

Subject: Scheme for the conservation and development of indigenous cattle (Gausamvardhan) 2015-16.

This scheme has been included in the Annual Plan 2015-16 with an objective of conservation and development of the indigenous cows. It is a new scheme and in principle stands approved by the Govt. in the State Annual Plan. An amount of Rs.100.00 lac is earmarked for this scheme. 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 objective**

Long term objective of the department in implementing these schemes is:

- 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 for their peak yield for identification of Haryana and Sahiwal cows (and their progeny) yielding more than 6 Kg. and 10 Kg. of milk respectively. With the following objectives in view, there is a target to identify 1000 indigenous (Haryana and Sahiwal) cows in the State during the current Annual Plan 2015-16.

- (i) Identification of top quality germplasm and their insemination with better 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.

- **Annual Objectives & Impact expected.**

For the Annual Plan 2015-16 an outlay of Rs. 18750.00 lac has been provided to the department under the State Plan out of which Rs. 7240.00 lac is available with the department for development activities and the rest of Rs. 11510.00 lac are earmarked for capital outlay (Rs.4200.00 lac), grant to the LUVAS, Hisar (Rs1550.00 lac) and payment of salary to the Staff sanction under the Plan Schemes (Rs.5760.00 lac). With this amount of Rs. 7240.00 lac the department intends to implement this scheme with an outlay of Rs.100.00 lac in the current Annual Plan:-

So far as the expected impact is concerned, it is given 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 and Sahiwal cows, meeting the bench mark of 6 kg peak yield and 10 kg peak yield respectively would be properly identified (with ear tags) along with their progeny. Cash incentives ranging from Rs. 10,000/- 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 and Sahiwal cows, meeting the bench mark of 6 kg peak yield and 10 kg peak yield 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 (4th 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**

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

- i). **Haryana Cows**

| Peak Yield in Kg | Incentive Money (Rs.) |
|------------------|-----------------------|
| (6 to 8 Kg) | Rs. 10,000/- |
| (>8 to 10 Kg) | Rs. 15,000/- |
| (Above 10 Kg) | Rs. 20000/- |

- ii). **Sahiwal Cows**

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

This being a new scheme an extensive and wide publicity of this scheme is to be made for which a minimum sum of Rs. 10,000/- per district totaling to Rs. 2.10 lac and Rs. 10.00 lac for headquarter is proposed for the year 2015-16 under the scheme. Funds for this purpose are required from the 2nd quarter onwards. However, to achieve this target, the outsourcing of one jeep on monthly basis for each district would be done to provide mobility to the staff.

- **Reporting system/Format**

Monthly meetings at the level of Deputy Directors are organized regularly in which the Veterinary surgeons submit the monthly reports. These monthly reports are compiled at the level of the Deputy Directors and are sent to the Head quarters. Quarterly review meetings are conducted at the headquarters under the Chairmanship of PSAH/DGAH&D.

Animal Husbandry & Dairying Department

| Physical t | t for Identificati | ttle for th | 2015-16 |
|------------|--------------------|---|---------|
| Sr. No. | Name of District | Identification of indigenous cows (6 Kg and above) | |
| 1 | 2 | 3 | |
| 1 | Ambala | 50 | |
| 2 | Bhiwani | 50 | |
| 3 | Faridabad | 40 | |
| 4 | Fatehabad | 40 | |
| 5 | Gurgaon | 40 | |
| 6 | Hisar | 50 | |
| 7 | Jhajjar | 50 | |
| 8 | Jind | 50 | |
| 9 | Kaithal | 50 | |
| 10 | Kamal | 50 | |
| 11 | Kurukshetra | 50 | |
| 12 | Mahendergarh | 50 | |
| 13 | Mewat | 40 | |
| 14 | Panchkula | 40 | |
| 15 | Panipat | 50 | |
| 16 | Palwal | 50 | |
| 17 | Rewari | 50 | |
| 18 | Rohtak | 50 | |
| 19 | Sirsa | 50 | |
| 20 | Sonipat | 50 | |
| 21 | Yamuna Nagar | 50 | |
| | Total | 1000 | |