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Jonauskas, Rimgaudas & Liparte, Evija, 2000. The Analysis on the Weights of the wilder Great One-horned Rhinoceroses (*Rhinoceros unicornis*) in India and Nepal compared to Great One-horned Rhinoceroses at the Zoological Gardens in Europe. From internet, Feb 2001, copyright at end shows 2000

**The Analysis on the Weights of the wilder Great One-horned Rhinoceroses (*Rhinoceros unicornis*) in India and Nepal compared to Great One-horned Rhinoceroses at the Zoological Gardens in Europe**

Rimgaudas Jonauskas & Evija Liparte

In 1997 - 1998 16 Great One-horned Rhinoceroses (*Rhinoceros unicornis*) had been researched at the Zoological Gardens in Europe. Three of these animals have also been weighed:

♂? "Yohda" (Zoo Berlin) - 2666 kg, shoulder height 1,86 m

♂? "Belur" (Tierpark Berlin Friedrichsfelde) - 2200 kg, shoulder height 1,64 m

♀? "Chansi" (Tierpark Berlin Friedrichsfelde) - 2300 kg, shoulder height 1,60 m

In 1998 - 1999 the wild Great One-horned Rhinoceroses (*Rhinoceros unicornis*) in Kaziranga NP (India) were studied. According to the sizes and weights, we divided these animals into 4 weight categories:

small adult Rhinoceroses, 1800 - 2500 kg

According the size, they are like the rhinoceroses at the Zoological Gardens (excepting "Yohda")

Rhinoceroses of middle weight, between 2500 and 2800 kg

These animals have the same large as "Yohda"

big Rhinoceroses, 2800 - 3200 kg

The stomach of such animals is about 20 - 40 % bigger (more heavy) than the stomach of "Yohda" two very big Rhinoceroses (in District Baguri), between 3200 and 3500 kg  
According the size, they are like the small adult elephants

In February 2000 we observed about 60 Great One-horned Rhinoceroses (*Rhinoceros unicornis*) in the Chitwan NP (Nepal). These animals are smaller than the big Rhinoceroses in Kaziranga NP. About 90% of the Rhinoceroses which we have observing in Chitwan NP (District Gaida) have the same size as the Rhinoceroses at the Zoological Gardens. The adult animals have the weight of 1800 - 2500 kg. A few very big Rhinoceros males and females may weigh between 2600 and 2900 kg.

The biggest dominant Rhinoceros male has a 20 - 25 % bigger (more heavy) stomach than "Yohda" and has a weight between 2800 and 2900 kg.

Another dominant Rhinoceros male has a 15 - 20 % bigger (more heavy) stomach than "Yohda" and has a weight between 2700 and 2800 kg.

The Phanits of District Gaida said that maybe 2 other big dominant Rhinoceros males are in other Districts of the Chitwan NP ( 1 in District Tiger Tops and 1 somewhat smaller in District Iria).

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Please send your comments and information about the weights and numbers of Rhinoceroses to the following address: [liparte@mail.uni-greifswald.de](mailto:liparte@mail.uni-greifswald.de)

This page was created on 03.16.2000