

Our Heartiest Congratulations to the Renowned Daily 'The Daily Star' For Its Courageous Journey and Its Achievement on Their 31st Anniversary

Multimode



Lal Teer Livestock Development Limited (LTLD) is the first Bangladeshi private sector company in Bangladesh which has undertaken the genetic science based systematic breeding activities through research and development (R&D) to improve local Cattle and Buffaloes. The company has been established in 2010. From the very inception LTLD has been working to improve local cattle and buffaloes, as well as improvement of animal feed including fodder; animal health; tolerance and resistant to biotic – abiotic stress arising due to climate change; management technique in terms of health and nutrition management to assist smallholder farmers including women and contract farmers. Our R&D station include; genetic farm for breeding; fodder bank; bull and semen extraction station and semen processing laboratory. The bull station is licensed by the government (Reg. No. 2) which include semen extraction, processing and storage. The genetic farm, bull station, semen extraction is ISO 9001:2015 certified.

Water Buffalo (*Bubalus bubalis*) is one of the most important animal resources for milk and meat production in South Asia. Unfortunately, no visible effort has been made to improve the buffalo breeds for increasing the meat and milk productivity, suitable to Bangladesh climate. In India (70%) and Pakistan (68%), share of their milk production comes from buffalo. Bangladesh is lagging far behind on this. Keeping this in mind, LTLD has been working diligently to bring such an important resource (buffalo) in the mainstream of milk and meat production from 2010.

Our Genomic R & D includes sequencing, bioinformatics analysis to identify the clear concept on Gene Expression mechanism and regulation

factors. This knowledge is important to understand the gene expression pathway of any particular gene and possible way of interruption. LTLD is dedicated to improve the productivity of the local buffalo. As a part of special emphasis, we have completed the genome sequencing of water buffalo in collaboration with BGI, China. We hope work will be proven to be a milestone for improving the productivity. In relation to this, a research article has been published in the reputed international journal "Ecology and Evolution", volume 6, 2019.

LTLD is currently engaged in the breed development, bull development, semen extraction, processing, storage, packaging, marketing and distribution of semen (Cattle & Buffalo) in line with the dairy development program of the Government of Bangladesh. As of December 2021, the company trained about 1400 unemployed youth as an Artificial Insemination Technician who are now working in rural areas with smallholder farmers to increase the milk and meat production. The company established itself as a truly integrated breeding company. Scientists in LTLD is continually engaged in R & D work to improve Cattle & Buffalo breed adoptable in the sub-tropical climate. Our vision and mission is to increase the milk and meat production in the country through small-holder farmers of rural Bangladesh and to improve their financial outcome and livelihood improvement. Simultaneously improving the overall rural farming sector and enhance the food and nutrition security. This will be helpful to achieve at least 8 sustainable Development Goals adopted by U.N.



Semen Straw Used (2015–2021) and Trained AISP trend



Buffalo genome sequencing (1st time in the world) with BGI, China



Prosperous Progeny of Lal Teer Livestock



LAL TEER LIVESTOCK DEVELOPMENT (BD) LIMITED
First Research & Development Based Livestock Company in Bangladesh



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