

Case Study of Community Livestock Volunteers in Veerapandipattinam Rural Panchayat, Thoothukudi District

SEVA in association with IFAD assisted Post Tsunami Sustainable Livelihood Project (PTSLP) implemented goat training project for women goat keepers in coastal area of Tamil Nadu. SEVA trained selected Self Help Group (SHG) members as Community Livestock volunteers (CLVs) in Thoothukudi and Tirunelveli districts (coastal region) during June-Sep. 2019. They have been trained in goat rearing and herbal preparations for treatment of animal disease for 10 days.

It has been observed that trained volunteers earn more than Rs. 3000 per month from Nov.2019 onwards by delivering animal health services that too using nature friendly herbal preparations.



Isakki is riding the scooty along with Sendu.



Goat growth measurement by CLVs

Smt. Isakki Thangam (aged 37, education 10th standard), Smt. Sendu (45 years, education 8th standard), Smt. Kalaivani (aged 33 years, education 12th standard) are living in Shanmugapuram, Veerapandipattinam Panchayat in Thiruchendur taluka are depend upon their livelihoods on goat rearing in addition to daily wages earned by their husbands as masonry worker or vendor. After the training programme the above 3 CLVs jointly procure the medicinal plants locally and spices & condiments and prepare three items :

1. *Herbal masala bolus* (for animal diarrhoea, tympany, immunity, FMD etc.)
2. *Mathan thailam* (for wound healing)
3. Herbal dewormer (for internal parasites)



CLVs prepared herbal masala bolus in their house



Distribution of herbal masala bolus

They devote Saturdays for procuring the medicinal plants and other ingredients. Preparation of *herbal masala bolus*, *mathan thailam* and herbal dewormer is attended on Sundays. Preparation of herbal masala bolus, mathan thailam and herbal dewormer is based on local knowledge of healers shown in annexure – 1. They start selling the preparations in 8 near by villages on Monday, Tuesday and Wednesdays. In their own villages they share the customers of 300 members among them and for outside villages they travel together by bus or foot or in a scooty owned by Mrs. Isakki (when the scooter is not used by her husband to attend as mason in nearby village).

They get good number of calls for distributing the medicine from the livestock keepers. The disease of animals viz. diarrhoea, wounds, calving problem, mastitis, coccidiosis in goats, dairy animals and poultry birds are treated by using their own preparations.

For example Smt. Ranjani and Smt. Amali in Adaikalapuram village told that their chicken in morbidity condition recovered quickly after feeding with herbal masala bolus. Mrs. Suyambukani a women SHG member in Shanmugapuram village is keeping 12 goats and she is a regular customer in administration herbal preparations by seeing their effectiveness. Similarly Mrs. Alis in Muthunagar village is owning 6 goats and 50 country chicken and she is regularly administering herbal masala bolus on monthly basis and their animals are healthy as she explained.

They are selling herbal masala bolus at Rs. 5 per bolus and they charge Rs. 5 or Rs.10 for application of mathan thailam for maggot wounds or herbal dewormer. They prepared about 2400 masala bolus in a month. Each CLV distributes about 600 bolus to their customers. For preparing 1 litre of *mathan thailam* the cost will be Rs. 150 and they get profit of Rs. 500 per litre. After meeting out the cost of herbal ingredients they earn Rs. 3000 per month per CLV.

Each CLV looks after 225-275 animals during their weekly visit to villages (Isakki looks after 225 goats, Sendu 275 goats and Kalaivanid 250 goats besides their own goats of 5,2,4 goats respectively). Now Mrs. Isakki is in need of motorised two wheeler / bike to reach out the customers. She is ready to repay the loan money if she is supported through micro credit.

Address :

Mrs. Isakku Thangam (9025544505), Sendu (9842502135), Kalaivani(9629818544)
Shanmugapuram,
Veerapandipattinam rural Panchayat
Thiruchendur taluka,
Thoothukudi district.

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Annexure - 1

1. Herbal masala bolus for all Digestive Problems:

This preparation is good for all digestive problems viz. anorexia, indigestion, off feed, absence of rumination, impaction etc.

Ingredients needed for 5 dairy animals / 10 sheep or goats are given below:

Milagu (Black pepper) 10 gm,
jeera (cumin) 10gm,
Kothamalli (coriander seeds) 20 gm,
fenugreek (methi) 20 gm,
Omam (Trachyspermum ammi) 10 gm,
Inji (ginger) 50 gm,
Manjal(turmeric) 50 gm (fresh),
Sotrukatralai (Aloe vera) 100 gm,
Seenthil (Tinospora cordifolia) stem and leaves 100 gm,
Vellapoondur (garlic) 50 gm,
Vathal (red pepper /chillies) 50 gm,
Vettilai(betel leaves) 10 number,
Karuveppilai(curry leaf) 100 gm,
Tulsi leaves 50 gm,
Avaram leaves and flowers (Cassia auriculata) 100gm,
Coconut (coconut)100 gm,
jaggery 100gm,
rock salt 50 gm,
Aappa soda (sodium bicarbonate) 100 gm.



Seenthil



Sotrukatralai



Avaram



Karuveppilai

First grind all dry items in a mixi viz. black pepper, jeera, coriander seeds, fenugreek, omam, red chillies).

Then grind all the fresh herbs viz. Aloe vera, curry leaf, garlic, tulsi, ginger, turmeric, coconut (grated), Seenthil and Avaram.

After that mix together both the above items. Now add jaggery (after making into small pieces), and rock salt, (sodium bicarbonate) and mix it thoroughly.

Dosage:

At the end make a bolus of 100 gm each (lemon fruit size) and administer orally. For young animals (calf, sheep or goat) give half the quantity or reduce the quantity according to the body weight of animals. It can be given monthly once preferably in empty stomach. For problematic cases continue the treatment for 2-3 days.

Herbal masala bolus will also give some relief for

Repeat breeding/reproductive problems,

Internal parasites,

Preventive medicine for

Foot and Mouth Disease, Blue Tongue, fever, Mastitis, Hemorrhagic septicemia.

2. Preparation of mathan thailam

Prepare special *thaila* (oil) and apply over the wound : Coconut oil 250 ml. and umathai ilai extract 250ml are taken together and boiled in a vessel till about one hour so as to get oily texture. Then put off the fire and add *mayil thutham* (copper sulphate) 2.5 gm and stir it well. Now this *thaila* can be stored in a bottle and used for all types of wounds including maggot wounds in animals.



Umathai ilai



mayil thutham

3. Preparation of herbal dewormer

Symptoms: Animals emaciated, thick body hairs, foul smelling stools with worms

Causes: Round worms, tape worms, hook worms infestation

Treatment:

Ingredients:

Leaves of *Nochi* (*Vitex negundo*),

Leaf petals of *sotrukatalai* (*Aloe vera*),

Neem seeds,

Leaves of *sangamkupi* (*Clerodendrum inerme*),

Leaves of *Erukku* (*Calotropis*)



Neem



Nochi



Sotrukatali



Erukku



Sangamkupi

They are to be taken at 1 kg each. All are to be ground well by sprinkling little water and filtered and 4 litres of herbal mixture can be obtained. Then 30 ml of the extract is taken and administered for one adult sheep or goat. For younger sheep or goat less than 3 months old 10 ml has to be administered orally. For adult cattle 100 ml has to be administered. This can be stored for more than one month.

The dewormer arrest loose motion and result in solid dung and it is free from obnoxious odor. It increases grazing efficiency of animals and they look healthy.