

**ICAR-NATIONAL BUREAU OF ANIMAL GENETIC RESOURCES
KARNAL-132001 (HARYANA)**

BREED DESCRIPTOR for REGISTRATION

Species: CATTLE/BUFFALO

I. GENERAL DESCRIPTION

1. Name of the breed
2. Synonymes
3. Background for such a name
4. Since when the breed is known
5. Strains (or within breed types)
6. Most closely related breeds
(in appearance)
7. a. Native tract of distribution in terms of longitude and latitude
b. Approximate area of distribution
c. Place(s) State District(s)

8. Estimated population
 - a. Year of estimation
 - b. Population
 - c. Source / Reference
9. a. Communities responsible for developing the breed
b. Description of community
(Farmers/nomads/isolated/tribals)
10. Herd Book / Register established (Yes / No)
11. Herd: Average size ÷
Composition: Breeding females ÷ . % Replacement females (1-3yrs) ÷ . % Calves ÷ . %
Breeding bulls ÷ . % Replacement males (1-3yrs) ÷ . % Bullocks ÷ . %
11. Utility of the breed
(Milk/meat/draught/manure/other specify)
13. Basic temperament of the breed (docile/ moderate/ tractable/ wild)
14. Any other information

II. PHYSICAL CHARACTERS

- | | | |
|---|------|--------|
| 1. Colour | Male | Female |
| a. Coat colour | | |
| b. Muzzle | | |
| c. Eyelids | | |
| d. Tail Switch | | |
| e. Hooves | | |
| 2. Horns | Male | Female |
| a. Colour | | |
| b. Size | | |
| c. Shape (Straight/curved) | | |
| d. Orientation | | |
| 3. Ears | | |
| a. Length | | |
| b. Orientation (horizontal/drooping) | | |
| 4. Head | | |
| a. Forehead (Convex/concave/straight) | | |
| b. General description | | |
| 5. Body | Male | Female |
| a. Hump (large/medium/small) | | |
| b. Dewlap (large/medium/small) | | |
| c. Naval flap (large/medium/small) | | |
| d. Penis sheath flap (large/medium/small) | | |
| 6. Udder | | |
| a. Shape (bowl/round/trough/pendulous) | | |
| b. Udder size (large/medium/small) | | |
| c. Teat shape (cylindrical/funnel/pear) | | |
| d. Teat tip (pointed/round/flap) | | |
| e. Milk vein (prominent/ not prominent) | | |
| 7. Any other information | | |

III. PERFORMANCE

- Body Weight (Kg)

Parameter	Male			Female		
	Average	Range	N	Average	Range	N
Birth Wt.						
Pre-Weaning Wt.						
12 months Wt.						

24 months Wt.						
Weight at First calving						
Adult weight						

2. Body measurements (cm)

Parameter	Male			Female		
	Average	Range	N	Average	Range	N
Chest girth						
Body length						
Height at withers						

3. Dairy performance

Parameter	First Lactation			Overall		
	Average	Range	N	Average	Range	N
Daily milk yield (kg)						
Peak milk yield (kg)						
Lactation length (days)						
Lactation milk yield (kg)						
Fat %						
SNF %						

4. Reproduction

Average

Range

N

a. Males

- (i) Age at first ejaculation (months)
- (ii) Age at first mating (months)

b. Females

- (i) Age at first oestrus (months)
- (ii) Oestrous cycle duration (days)
- (iii) Oestrus duration (hrs)
- (iv) Age at first mating (months)
- (v) Age at first calving (months)
- (vi) Service period (days)
- (vii) Calving interval (days)

5. Draught performance

a. Purpose (ploughing, threshing, power etc.)

b. Physiological parameters

Before work

After work

Rectal temperature (°F)

Respiration rate /min

Pulse rate /min

c. Fatigue Score

Frothing

Leg in-coordination

Excitement

Inhibition of progressive movement

Tongue protrusion

- d. Draught Power (HP)
 - e. Average duration of work per day (hrs)
6. Drought tolerance (Excellent/ Very Good/ Good/ Average/ Low)
 7. Heat tolerance (Excellent/ Very Good/ Good/ Average/ Low)
 8. Any other information specific to the breed