

TECHNOLOGIES DEVELOPED AT DEPARTMENT OF LIVESTOCK PRODUCTION MANAGEMENT, CVASc.

1. Development of Slatted Aerated Platform for improving wellbeing of goats

- i.
- ii. **Aim** To provide comfortable and hygienic housing conditions for goats.
- iii. **Principle** The goats have the natural instinct to rise over to the elevated surface for rest. They dislike resting on floor especially when it is wet with water, urine or dung.
- iv. **Device** The slatted aerated platform is made up of three components-
 - 1.The gallery (1.0 m wide on all sides) for movement and cleaning.
 - 2.Iron angle trusses to support the wooden platform above.
 - 3.Slatted platform, 5.5 m x 2.75 m dimension, made up of 70 Shesham (*Dalbergia sissoo*) strips (135 x 10 x 2 cm size each) screwed, with a gap of 2 cm, to truss below in two rows. The platform has a gradient of 1:90 from North to South and to both the sides from mid longitudinal ridge. The inclined steps (7 no.) are fixed to encourage easy ride over and step down.
- v. **Application/ use** The goats rose over to the platform using inclined surface through gallery. The leaders encouraged other fellows too. They remained on the platform and rested for longer period. The faeces and urine passed through the slits down, keeping the goats dry and healthy.
- vi. **Advantages**
 1. The device kept animals clean and dry.
 2. The animals felt more comfortable.
 3. The parasitic load was significantly reduced, making animals more productive.



Slatted aerated platform for goats