

## **Scheme for the conservation and development of indigenous cattle (Gausamvardhan) 2017-18**

This scheme is being implemented by the department in the State with the objective of conservation and development of the indigenous breeds of cows. It is a continued scheme for which an amount of Rs. 400 lacs has been provided in the budget for the year 2017-18. As per 2012 census, the State has livestock population of 89.98 lakh out of which 18.08 lakhs is cattle. Out of total cattle population, 8.12 lakhs are indigenous cattle and 9.96 lakhs are exotic/cross bred cattle. Lack of concerted efforts towards genetic improvement of the indigenous cattle breeds have contributed to their gradual decline. The population of indigenous cattle has reached an all time low and urgent measures are required for conservation and development of these indigenous breeds. Being the home tract, the State is under moral, social and national obligation to undertake integrated development of Hariana and Sahiwal breed of cattle. The potential to enhance the productivity of the Indigenous breeds of cattle through professional management and appropriate nutrition is immense. For this, it is essential to promote conservation and development of indigenous breeds. Livestock Sector has an important role in the integrated farming system particularly for the small as well as land less farmers in the State of Haryana. It has great potential for further growth of national economy provided it gets much needed policy support including emphasis on genetic resource conservation, improvement of valuable indigenous breeds, their health, nutrition etc. In spite of having quality genetic resources, the productivity of indigenous cows in the State has not increased up-to the desired level, mainly because of indiscriminate breeding, lack of record keeping, poor managerial conditions and unscientific feeding practices.

### **Long term objectives:-**

Long term objectives of the department in implementing this scheme are:

- i. Increase in milk production and productivity.
- ii. Upgradation of valuable indigenous germplasm available in the State through selective breeding.

### **Medium term objectives (5 years Horizon):-**

Under this scheme initial approach will be on screening of the base population of Hariana , Sahiwal and Belahi breed of cows for identification with their peak yield more than 8 Kg., and 10 Kg. and 5 Kg. of milk respectively and their progeny. With the following objectives in view, there is a target to identify 2000 indigenous (Hariana, Sahiwal and Belahi) cows in the State during the current financial year 2017-18.

- i. Identification of top quality germplasm and insemination with quality semen for sustainable genetic improvement.

- ii. Procurement of pedigreed young indigenous bulls (male calves) for further supply in the State/Country.
- iii. Encouraging the farmers to rear better yielding animals.

**Impact expected:-**

So far as the expected impact is concerned, it will be as under:-

- i. 'In situ' Germplasm Bank would become available from where other states and organization can meet their demand for good quality genetic material required to upgrade their stock.
- ii. Certified quality young bulls for Semen Production Centres as well as for natural breeding would be available.

**Strategies:-**

All the Haryana, Sahiwal and Belahi cows, meeting the bench mark of 8 kg peak yield and 10 kg peak yield and 5 Kg peak yeild respectively would be properly identified (with ear tags) along with their progeny. Cash incentives ranging from Rs. 5000/- to Rs. 20,000/- would be given to owners of these cows.

**Roll out of the Scheme in Terms of Commencement of Activities:-**

Under the scheme, the Haryana , Sahiwal and Belahi cows, meeting the bench mark of 8 kg peak yield and 10 kg peak yield and 5 Kg peak yeild respectively will be recorded and identified. The recording of milk production would be done in a Public Institution (in full public view) following a prior notice by a committee consisting of:

- i. Deputy Director (AH)/ Sub Divisional Officer(A.H)/Semen Bank Officer
- ii. Area Veterinary Surgeon
- iii. Representative of Local Bodies i.e. Panchayat/ Municipal Committee

Only the animals possessing true breed characteristics will be allowed to participate in the performance recordings. Milk production shall be recorded for four consecutive timings (Morning and Evening) and an average of the last three milking would be counted for calculation of the peak yield. The first recording would be treated as "Emptying milk yield". Immediately after the performance recording (4<sup>th</sup> milking) in a Public institution, the cows meeting the minimum production bench mark and their accompanying progeny (suckling calves) would be identified through ear tagging and a proper record would be maintained by the concerned Veterinary Hospital.

All identified cows will be got insured. Insurance of these animals will be done at the spot and insurance premium will be borne as per the prevailing insurance scheme or in the

absence of which 100% insurance premium will be met out of this scheme in case of SC beneficiaries and 50% in the case of general beneficiaries.

### **Cash flow Requirement as per Roll Out Plan:-**

Under this scheme up till now indigenous breeds of Haryana and Sahiwal were included whereas a new indigenous breed Belahi has also been registered by the National Bureau of Animal Genetic Resources, Karnal owing to which this breed needs to be included in the scheme so that the farmers keeping the cattle of this breed may also be encouraged to rear and propagate this new indigenous breed.

Cash incentive at the following rates is proposed to be given to the owners of the recorded cows :-

**i. Haryana Cows**

<b>Peak Yield in Kg</b>	<b>Incentive Money (Rs.)</b>
8 to 10 Kg	Rs. 10,000/-
>10 to 12 Kg)	Rs. 15,000/-
Above 12 Kg)	Rs. 20000/-

**ii. Sahiwal Cows**

<b>Peak Yield in Kg</b>	<b>Incentive Money (Rs.)</b>
10 to 12 Kg	Rs. 10,000/-
>12 to 15 Kg	Rs. 15,000/-
Above 15 Kg	Rs. 20,000/-

**iii Belahi cows**

<b>Peak Yield</b>	<b>Incentive Money</b>
5-8 Kg.	Rs. 5000/-
8-10 Kg.	Rs. 10000/-
Above 10 Kg.	Rs. 15000/-

This being a scheme for welfare of farmers and for development and conservation of indigenous cattle, it need an extensive and wide publicity for which a sum of Rs. 10,000/- per district totalling to Rs. 2.20 lac and Rs. 10.00 lac for headquarter is provided for the year 2017-18. To implement this scheme, to cover more and more farmers and to achieve the allotted target, outsourcing of one jeep on monthly basis for each district would be done to provide mobility to the staff.

As main objective of this scheme is to encourage the farmers to rear good quality indigenous cattle so, it is desirable that the benefits of this scheme should reach to maximum number of farmers within the budget available and it has already been decided by the Government that:-

- i. A maximum of two animals (cows) per farmer/organization will be eligible for the incentive money under this scheme. However, the recordings of the all/as much number as possible belonging to any farmer/organization should be carried out for collecting the data of the top quality indigenous cows.
- ii. The milk recording of the cows under the scheme should be done under public view preferably at a common public place to avoid any possible malpractice.
- iii. The incentive money of the recorded cows be released after four months of the peak recording to avoid the chances of the same cow being recorded again during its current lactation.
- iv. An animal (designated breed of cow) be allowed to participate in such milk recording under the scheme for one time in its lifetime.