participating breeders. Such exchanges are carried out on an inter hamlet/ inter village basis. The participating breeders shall be paid Rs 2000/- each as incentives for exchange, although the scheme was implemented in the 11th 5 yr plan where it was experienced that the breeders were reluctant to exchange their best bucks.

3. Assistance for foundation stock in new areas:

- **Selection criteria:** Breeders who possess 30-50 livestock on their own are considered eligible to apply under the scheme. The identification of eligible breeders under the scheme is made through the village based technical staff of the department who maintains and compiles census and livestock holding records of the individual breeders under his jurisdiction. The entire process of identification and recommendation of eligible beneficiary list involves the participation of Panchayati Raj Functionaries like Sarpanches and panches. Other community leaders like Councillors and Namberder are also taken in to confidence. The process involves filling up of an application form which requires filling up of intended beneficiaries name, livestock and family details. The forms thus filled are then attested by the Sarpanches/Panches/Councillor. The case is then submitted to the District Sheep Husbandry Office after compilation and consolidation of such list at the Block level by the Block Officers. The district office in turn seeks approval of the concerned Executive Councillor (LAHDC) with Deputy Commissioner, Leh/Kargil in coordination. The formal approval is then conveyed to the Block Officers.
- **Livestock purchase and distribution including implementing procedure:** The programme shall be executed through Livestock Purchase Committee and most selection criteria applicable to animals purchased under bucks purchase programme are applicable to the purchase of livestock under Assistance to Foundation stock as well. The survey for availability and identification of the quality female livestock shall be conducted through the departmental staff (flock Supervisors, stock assistants and assistant stockmen) posted in the villages/hamlets/nomadic stations of Changthang. Simultaneously list of eligible breeders possessing Pashmina bucks for sale shall be received in the office through the above said staff by or before 30th June. The livestock purchase committee will in turn visit the villages by 1st week of July for screening/physical tagging of the potential animal. The animals are then selected and tagged with permanent ear tags. The purchased animals are then transported in trucks to different areas for distribution among

selected and shortlisted beneficiaries with breeders after an agreement executed by the breeder.

- Agreement to be executed with the breeders

4. Health coverage:

- **Rates and drugs approved by state level purchase committee**
- **Constitution of State level Purchase Committee:** The State level purchase Committee has the following officers as its member:
 - a. Director, Sheep Husbandry Department, Kashmir.
 - b. Director, Animal Husbandry Department, Kashmir.
 - c. Director, Sheep Husbandry Department, Jammu.
 - d. Director, Animal Husbandry Department, Jammu.
- **Composition of Medical kit and health calendar:**
 - a. Terramycin Inj. 10 vials
 - b. Tincture iodine 1 bottle
 - c. Savlon/Dettol 1 bottle
 - d. Antiseptic cream (loraxene) 1 tube
 - e. Potassium Permanganate 1 box
 - f. Cotton 1 medium size roll
 - g. Bandage 1 dozen
 - h. Syringe disposable 5 ml 48 nos
 - i. Hypodermic needle 1 set
 - j. Scissor 1 no
 - k. Forcep 1 no
 - l. Surgical glove 5 pair
 - m. Boric acid 5 nos (100 gms)
 - n. Trocal and Canula 1 set
 - o. Kit bag 1 nosTotal estimated cost Rs 2500-2800/- per kit
- Beneficiaries are already been identified and coverage of the health care will be done through technical staff posted at Sheep Extension Centre of respective village of the Changthang region.

5. Strengthening of existing fodder banks/farms:

- **Location of proposed fodder banks:**
 - a. Rutsebuk, Tegajung to be constructed during 2013-14.
 - b. Tasabuk, Samad to be constructed during 2014-15.
 - c. Charsey (Phobrang) to be constructed during 2015-16.
- **Work plan and design of the fodder bank along with tentative cost:**

The design and DPR will be prepared by Public Works Department

6. Strengthening of Existing Pashmina Goat Breeding Farms:

- **A detail project report stating activities to be carried out in existing Pashmina Goat Breeding Farms:**
 - a. Pashmina Goat Farm, Upshi to be strengthened during the year 2013-14. Construction of Goat pen to be carried out at the farm for which a DPR along with work estimates were prepared by Engineering Wing (REW) of Rural Development Department, LAHDC.
 - b. Pashmina Goat Farm, Khuril will be strengthened during the year 2014-15. Repair and renovation of staff and manager quarter, construction of a Hay Shed at the farm and installation of a borewell at the farm will constitute the components of the farm strengthening effort.
 - c. Strengthening of RMF, Matho: Matho farm shall be taken up for strengthening during the year 2015-16. Upgrading of internal road network, repair of staff quarters and installation of bore well along with a water storage reservoir shall be taken up. The design and estimates for the work to be undertaken in the next financial year shall be taken in due time.
- **Total cost per farm shall not exceed more than 25 lacs:** The farm strengthening effort will keep the budgetary constraint in to consideration and the cost per farm shall not exceed its budgetary limit.
- **Similar detailed project report shall be submitted by DSHO/ Kargil for farm strengthening in Kargil area.**

7. Establishment of Multipurpose Extension Centre (MPEC):

- **LAHDC\ Sheep Husbandry Department will identify the locations where these MPEC will be established in consultation with other dept. like- Agriculture, Forest/ Army/ Wildlife/ etc. NOC from concerned departments (Wildlife, forest, Army etc.) if required shall also be obtained before the finalization of site.**
- **LAHDC, Leh will prepare the list of facilities required in consultation with Sheep Husbandry requirement.**
- **A Detailed Project Report (Report) for each MPEC having all the required facilities within financial limit of Rs. 2.00 Crs shall be submitted by LAHDC Leh to CWDB.**

8. Establishment of Pasture farms on Migratory routes:

- **Location of proposed pasture sites:**
 - a. Pasture land and fodder development station, Nidder during the year 2013-14.
 - b. Pankanagu pasture, Samad during the year 2014-15.
 - c. Tegazing pasture, Korzok during the year 2015-16.
- **The technical feasibility study by Sher-e- Kashmir University**
- **Facilities to be required at the pasture farms:**
 - a. Irrigation facility and Technology (drip irrigation, sprinkler system, minor and micro irrigation channels shall be adopted) The choice of technology

will depend upon contour/slope of the pastureland, geology of the soil, ease and access of water for irrigation.

- b. Lift irrigation system/Solar Bore well will be installed where ever necessary at such sites. Reservoir tank and pondages will be created. Hay sheds as well as chowkidars quarters will be constructed. Fencing of land, if necessary will also be carried out.
- **DPR for establishment of pasture farms at migratory sites** shall be prepared under overall supervision of concern Dist. Commissioner and Director, Sheep Husbandry department, Kashmir and the development cost will not exceed the financial allocation of Rs 267 lakhs per pasture farms.

9. Feed supplement:

- Procurement and distribution procedure for feed supplement: Tender was floated by Animal Husbandry Department for the short-listing of suppliers and the supplier for feed will be identified by Dist. Purchase committee headed by Deputy Commissioner following GFR rules and due procedure.
- The feed shall be first stocked in advance in various nomadic villages as per the quota allotted to the villages under distribution list prepared on the basis of annual livestock census report of the district. Once the entire stocking is completed, A distribution committee involving Executive councilor, councilor of respective region, respective Sarpanches, block administration and officials of Sheep Husbandry Department, Leh/ Kargil is constituted under whose direct supervision the entire distribution is carried out. The day chosen for distribution of feed in a particular village is announced publicly on the Local AIR channel. The distribution of feed is then carried out on the date in the presence of the committee constituted for the purpose and receipts of the feed allotted to individual along with other details are collected on the spot.

10. Training programme/Breeder orientation camp:

- **Training camps shall be organized as per Annual calendar approved by the competent authority.**

11. Assistance for providing portable Tents, Torch, Gumboots and Goggles:

- **Specifications (design, material to be used, area) for the items along with estimated cost:** Tender for the items along with required specifications will float by Dist. Purchase committee headed by Deputy Commissioner for sourcing of tents and other items.
- **Procurement and distribution procedures:**
 - a. Nomadic families shall be selected in consultation with public representatives.
 - b. The application forms shall be mandatory recommended by concerned sarpanches.

- c. The annual duration of migration and no of pastures visited in a year along with total livestock holding of the family will be taken into consideration
- d. Formal approval will be granted and communicated to block offices and a distribution committee comprising of public representatives, both local and regional along with departmental officers shall executed the final distribution process after notifying the shortlisted beneficiaries.

12. Assistance for setting up Pashmina Goat Pen for protecting flocks:

- **Specifications (design, material to be used, area of goat pen etc) for goat pen including approx cost:** The structure will be constructed of stone bricks mortared with mud plaster in between brick layers. The goat pen will be have an inside dimension of 30 feet x 30 feet and will have a height of 5 feet including 1 feet foundation. It will also have a provision of a kidding/lambing pen of the dimension of 8 feet x 5 feet nested inside the main shed. The width of the wall shall be 1 ½ feet thick and the structure shall be constructed in a well-drained area.

The beneficiary shall engaged local mason for the purpose and the labor cost shall be borne by the beneficiary themselves. The total cost of construction will be kept under Rs 15,000/-.

- **Procedure to be followed for its construction:** As building a mud plastered rectangular stone enclosure does not required much engineering expertise the beneficiary themselves under the supervision of the technical staff of the department shall carry out the construction by engaging a local mason. The possibility of constructing the sheds through PWD, Leh/ Kargil within per unit financial ceiling shall also be explored. The structure shall be built in conformance with the design and specification adopted and communicated by the department.

13. Distribution of Improved Pashmina Comb:

- **Specification of the Pashmina Comb:** Pashmina comb with hooked teeth pointed ends of top quality galvanized rods (strong wire) with short handle. The comb should not weight more than 350gms and total length up to curvature of hooked teeth should not be more than 16 inches. The inter teeth space should be 4-5mm only. The strong wire (rods) should not bend easily during storage and handling. The hooked teeth should run through two strong flat galvanized iron clips. The bottom one should marginally moveable and the top one should be freely moveable along the teeth bars. The clips should have 1½ cm ears on both sides for smooth adjustment. The pointed ends of teeth should be smoothened properly so that they do not bruise the skin of goats at the time of combing.
- **Procurement procedure being followed:** A prototype Pashmina comb was prepared by the department based on field test and user acceptance. A sample

based tender for procurement of Pashmina comb has been floated by the District Purchase Committee, Leh/ Kargil.

- 1/4th of the breeders of one village to be covered every year

14. Up gradation of existing Pashmina Dehairing plant

- Wool research Association (WRA) Thane will visit Leh and will submit a detailed project Report for installation of new Dehairing Plant along with the identification of machineries/ equipment required to be repaired (in existing Plant) .
- WRA will prepare a Detailed Project Report (DPR) having road map, consisting of time bound activities, step by step action plan for repairing of the existing plant, installation of new plant\ laboratory.
- As total provision of Rs. 6.00 Crs have been made for this activity in the approved SFC note, so total project cost shall be within this amount.

15. **R&D** work will be done by CSWRI, WRA and Sher-e-Kashmir University of Agriculture Science & Technology.

Monitoring of the Scheme

- The District collector will monitor the implementation of each component meticulously every month, get random physical verification done by a committee of officers and send monthly report to the Ministry by 5th of every month.
- The committee for monitoring the implementation & progress of the Pashmina Project will be of following five members
 - I. Chairman LAHDC/ Leh as Chairman.
 - II. Dy. Commissioner / Leh, as Member
 - III. Executive Director/ CWDB, as member
 - IV. Dy. Secy. / Director (Wool) as Member
 - V. District Sheep Husbandry Officer (DSHO) (Leh) as Member secretary

The committee will meet regularly to monitor the progress of the project.

- Executive committee- Executive Committee consisting of following will approve the project proposals:
 - I. Joint Secretary (Wool)/ MOT as Chairman
 - II. Dy. Secretary (Finance)/ MOT
 - III. Director/ Wool Research Association
 - IV. Director/ Central Sheep and Wool research Institute
 - V. Director/ Animal Husbandry, Govt. of Rajasthan
 - VI. Secretary General (IWMF)
 - VII. Director (VSI), Planning Commission Delhi
 - VIII. Secretary General/ Indian Woollen Mills federation
 - IX. Executive Director / CWDB/ Jodhpur as Member Secretary

(Data Source: Wool Section, Website updated on 05-08-2013)