



# GOU VAARTA:

VOICE OF DESI COWS

Q4-2018



## Vechur - Native breed in news



The Central Government has directed the Kerala Livestock Development Board (KLDB) to increase the number of genetically-important cows through embryo transfer technology.

Jose James, managing director of KLDB, told Express as part of conserving the native variety of cows in the state, the board was told to produce Vechur calves using the embryo transfer technology for which the Centre has sanctioned a sum of Rs 2.49 crore. "The board has a hi-tech lab in Mattupetti where the training for the vets is under way," he said.

Vechur cow is noted for its disease resistance and low maintenance cost.

## Gou-Green - A bus that runs on bio-gas produced from cow dung



## **Cheapest bus in India fuelled by cow dung bio-gas launched in Kolkata**

A Kolkata-based company has designed a bus that will run on bio-gas produced from cow dung.

The bus runs between Ultadanga in the north and Garia in the south in Kolkata.

At just Re 1 for the 17.5 km stretch, the bus will be the cheapest mode of transport for a passenger in the country.

Bio-gas is produced from animal and plant waste and principally consists of methane. It is a non-toxic colourless flammable gas that can be used as fuel for vehicles, cooking and generating electricity. It is also a clean source of fuel and environment-friendly.

"We are producing bio-gas principally from cow dung in our plant in Birbhum district. The fuel is transported to Kolkata in tankers," said Jyoti Prakash Das, chairman and managing director of Phoenix India Research and Development Group, the company which is launching the service

The fuel will also increase the commercial life of the vehicle.

"A Union ministry notification states that commercial vehicles which are more than 15 years old and are already banned, can continue to ply on roads, if the owners switch the diesel-engines of the vehicles to bio-fuel engines. It means, all the 12 new biogas buses we are manufacturing can run on roads forever," said Das

## **SVAROP - Scientific Validation and Research on Panchgavya**

**National Brainstorming-cum-Consultative Workshop on  
Scientific Validation and Research on Panchgavya**

(SVAROP / स्वरूप)

Under the aegis of **Unnat Bharat Abhiyan**

SVAROP is a national programme initiated by The Department of Science and Technology (DST), Government of India. SVAROP is an acronym for Scientific Validation and Research on Panchgavya

The Indian Institute of Technology (IIT), Delhi, has received 50 proposals from different academic and research institutes to study the benefits of cow urine and milk under the SVAROP programme.

If the proposals receive their approval, participating scientists will study the capacity of indigenous cows to absorb hazardous chemicals and heavy metals into their flesh, work towards creating a chip that can tell between the A1 milk of foreign or cross-bred cows and the A2 milk of their indigenous counterparts – they are distinguished by the position of a single protein in the molecular chain – and standardise the process of making ghee. They will also explore ways to produce capsules of distilled cow urine for the treatment of dengue.

## **ZBSF – Zero Budget Spiritual Farming**



Subhash Palekar, a farmer from Madhya Pradesh, is advocating swadeshi form of '**spiritual agriculture**' with the dung and urine of desi cows only.

Shri. Palekar has been given a Padmashri in 2016 for his concept of "**Zero Budget Spiritual Farming**". He is training over 1200 farmers from MP in the new technique.

Palekar believes a farmer with 1 desi cow can cultivate 30 acres of land. Fertilizer made from cow dung and urine mixed with water and jiggery (known as Jeevamrut) works wonders.

His magic formula is, **10 Kg of desi cow dung + 5-10 litres of Goumutra + 200 litres of water + 1kg each of Jaggery and dicot flour.**

This mix is to be kept in shadow for 48 hours and then sprinkled over an acre of land once a month. A good yield is an obvious outcome of this technique, claims Palekar.

### **Native Cows = Great Health + Flourishing Economy**



Following are excerpts from some noted personalities depicting their experience with rearing native cow breeds and various physio-economic benefits associated with it.

**Arupathy P. Kalyanam**, general secretary of the Federation of Farmers' Associations of Cauvery Delta and a desi breed enthusiast  
*"We have quite a number of native breeds that are used for*

*milching. In Tamil Nadu, we have Umbalachery, Kangeyam, Bargur and Pulikulam varieties that have served the farming community well. But 'Operation Flood' came as a deluge and it sank all indigenous cow varieties as people and farmers preferred the exotic European varieties as they gave extremely better yield. We now realise that it is only our native varieties that can give healthy and nutritious milk and we feel that it is time the governments and the dairy farmers initiate concerted efforts to rear desi cow breeds"*

**R. Kannan** – Desi breed enthusiast. He courted arrest after staging the banned jallikkattu recently in his village Valivalam in Tiruvarur district.

*"Native cows withstand adverse climatic conditions and incur only minimal expenditure when it comes to maintenance or veterinary aspects. Their milk is healthy and the yard upkeep is easy as they drop little quantum of dung only due to reduced intake compared to Holstein or Jersey animals.*

*Economics also plays a huge part for me as rearing the Umbalachery breed as a pair of two-year-old bullocks could fetch up to Rs. 45,000 while similar jersey pair could get me only Rs. 20,000"*

## GOU-GYAAN - COW KNOWHOW



### HALLIKAR

Hallikar is a native breed of cattle that has originated from the former princely state of Vijayanagar, a part of Karnataka. This breed is predominantly found in Mysore, Mandya, Hassan, Bangalore, Kolar, Chitradurga and Tumkur districts of Karnataka.

Most of the current breeds found in South India have originated from the Hallikar, including the Amrit Mahal breed of cattle.

It is note-worthy that in the year 2000, the Government of India – Department of Posts commemorated the Hallikar breed of cattle by releasing a postage stamp in its name.

#### **Characteristics:**

- This breed is best known for its draught capacity and its trotting ability.
- The colour of this breed range from gray to dark gray with deep shadings on the fore and hind quarters. They also sport light gray markings on the face, dewlap and under the body. These animals are medium sized and muscular, and have prominent and seemingly bulging foreheads.
- Their bodies are long and compact with long and slender legs.
- Their faces are long and taper towards the muzzle, the colour of which ranges from grey to black.

- They have long, vertical and backward bending horns.
- The males have comparatively large humps.
- These animals have thin and moderately developed dewlaps.
- The tail is fine with a black switch reaching a little below the hocks.
- The adult males and females weight around 340 and 227 kgs respectively.
- The lactation milk yield averages to around 540 kgs and the fat content averages to about 5.7%.

## GoPals in news

**Go Green** is the default mantra of GoPals especially when it comes to terms of providing the nature for cows .At a time when tree cover is fast depleting at reserved forest near **Nagarhole** ,team GoPals planted more than **200 extinct saplings** of that area among which **99 percent are surviving** thanks to Thammiah Ji ,care taker of **Deshee Goushala**. When you truly take care of cows ,nature takes care of us .

Read a detailed report [here](#)



## Connecting with Nature

GoPals (Bengaluru North) and GoPals (Bengaluru South) conducted an event "Connecting with Nature" on 23-Mar-2018 at Raghavendra Gou Ashrama, Malur & .Gou-Seva at Akhila Karnataka Pranee Daya Sangh, Koramangala, Bengaluru respectively.

Dell EMC volunteers enthusiastically participated in the program. Following activities were carried out as part of this event,

- Jeevamrutha Preparation - Sandeep Ji from GoPals core team described and demonstrated in details the process of preparing Jeevamrutha, its benefits and importance
- Cleaning Gou Ashrama - Stables and sourroundings (weeds etc.)
- Gobar Gas plant visit and factory visit
- Know-how regarding products manufactured at site

For more information and photos of the event click [here](#)

*To keep yourself updated with Voice of Desi Cows- [Subscribe to our newsletter](#)*



[wegopals.com](http://wegopals.com)

