

## **Compressed solid feed block making machine for cattles**

National Engineering Research and Development Centre has developed a novel hay block making machine which can be used for manufacturing solid feed blocks for cattle. It is a semi-automatic machine and it makes cattle feed blocks using hay and other required nutrients in hygienic manner. Production capacity of the developed machine is 100 blocks/hr with 200 mm × 200 mm × 110 mm size and 2 kg weight.

These hay blocks can be stored for more than six months and transported very easily because of their square shape and size. All the ingredients (rice bran, coconut poonac, minerals, etc) can include as per the requirement for these hay blocks with or without molasses. Hay blocks can be made especially in ingredients available seasons and they can be used in the dry season as well as rainy season. Introducing this solid feed blocks are resolved issues related to cattle industry such as unavailability of grass lands, storage and transport facility for cattle feeds. These nutrient filled hay blocks directly support to increase milk yield of the cow and ultimately it will support to increase the gross milk production of Sri Lanka.

### **Recipe:**

- Hay 70%
- Molasses 10%
- Cereals 5%
- Rice brand 7.4%
- Oil cake 7%
- Mineral mixture 0.4%
- Salt 0.2%

