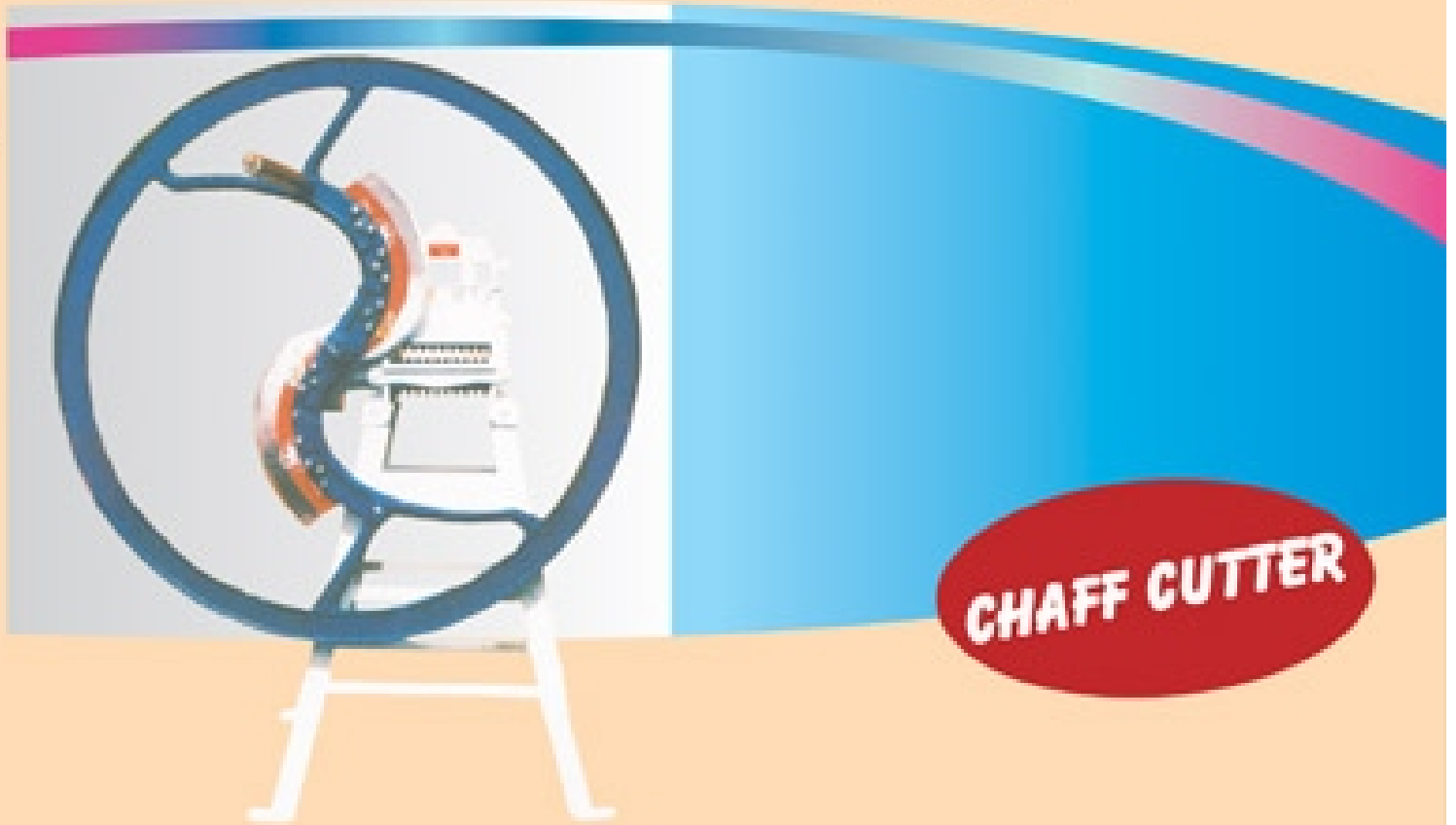




SAMALKHA INDUSTRIAL ASSOCIATION

Regd. No. 2771



CHAFF CUTTER

SAMALKHA INDUSTRIAL ASSOCIATION

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Supported by :



Foundation for MSME Clusters

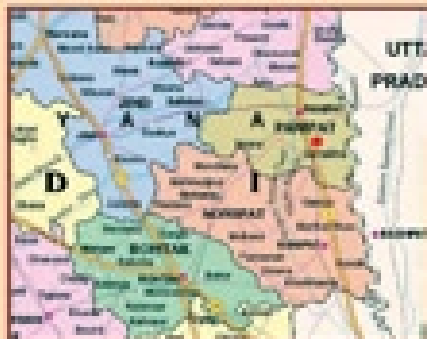


Department of Science & Technology, Govt. of India

Marketing Assistance :



Samalkha Industrial Association:



Samalkha Industrial Association [SIA] is one of the most outspoken and effective Association in the Northern Region. SIA members are involved in manufacturing of different kinds of chaff cutters and supplying mainly to northern India and also to the export market. SIA offers Toka chaff cutters machine, Hand cum power chaff cutters machine, power driven chaff cutter machine etc

Samalkha is a small town in the district of Panipat (Haryana).The town is well known for its foundry Cluster in the region. The cluster was developed in late 40s and early 50s. In 1949 a family of local traders brought this business to this town. They migrated trained workers to transfer their technical knowhow from Goraya (Punjab). This still continues to be the benchmark Chaff Cutter cluster for Samalkha.

Role of Support Agencies :

Department of Science and Technology (DST), Ministry of Science & Technology has initiated a "Programme on Innovation Cluster" (PIC) with a vision to promote collaborative research, development and commercialization among MSME (Micro Small Medium Enterprise) cluster to promote production of high value goods and services using the innovative route. The project aims to support the Indian industry to move up the knowledge pyramid and operate at the frontiers of knowledge.

Under the project "Programme on Innovation Cluster" an implementing agency Foundation for MSME cluster have been appointed to carry out the cluster development program in Samalkha Foundry Cluster.

Facts about Chaff Cutter :

- Average 30% in dry grass and 15% in green grass can be saved by use of Chaff Cutter
- Considering above fact, if daily 5 bundles of dry grass is used to feed one Animal and cost of one bundle is Rs. 15 saving will be 30% of Rs. 15 = Rs. 4.. For 5 bundles Rs. 4.5 X 5 = Rs. 22.5 per Animal per day
- If the green grass is used daily 20KG to feed one animal, savings will be 3KG (15%). Cost of green grass is Rs. 2 / KG you can save Rs. 6 daily / Animal
- If the fodder is cut in to the small pieces to feed the animal, that will help to increase the productivity of the milk in terms of quantity as well as quality.
- Roughly 8% milk production can be increased by feeding small pieces of grass and also 7% of fat can be increased.
- Approximately 5.5% fat can be availed from one litre milk. If the fat is increased by 7% total fat obtained from one litre will increases to 5.9%. This increase of fat can earn roughly Rs. 6 per litre to the farmer.

Power Driven without Gear Chaff Cutter Machine :

A power driven chaff cutter machine is easily operated with 2hp/3hp/5hp motor. The heavy-duty head mounted on strong iron frame are bolted on sturdy iron legs. The rising mouth is 9" wide, with three feeding rollers driven by long worm and three gears that are casted from machine's pattern enable the smooth operations. An oil box is neatly covered for safety and durability. To make the chaff cutter smoother in operation it's axle has three high - speed bearing 6205, 6306, 6207.



Salient features :

- Width of rising month 9" or 10" for more output.
- Machine is fitted with high- speed ball bearing for smooth running.
- Machine is supplied with iron or wooden parnala, spanner, and nut bolts.
- The mouth of the machines is grinded on an automatic grinding machine for smooth and equal cutting of fodder.
- This machine can cut dry & green both the types of fodder.

Kind of worm	Number of Gear Teeth	Chaff Length
Single Thread	11	5/8"
Single Thread	12	5/8" -9/16"
Single Thread	13	1/2"
Single Thread	15	7/16"
Single Thread	18	3/8"

Hand Cum Power Driven Chaff - Cutter Machine

The chaff-cutter comes in of basic designs i.e. the ball bearing type incorporating two anti friction bearing size 6204 and 6206 or the sada version the cost iron brush type (without Bearing). The rising mouth have two different types of tension, both equally and available in either the ball bearing or sada incorporates a tann and one high tension side spring.

Both the chaff-cutter heads are mounted on strong legs with forged feet. The rising mouth both is 8.25 with tow feeding rollers which are driven by a warm and two gears that are casted from machines patterns enabling smooth operation and reducing excessive friction.



Salient Features :

- Mounted on steel and braces that makes the machine easily bolted to the floor.
- Width of rising mouth 8.25"
- Diameter of fly-Wheel 32" ,42" or 48" (as desired or applicable)
- Worm or Gear are made of Machined Pattern enabling the operator to drive smoothly and keep the machine away from excessive friction.
- Machines is supplied with iron parnala, spanner, handle fitting with bolt and without blades.

Kind of worm Thread on both the end	Number of Gear Teeth	Chaff Length
Single & Double Thread	11	5/8" to 1 1/4"
Single & Double Thread	15	5/16" to 7/8"
Single Thread	11	5/8"
Single Thread	13	1/2"
Single Thread	15	7/16"

Power Driven With Gear Chaff - Cutter Machine



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