

## Pollution Control Appreciation Award – 2003

S.K. Sinha, IFS



Nandankanan Zoological Park

I would like to inform that Nandankanan Zoological Park has been awarded "Pollution Control Appreciation Award – 2003" in appreciation for implementing effective pollution control measures and adopting good environment management practices and constant efforts being put for further protection of the environment. This state level award is instituted by the State Pollution Control Board, Orissa and consists of a trophy/shield and a Certificate. The award was received on 3<sup>rd</sup> December, 2003 by Sri. S.K. Sinha, Director, Nandankanan Zoological Park from the Hon'ble Minister, Energy, Science, Technology & Environment, Sri Surjya Narayan Patro in a specially organized ceremonial function of State Pollution Control Board, Orissa.

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## Book Review: Zoo Animal Nutrition – Tables and Guidelines

Walter L. Jansen & Joeke Nijboer (eds) European Zoo Nutrition Centre, P. O. Box 20164, NL-1000HD Amsterdam, The Netherlands. 2003. 120 pp. €8,95.

The book under review gives a comprehensive account of feeding guidelines, nutritional analysis, energy, feed quality, animal mass and metabolic rates, blood values, recommendations, food stuff analysis, producing a pellet, how to calculate diet?, commercial advertisement, translation and abbreviations, address of manufactures and links and literature.

The first and second chapter gives an appraisal on feeding guidelines. It describes Weende and Van Soests analysis conducted for nutritional analysis. Third chapter discusses how determining the dietary metabolizable energy. The forth chapter describes feed quality. In chapter five animal mass and metabolic rates of selected mammals, few birds and reptiles in general are provided. The list for birds and reptiles should have included more of animals from the Indian subcontinent. The sixth chapter describes blood values (He, Ca, P, Na, K, Cl, Fe, Mg, Cr, UA, GL, Ch, TR) for 184 mammalian species and 18 of bird species. The list of mammalian species includes most of the common mammalian species found in Indian subcontinent. The seventh chapter describes recommendations part of the booklet, recommended diet for various mammals, birds, reptiles and fish. The food given at various zoos for mammals, birds and reptiles has been analyzed in terms of their diet value, in particular the amount of nutrients like CP, CF, NDF, Ca, P, Mg, Cu, Zn, Fe, Vitamin A, Vitamin D, Vitamin E in animal diets to be provided is presented in eighth chapter. The ninth chapter describes the process of producing a pellet. In the tenth chapter describes how to calculate a diet. Example for the nutritional evaluation has been given. Similar evaluation can be made for the other animals. The eleventh chapter is a compendium of food products and commercial advertisements. The twelfth chapter describes translation and abbreviations. The thirteenth chapter describes useful addresses of feed manufacturers and web address of organizations working on animal nutrition. The literature review has been described in fourteenth chapter which is necessary to set-up a well balanced diet. The European Zoo Nutrition Centre deserves the credit for making beautiful print and paper quality. I would recommend it to the Zoos, Rescue and Rehabilitation Centres, Feed Manufacturers and Researchers working in the field of animal nutrition.

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