

## Programme/Projects

- a. AICRP:** Improvement of feed resources and nutrient utilization in raising animal production:

An experiment was conducted at Mandala (10,000 ft. above msl) of West Kameng District of Arunachal Pradesh on feeding complete feed blocks (CFB) with area specific mineral mixture revealed that CFB fed calves gained body weight 347 – 422 g per day during winter scarcity ( December to March) period.

- b. ICAR-Network Project:**

1. Amelioration of temperate/alpine pastures for livelihood support to pastoral communities:

NRC on Yak in collaboration with IGFRI, Jhansi and Department of Vety. & AH, Arunachal Pradesh and Sikkim successfully growing some fodders useful for the yaks.

2. Veterinary type culture-rumen microbes:

Yak rumen liquor and faecal samples were collected occasionally from NRC yak farm for identification and characterization of rumen microbes with the help of CAFT, Animal Nutrition, IVRI. Already 49 fibre degrading bacteria were identified from the faecal sample of yak.

- c. ICAR-WB-NAIP Project:** Nil

- d. National Fund for Basic & Strategic Research :** Nil

- e. DBT sponsored project :** A collaborative project entitled "Conservation and multiplication of germ plasm of yak (*Poephagus grunniens L*) and its hybrid using *in-vitro* embryo production techniques" is in operation since March 2009. Yak and yak hybrid embryos could be produced through IVF up to the stage of morula and blastocysts, respectively, and have been cryopreserved using vitrification method.