

## **“Livestock is an important and integral part of Indian agriculture and rural economy”.**

### **1. Title: “Distribution of Power Driven Chaff Cutter”**

2. **Category:** Animal husbandry

### **3. Challenge:**

The economic viability of livestock husbandry is dependent on the genetic potential for production, good health care, balanced feeding of animals and efficient marketing of the produce. While genetic improvement and health care are the prerequisites for sustainability, efficient feeding and marketing will help in increasing the profitability. However, the profitability is directly dependent on the sources of feed and fodder, as about above 80% of the total cost of livestock farming is attributed to feeding. Any saving in feed and fodder cost would directly contribute to increase in profitability

It is a crystal clear that, fodder and feed is an essential part of animal Husbandry. Nutrients like Proteins, Carbohydrates, Fats, Minerals, vitamins are essential for maintaining the animal body and health. Feed and fodder is the only source for providing these nutrients to animal. Also, feed and fodder is a basic intake for the production of milk and meat.

Fodder production and its utilization depend on the cropping pattern, climate, socio-economic conditions and type of livestock. The cattle and buffaloes are normally fed on the fodder available from cultivated areas, supplemented to a small extent by harvested grasses and top feeds.

During the scarcity period and at the time of other natural calamities, it is a challenge to save the precious livestock. There is tremendous pressure of livestock on available feed and fodder, as land available for fodder production has been decreasing. Scarcity situation is occurring in the state periodically after every 3-4 years. During the year 2011-12 & 2012-13, there were 1327 cattle camps were opened in 11 districts of Maharashtra and 9, 80, 818 animals were admitted in these cattle camps. State Government had spent more on the maintained of cattle admitted in the cattle camps..

### **4. Initiative:**

Thick stemmed and un-chewable material if cut into small pieces becomes edible and palatable to the animals. It increases the intake of animals and saves body energy spent on chewing, apart from wastage of fodder. It has been estimated that using chaff cutters can save 20 to 30% of wastage of fodder. As wastage is reduced, surplus fodder available can be fed to more number of livestock. Use of Chaff cutter definitely saves minimum Rs 100 Crore per year. Considering this fact, Distribution of chaff cutter proposal was submitted and scheme

was implemented as per the guidelines of National Livestock Mission of Government of India. 2 H.P. Power Driven Chaff-cutters as per I.S.I. Specifications considering the Rs. 10,000/ unit cost on the 50 % subsidy cost . Total 31108 chaff cutters were distributed in the Maharashtra.

**Kamdhenu dairy co-operative society** is established in year 1966 and procuring milk 70 lit per day. Dairy supplying milk to private vendor but to financial loss the milk collection activity of dairy co-operative discontinued. In year 1990 the few village youth come together and restarted dairies milk collection activities with procurement of 100 lit milk per day. Dairy co-operative started supplying collected milk to Kolhapur Zilla Sahakari Dudh Utpadak Sangh Ltd; Kolhapur (Gokul milk Union). The elected DCS management committee member (MCM) visited to the various departments of Gokul Milk Union and made strategic plan for increase the milk procurement.

Started implementing Gokul Milk Unions inputs activity on large scale at farmer's door steps, like Veterinary health service, Artificial insemination service, Vaccination, deworming of animals, cultivation of green fodder. Purchased Murrah buffaloes from Haryana and crossbred Cows from Bangalore for increase in daily milk procurement.

Orientation of the producer member for participation in Union's upgraded female calf rearing programme . Distributed Chaff cutter machines to reduce fodder wastage and cost of milk production with the help of Rashtriya Krishi Vikas Yojana, National livestock mission, State Government and Gokul milk Union.

## **5. Key result:**

Organized farmers orientation programme at Union's Micro Training Centre for the adoption of recent techniques for enhancement of productivity of animals. Because of the above strategic planning the milk producer's attitude changed towards the dairy farming. The farmers interest in dairy farming has increased and they are using latest techniques in dairy farming as use of chaff cutters, feeding the feed additives {Mineral mixture, Bypass fat, Bypass protein, Silage making, Hydroponic technology for green fodder production, improved fodder seed for cultivation of green fodder etc.

Now, society has 70 chaff cutters from Rashtriya Krishi Vikas Yojana and 198 chaff cutters from other schemes. Society have 5 silage units, 121 silage bags, 8 hydroponic units of 50 kg.

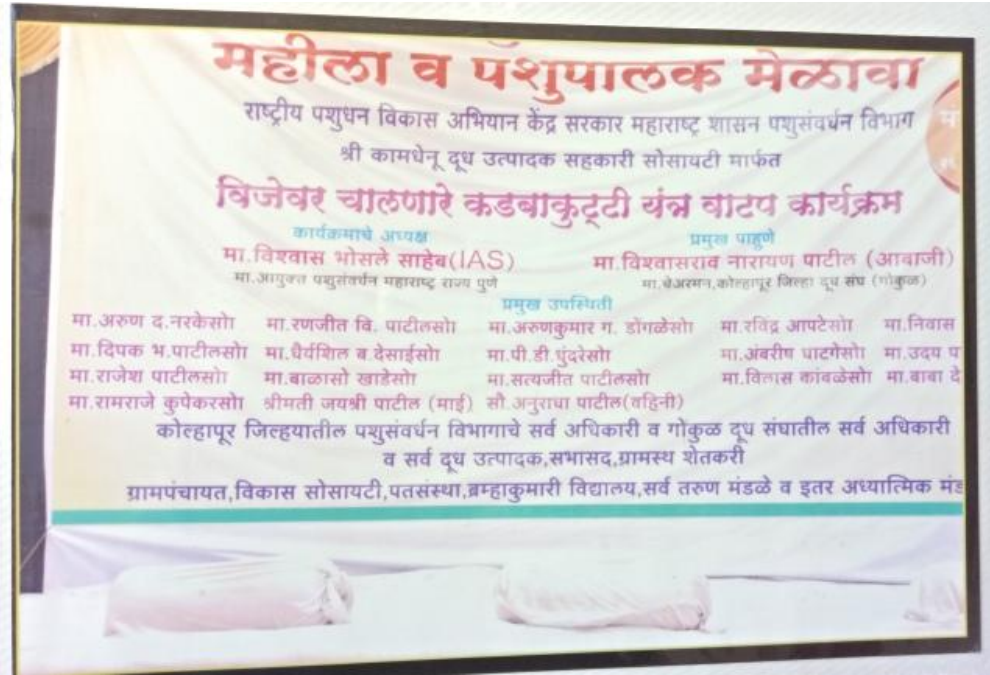
## **6. Impact:**

**With the positive and continual effort of management committee members and milk producers, now DCS milk procurement is average 2500 lit per day.**

Kamdhenu dairy co-operative society has received many awards due to collective efforts in dairy sector.

## **Contact persons:**

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Distribution of Power Driven Chaff Cutter



Chaff cutter with beneficiary



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Land under cultivation





Milk procurement is average 2500 lit per day.