Successful Birth of a Male Calf through Embryo Transfer at ICAR Research Complex for NEH Region, Umiam, Meghalaya

Successful birth of a male calf through non-surgical embryo transfer technology has taken place for the first time at Dairy Unit, Animal Nutrition Section, ICAR Research Complex for NEH Region, Umiam, Meghalaya. Here the elite female crossbred cow (donor) was super ovulated using FSH-P (400mg) in decreasing divided doses and inseminated with elite bull semen and 04 embryos (two excellent quality blastocysts, one average quality morulla and one poor quality morulla) were collected on day-7 post artificial insemination. From, these 03 embryos were transferred non- surgically to 03 synchronized recipients under epidural anaesthesia. One recipient cow conceived and gave birth to a male calf weighing 23 kg on 17th October, 2015. The calf as well as the cow are healthy and sound. The encouraging result reaffirms our belief that the use of this technology will be helpful for faster multiplication and propagation of elite cattle germplasm and production of superior males to disseminate the elite germplasm at a faster rate particularly in NE Region to boost the milk production.

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Fig: ETT born calf with his mother on day of calving