

Research in Vedic Mathematics

1575. KUMARI UMABHARTI: Will the Minister of HUMAN RESOURCE DEVELOPMENT be pleased to state the research made in Vedic Mathematics so far?

THE MINISTER OF HUMAN RESOURCE DEVELOPMENT (SHRI ARJUN SINGH): The following research works have so far been made in Vedic Mathematics:—

- (1) Dr. T. S. Bhanumurthy, Former Director of Ramanujam Institute of Mathematics, Madras has given proofs of Sutras provided in Vedic Mathematics by Shri Bharathi Krishna Tirthaji.
- (2) The National Institute of Science Technology & Developmental Studies (NISITAD) has found that in some case operations of multiplication/division on computer by methods of Vedic Mathematics are faster.
- (3) Rashtriya Veda Vidya Pratishthan, which is an autonomous body under the Ministry of Human Resource Development, has commissioned the writing of a book on Vedic Mathematics, which can be utilised by engineers.
- (4) Two monographs have also been commissioned by Rashtriya Veda Vidya Pratishthan on selected sutras which can be utilised by Mathematicians and Scholars.

Protection of Pichavaram Forest

1576. DR. P. VALLAL PERUMAN: Will the Minister of ENVIRONMENT AND FORESTS be pleased to state:

(a) whether the Union Government propose to launch a scheme to protect and beautify the Pichavaram Forests known for its botanical importance in South Arcot district of Tamil Nadu;

(b) if so, the details thereof;

(c) whether the Union Government propose to sanction funds to the State for the purpose; and

(d) whether the Government also propose to publish a brochure containing details of the rare-trees and plants available in this forest?

THE MINISTER OF STATE OF THE MINISTRY OF ENVIRONMENT AND FORESTS (SHRI KAMAL NATH): (a) to (c) During 1988-89, the Union Government has sanctioned an amount of Rs. 2.87 lakhs to the State Government for a scheme to undertake environmental protection, education and recreational activities in the mangrove areas of Pichavaram forests.

(d) There is no proposal to publish a brochure containing details of rare trees and plants in this forest. However, these are enlisted in the Red Data Books brought out by the Botanical Survey of India which deal with the rare, threatened and endangered plants in different parts of the country.

Manuscripts of Rabindra Nath Tagore to Vishwa Bharati University

1577. SHRI RAJENDRA KUMAR SHARMA: Will the Minister of HUMAN RESOURCE DEVELOPMENT be pleased to state:

(a) whether the Government have received any memorandum that all manuscripts of the works of poet Rabindra Nath Tagore, which were recently traced in London be handed over to Vishwa Bharati University; and

(b) if so, the steps taken by the Government in this regard?

THE MINISTER OF HUMAN RESOURCE DEVELOPMENT (SHRI ARJUN SINGH): (a) and (b) The Indian High Commission in U.K. has acquired some rare manuscripts of Rabindra Nath Tagore at a cost of £ 27,020.00 at an auction held in London on 26-6-91. Vice-Chancellor, Visva-Bharati has requested that these

manuscripts be handed over to the University for preservation at the Rabindra Bhavan. The manuscripts will be kept in an appropriate institution to be identified by the Government of West Bengal.

[Translation]

Allocation to U.P. and M.P. for Promotion of Literacy

1578. SHRI PRABHU DAYAL KATHERIA:

SHRIMATI SUMITRA MAHAJAN:

SHRI VIRENDRA SINGH:

Will the Minister of HUMAN RESOURCE DEVELOPMENT be pleased to state:

(a) the funds provided by the Union Government to the State Governments of Uttar Pradesh and Madhya Pradesh Government during 1989-90 and 1990-91 respectively for promotion of literacy under various schemes;

(b) the growth rate of literacy in both States separately in the said years and how it compares with that of other States;

(c) the percentage of literate persons in these States and that of females therein; and

(d) the steps taken by the Union Government during the last two years for promotion of literacy in the said

States and the steps proposed to be taken in this regard during 1991-92?

THE MINISTER OF HUMAN RESOURCE DEVELOPMENT (SHRI ARJUN SINGH): (a) A statement indicating scheme-wise details of Central assistance for promotion of Literacy under Universalisation of Elementary Education, Non-formal Education and Adult Education to the State Governments of Uttar Pradesh and Madhya Pradesh during 1989-90 and 1990-91 is attached.

(b) The rate of growth of literacy in a particular State/U.T. is adjudged on the basis of the decennial Census figures. The average per annum rate of growth of literacy in U.P. and M.P. during the last decade works out to be 0.84% and 0.92%. In terms of comparative position, the State of U.P. and M.P. rank 27th and 26th position respectively.

(c) Literacy rate in U.P. and M.P. as per 1990-91 Census are 41.71% and 43.45% respectively. The female literacy rate in the two States are 26.02% and 28.39%.

(d) Universalisation of Elementary Education, programme on Non-Formal Education in educationally backward States and the National Literacy Mission which aims at imparting functional literacy to 80.00 million adult illiterates in the age-group of 15-35 form part of a large programme for eradication of illiteracy in the country.

STATEMENT

(Rs. in lakhs)

Scheme	1989-90		1990-91	
	U.P.	M.P.	U.P.	M.P.
(a) Universalisation of Elementary Education (Operation Black Board)	2757.26	..	860.94	1344.78
(b) Non-Formal Education	485.30	613.32	925.47	781.95
(c) Adult Education	815.82	670.60	900.44	543.97
	4058.38	1283.92	2686.85	2670.70