No. of the No. of the No. of the serum samples screened block in epi-unit in

48

59

60

60

59

59

345

724

758

655

682

723

621

4163

each state each state

43

24

25

18

41

25

176

Assam

Manipur

Meghalaya

Mizoram

**Nagaland** 

Tripura

Total

**Table 1.** Serum samples screened for each state and prevalence of PPR antibodies in small ruminants in the NER of India.

Sheep Goats

464

626

655

642

647

621

3655

260

132

\_

40

76

\_

508

No. of the samples

positive in ELISA

138

13

-

0

\_

158

Total

248

78

31

107

106

34

604

Chi square value: Goats ( $\chi^2 = 137.3$ , p < 0.01); States ( $\chi^2 = 330.6$ , p < 0.01)

Sheep Goats

110

65

31

107

99

34

446

**Total** 

34.25 (31-38)

10.29 (8-13)

4.73 (3-7)

15.69 (13-19)

14.66 (12-18)

5.48 (6-10)

Seroprevalence %

status in epi-units

(No.)

< 30 30-70 > 70

12

4 0

41

8

12

28 12

55

56

47

51

55

Prevalence of PPR virus antibodies

(CI - Value at 95%)

Sheep

53.08 (47-59)

9.85 (6-16)

0(0-9)

9.21 (5-18)

14.51 (13-16) 31.10 (27-35) 12.2 (11-13) 292

Goats

23.71 (20-28)

10.38 (8-13)

4.73 (3-7)

16.67 (14-20)

15.3 (13-18)

5.48 (6-10)