“Gaushala”
[COW-HERD]
for
in situ Conservation
of Indigenous Cattle Breeds

D. K. Sadana, N.B.A.G.R., KARNAL INDIA
A Gaushala
Another Gaushala
Intervention
Intervention
Features of indigenous breeds

Harsh Environment

Longevity

Feed
Glimpses of Elite Gaushalas engaged in enhanced Bull use, utilization of animal by-products, Panchgavya, Cottage industry and/or Breed Conservation
KANPUR GAUSHALA SOCIETY, Kanpur (UP)

**Enhanced Utilization of Bulls**

- The Gaushala is working for enhanced utilization of bulls for rural activities which raises the demand and value of bulls.
- Bulls have been put to use for lifting of ground water, chaff-cutting, use in bull-driven-tractor, for generating electricity and for ‘charging’ an inverter.
- In addition, the Gaushala has innovatively developed several panchgavya medicines based on cow-urine from indigenous cattle breeds.
Using innovative chemical and cryogenic systems, this Gaushala has successfully separated methane from gobar gas and also bottled it for successful use in car and auto.

- The separated $\text{CO}_2$ is compressed and liquefied for sale.
- The Gaushala generates all of its energy-requirements by in-house means and has gained the extraordinary distinction of not consuming any energy (electrical or other) in the Gaushala from outside the Gaushala [ Zero-energy from outside ].
Conserve Kankrej Cattle

Conserve Sanchori Cattle

- Gaushala has more than 12,000 cows of which ~7,000 are pure Kankrej (along with about 500 local ‘Sanchori’ cows).
- Organic Desi ghee is prepared and sold in tins.
- Panchgavya medicines are prepared.
- Good quality young males are made available to farmers in the surrounding villages for breeding purpose.
Conserve Tharparkar Cattle

- The Gaushala has 100 pure improved Tharparkar cattle.
- Tharparkar bulls are maintained for pure breeding.
- Cow milk, Panchgavya medicines and Vermi-compost are prepared and sold.
RASHTRIYA GAUSHALA, DHAROULI (Jind)

Conserve Hariana Cattle

- The model of ‘twin Gaushalas’ has been followed whereby one Gaushala is kept mainly for ‘jeevdaya’ (save-cows) and the other for breed improvement.
- More than 500 Hariana purebred cows maintained for production of young Hariana bulls.
- Cows are selected based on milk yield. Peak daily yield in cows has been recorded as 22 kg.
Conserve Sahiwal Cattle

- Pure Sahiwal cattle (140) are maintained.
- Animals are tattooed, pedigree and performance recording is done.
- Peak yield is 21 kg; all the cows yield 12 kg or more.
- They follow organic farming.
Multifarious & Productive use of Bulls
Use of Gobar (Dung)

Gobar Gas (Bio-gas)
Methane and CO$_2$ from Gobar Gas.
Electricity generation in rural setup
Bio-pesticide
Bio-pesticide
Breed Conservation
Panchgavya
Products & Rural Cottage Industry
Record Maintenance in Gaushala
Intervention

10 P Model

New Bull Shed made at Bikaner Gaushala under 10P Model
Gaushala

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10-P Barn

10% Cattle

Controlled open nucleus breeding within Gaushala
Gaushala
A way of Life!
Way of Life!