

Pastoralism in Odisha:A Sustainable Way of Producing Animal Protein from Minimum to Maximum for Many

By

Balaram Sahu

www.pathepathshala.org

Location of Odisha



Golla: Semi nomadic pastoralists keeping Ganjam goats in migratory systems



Keeper of Ganjam goat genes



Pastoralists practice sustainable use of Ganjam goats in Ganjam Tract



Golla Pastoralists Practice Bio-Diversity Conservation ,Carbon Return and maintain the local Eco-System



Protein Pots Reduce Protein Hunger



- *A 1.5 year old castrated male/female fetches Rs5000/ for meat*
- *Low external input based protein- Rs300/animal for vaccination etc*

Chilika Buffalo- Goes Into Chilika Lake At Night



Grazes On Brackish Biomass-Easily Converts into Milk and Dung



Giver Of Milk- *Medicinal Value*



Dung Economy-Manure ,fuel: Saves village forest, increases zoo-planktons in Chilika, increases fish production



Pig Pastoralism in Odisha- climate resilient and a boon for poor and dalits



Converts all organic wastes to protein



Most of the pigs in Odisha are native breeds like Pakhri and Ghantia - very good converter of organic wastes into pork



- **There are about 3,59,390 pigs in the state**

Best Converters of wastes, vegetations in wild to pork

All organic wastes,



Vegetations (Lily root)



Vegetations unused by other animals- good food for native pigs

“Mutha” roots (*Lipocarpa* sp.)



“Madaranga” spinach- (*Enydra* sp.)



Wild flowers and nuts

Forest flowers (*Madhuca* sp)



Wild fruits, seeds, nuts



By-products of fisheries in coastal areas



Pork Economy

- One sow gives 10-12 piglets annually
- 6 piglets survive in average
- One 1.5 year old pig weighing 30-35 kg fetches Rs 4.5000/
- One mother pig fetches Rs 20,000-25,000 annually
- There is annual production of 5000 metric ton pork from native in Odisha

Pig Pastoralism- Food security, reduction of protein hunger and adapting to climate change

- Low external input based**
- Disease resistant**
- Food granary**
- Bank account of poor farmers**
- Weapon to face crop failure due to climate change**

Pastoralism and Policy

- Reduction in grazing land due to mining
- Reduce in forest area
- Incentive to youth to continue pastoralism
- Recognize as an adaptive measure to climate change

Conclusion

- **Pastoralism for food security**
- **Adaptation to climate change**
- **Reduction of protein hunger**
- **Employment generation**

Thank you!

