

icipation in the International Indian Ocean Expedition. The programme covers all the major disciplines in modern Oceanography. During the year 1963-64, INS KISTNA and RV VARUNA carried out a number of cruises covering a large number of sections in the Arabian Sea, Indian Ocean (North of equator) and Bay of Bengal including Andaman Sea. So far 175 scientists have participated in these cruises and carried out investigations in various disciplines, including physical, biological, Marine geology and geophysics.

(b) It has not been possible to augment the strength of the research vessels.

#### International Indian Ocean Expedition

**829. Maharajkumar Vijaya Ananda:** Will the Minister of Education be pleased to state:

(a) the result of the survey conducted by the International Indian Ocean Expedition in the Bay of Bengal, the Arabian Sea and the northern part of the Indian Ocean;

(b) whether the data so far collected have been utilised for any utilitarian purposes;

(c) if so, the details thereof; and

(d) the financial contribution, if any, made by India to the International Organisation for this research work?

**The Minister of Education (Shri M. C. Chagla):** (a) Scientific results of a technical nature have revealed information on the Physics, Chemistry, Biology and the configuration of the Ocean and the continental shelves of Bay of Bengal and Arabian Sea, and basic data relating to the formation of monsoon has been collected.

(b) It is too early to attempt application of the results for utilitarian purposes.

(c) Does not arise.

(d) No financial contribution has been made to the International Or-

ganisation, but responsibility has been taken for developing the Meteorological Centre at Bombay and the Biological Centre at Ernakulam for the receipt and interpretation of data and material collected during the Expedition.

#### Indian Scientists

**830. Shri Y. S. Chaudhary:** Will the Minister of Home Affairs be pleased to state:

(a) a broad outline of the ten-point programme formulated by Government to curb the migration of Indian scientists abroad; and

(b) the success achieved so far in implementing the same?

**The Deputy Minister in the Ministry of Home Affairs (Shri L. N. Mishra):** (a) and (b). There is no ten-point programme as such. Government have however taken various steps to encourage Indian scientists and technologists to return to India. A statement outlining the steps taken is laid on the Table of the House. [Placed in Library. See No. LT-3521/64].

#### Resettlement of Migrants

**831.** { **Shri Hukam Chand**  
**Kachhavalaya:**  
**Shrimati Minimata:**  
**Shri Uikey:**  
**Shri Chandak:**  
**Shri Vidya Charan Shukla:**

Will the Minister of Rehabilitation be pleased to state:

(a) whether the Government of Madhya Pradesh have suggested resettlement of new migrants in the works connected with the construction of Hydro-Electric Project in the Chit-rakot in Indravati Basin; and

(b) if so, the number of families so far resettled?

**The Minister of Rehabilitation (Shri Tyagi):** (a) and (b). The Government of Madhya Pradesh proposed that the

work on the Chitrakut Hydro-Electric Project should be started, and accelerated assistance outside the plan sanctioned for the purpose with a view to provide employment to migrants in connection therewith. Accordingly, examination of the Project has been taken up and a team of experts including representatives of the Governments of Madhya Pradesh and Orissa has been set up to make a rapid appraisal of various alternative schemes for the utilisation of the Indravati and Sabri Basins. The report of the team is awaited. Action for the commencement of the work and employment of new migrants in connection therewith will be taken on receipt of the report.

#### National Laboratories

832. { Shri A. V. Raghavan:  
{ Shri Pottekkatt:

Will the Minister of Education be pleased to state:

(a) whether there is any proposal to set up National laboratories in the States where there are none;

(b) if so, whether there is any proposal to set up a laboratory in Kerala; and

(c) when and where the same will be set up?

**The Minister of Education (Shri M. C. Chagla):** (a) There is no such proposal.

(b) The Working Group for Scientific Research in the CSIR for the IVth Five Year Plan has recommended setting up of a Regional Research Laboratory in Kerala during the IVth Five Year Plan period.

(c) This will be considered after a decision to set up the Laboratory is taken.

#### Trespass by East Pakistanis

833. { Shri D. C. Sharma:  
{ Shri Surendra Pal Singh:

Will the Minister of Home Affairs

be pleased to state:

(a) whether about 15 armed Pakistani trespassers intruded into the Indian reserved forests, Fulcumari, on the Tripura-East Pakistan border on the 23rd October, 1964 and attempted to attack the Indian border Police who challenged them for felling down valuable trees; and

(b) if so, the action taken in the matter?

**The Minister of State in the Ministry of Home Affairs (Shri Hathi):** (a) Yes, by fifteen/twenty Pak. nationals, on the 22nd October, 1964, and not on 23rd October, 1964.

(b) A protest has been lodged with the East Pakistan Government.

#### High Pressure Gas

834. **Shri Rameshwar Tantia:** Will the Minister of Education be pleased to state:

(a) an outline of the experiments being carried on by the Central Fuel Research Institute for the manufacture of high pressure gas;

(b) whether any estimate has been prepared for distribution of domestic gas; and

(c) the programme of Government in regard to the manufacture and distribution of gas?

**The Minister of Education (Shri M. C. Chagla):** (a) The Central Fuel Research Institute, Jealgora has been engaged in research on production of gas from coal. A pilot plant was installed in March, 1964, for conducting investigations on the complete gasification characteristics of Indian coals under high pressure. A number of tests have been made with the Plant on coals from different sources, and the future programme of investigations includes tests with various other types of coals from different coal fields of India and with lignites, lignite briquettes etc.