

(b) and (c). Does not arise.

Voluntary Agencies Associated with Redressal of Public Grievances

3933. SHRI PARASRAM BHARDWAJ: Will the PRIME MINISTER be pleased to state:

(a) whether any scheme has been drawn up under which voluntary agencies will be associated with redressal of public grievances requiring immediate attention in the interest of improving the quality of administration; and

(b) if so, the details thereof?

THE PRIME MINISTER (SHRI VISHWANATH PRATAP SINGH): (a) and (b). The idea of involving voluntary agencies in redressal of public grievances and carrying out administrative reforms is being given shape to in several Ministries/Departments. Ministries/Departments, the work of which involves interaction with members of the public or identified target groups, like Ministry of Environment and Forests, Ministry of Health and Family Welfare, Ministry of Welfare, Department of Pension and Pensioners' Welfare, Department of Rural Development, Department of Youth Affairs and Sports have already associated a number of voluntary organisations in various fields of their work.

Commercial Production of Biotech Products

3934. SHRI DILIP SINGH JUDEO: Will the PRIME MINISTER be pleased to state.

(a) the details of the biotech products which can be commercially produced by 1995;

(b) the capital expenditure envisaged for each such product;

(c) the names of Indian agencies/institutes which are currently involved and the present status of commercialisation and anticipated dates of commercialisation for each products; and

(d) whether any foreign agency has been or is being proposed to be involved in this venture?

THE MINISTER OF STATE IN THE MINISTRY OF SCIENCE AND TECHNOLOGY AND MINISTER OF STATE IN THE DEPARTMENT OF EDUCATION IN THE MINISTRY OF HUMAN RESOURCE DEVELOPMENT (PROF. M.G.K. MENON): (a) The biotech products which can be commercially produced in India by 1995 would include the following:—

1. *Human and Animal Health Care Products*

- Vaccines.
- Diagnostics.
- Blood Products.
- Bioactive Therapeutic Molecules.
- Animal Birth Control Injection.

2. *Agriculture*

- Hybrid High Yielding Seeds.
- Tissue Culture Raised Plant Materials.
- Biopesticides.
- Biofertilizers.
- Fresh and frozen embryos of elite cattle and buffaloes for improving milk production and

draught efficiency through embryo transfer technology.

3. *Products and Processes by Use of Microorganisms*

- Industrial enzymes, proteins, carbohydrates, fats and oils and plant growth hormones.
- Industrial chemicals like ethyl alcohol, butyl alcohol, glycerol, acetic acid and amino acids like lysine and methionine.

4. *Miscellaneous items*

- Oligonucleotides.

— Restriction enzymes.

— Modified polymers.

(b) Biotechnology based manufacturing is generally expected not to be very capital intensive. The capital expenditure for each group of products would vary considerably depending upon the specific products contemplated to be manufactured.

(c) Several institutes are involved in these projects. The following would indicate the major institutes involved in research/implementation of various groups of products.

Sl. No.	Groups of Products	Institutes/agencies involved
1	2	3
1.	HUMAN AND ANIMAL HEALTH CARE PRODUCTS	
	— Vaccines	<p>Indian Vaccines Corpn. Ltd., Gurgaon.</p> <p>Bharat Immunologicals and Biologicals Corpn. Ltd., Bulandshahr.</p> <p>Central Research Institute, Kasauli.</p> <p>Indian Immunologicals Ltd., Hyderabad.</p> <p>National Institute of Immunology, Delhi.</p> <p>Indian Veterinary Research Institute, Izzatnagar.</p> <p>Central Drug Research Institute, Lucknow.</p>
	— Diagnostics	<p>National Institute of Immunology, Delhi.</p> <p>All India Institute of Medical Sciences, Delhi.</p> <p>Central Drug Research Institute, Lucknow.</p> <p>Post Graduate Institute of Medical Sciences, Chandigarh.</p>

Sl. No.	Groups of Products	Institutes/agencies involved
1	2	3
	— Blood Products	Institute of Research in Reproduction, Bombay.
	— Bioactive Therapeutic Molecules	Mahatma Gandhi Institute of Medical Sciences, Wardha.
		KEM Hospital, Bombay.
		Institute of Microbial Technology, Chandigarh.
		Central Drug Research Institute, Lucknow.
		National Chemical Laboratories, Pune
		National Institute of Immunology, Delhi
	— Animal Birth Control injection	National Institute of Immunology, Delhi.
2.	AGRICULTURE	
	— Tissue Culture raised plantlets	Karnataka Antibiotics and Pharmaceuticals Limited, Bangalore
		National Chemical Laboratories, Pune.
		Tata Energy Research Institute, Delhi.

<i>Sl. No.</i>	<i>Groups of Products</i>	<i>Institutes/agencies involved</i>
1	2	3
	— Biopesticides	Delhi University, Delhi. Anna University, Madras. Madurai Kamraj University, Madurai. Central Drug Research Institute, Lucknow. Bhabha Atomic Research Institute, Bombay Tamil Nadu Agriculture Research University, Coimbatore. Indian Agricultural Research Institute, Delhi. Tamil Nadu Agriculture University, Coimbatore.
	— Biofertilizers	Haryana Agriculture University, Hisar. G.B. Pant Agriculture University, Pantnagar.
	— Frozen embryos of cattle and buffaloes for embryo transfer technology.	National Dairy Development Board, Anand National Dairy Research Institute, Karnal.

<i>Sl. No.</i>	<i>Groups of Products</i>	<i>Institutes/agencies involved</i>
1	2	3
3.	<i>PRODUCTS AND PROCESSES BY USE OF MICROORGANISMS</i> — Industrial enzymes, proteins, carbohydrates, fats and oils and plant growth hormones	National Institute of Immunology, Delhi. Indian Veterinary Research Institute, Izzatnagar. Central Frozen Semen Production and Training Institute, Bangalore.
4.	<i>MISCELLANEOUS ITEMS</i> — Oligonucleotides, restriction enzymes, gels and modified polymers.	Centre for Biochemicals, Delhi. Bose Institute, Calcutta Central Food Technological Research Institute, Mysore. National Chemical Laboratories, Pune. Centre for Biochemicals, Delhi. Indian Institute of Sciences, Bangalore Centre for Cellular and Molecular Biology, Hyderabad.

(d) While several of the products referred to have been developed indigenously, M/s Indian Vaccines Corporation Ltd., Gurgaon, which is being setup presently for the production of tissue culture based viral vaccines such as Polio, Measles and Rabies has the French Vaccine Unit M/s Institute Marieux as a joint venture partner.

Paper to States at Concessional Rates

3935. SHRI BHAJAMAN BEHERA: Will the PRIME MINISTER be pleased to state:

(a) whether the Orissa Government has requested the Union Government for the quota of paper for books and note books at concessional rate; and

(b) if so, the action taken thereon?

THE MINISTER OF STATE IN THE MINISTRY OF SCIENCE AND TECHNOLOGY AND MINISTER OF STATE IN THE DEPARTMENT OF EDUCATION IN THE MINISTRY OF HUMAN RESOURCE DEVELOPMENT (PROF. M.G.K. MENON): (a) Yes, Sir.

(b) Under the subsidy scheme, concessional white printing paper is allotted to the States/Union Territories, including Orissa, for the printing of schools text books, exercise books and examination answer sheets. For the year 1989-90, 2148 MTs. of paper was allotted out of which 338.1456 MTs. were supplied to the Government of Orissa.

[*Translation*]

Examination Centre at Patna

3936. SHRI RAMESHWAR PRASAD:

Will the PRIME MINISTER be pleased to state:

(a) whether Government propose to make Patna a examination centre for all examinations for recruitments in Government services and Public Sector Undertakings; and

(b) if so, when and the details thereof?

THE PRIME MINISTER (SHRI VISHWANATH PRATAP SINGH): (a) and (b). Patna is already an examination centre for the various all India examinations conducted by the Union Public Service Commission and the Staff Selection Commission.

In the Public Sector Undertakings only Board level appointments to senior level posts are made by the Government. No examination is held for such appointments. Recruitment to other posts below the Board level is made by individual public sector undertakings under their own arrangements.

[*English*]

Annual Plan Outlay for Kerala for 1990-91

3937. SHRI T. BASHEER: Will the PRIME MINISTER be pleased to state the total annual plan outlay for Kerala for 1990-91 with sector-wise break up?

THE PRIME MINISTER (SHRI VISHWANATH PRATAP SINGH): The total agreed Annual Plan outlay for Kerala for 1990-91 is Rs. 635 crores with sector-wise break-up as shown in the attached statement.