

**GOVERNMENT OF INDIA
AGRICULTURE
LOK SABHA**

UNSTARRED QUESTION NO:5263
ANSWERED ON:28.04.2003
INDIA'S CONTRIBUTION IN GENOME MAPPING OF RICE
S. MURUGESAN

Will the Minister of AGRICULTURE be pleased to state:

- (a) whether India is contributing in the phase II of the international project to map the entire genome sequence of a rice variety;
- (b) if so, the total India's contribution therein,
- (c) the total amount allocation by the Planning Commission for this project; and
- (d) the time by when the phase III of the project is likely to begin?

Answer

THE MINISTER OF STATE IN THE MINISTRY OF AGRICULTURE (SHRI HUKUMDEO NARAYAN YADAV)

(a) Yes, Sir. India is participating in the International Rice Genome Sequencing Project (IRGSP) through the Indian Initiative for Rice Genome Sequencing (IIRGS). The project started as a five year duration project in June 2000 at the National Research Centre for Plant Biotechnology, Indian Agricultural Research Institute, New Delhi and University of Delhi, South Campus, New Delhi. India contributed in sequencing from the rice chromosome 11.

(b) India has contributed high quality phase II level sequence of fifteen million base pairs of deoxyribose nucleic acid (DNA) sequence against the assigned target of ten million base pairs from the rice chromosome 11. This amounts to just over 3% of the total rice genome, which is estimated to be about 400 million base pairs.

(c) The total amount of funds allocated by the Planning Commission for this joint Indian Council of Agricultural Research (ICAR) - Department of Biotechnology (DBT) project is Rs-4883 Lakhs for a period of five years between 2000-2005.

(d) The phase III (final finished sequence) is continuing.