

Fish Diseases**Statement**

4196. SHRI NIPEN GOSWAMI: Will the PRIME MINISTER be pleased to state:

(a) the names of the fish diseases prevalent in the country particularly in the North-Eastern states;

(b) the steps taken to prevent these diseases;

(c) whether the Government are planing to set up research centres for fish diseases in the country; and

(d) if so, the details thereof?

THE MINISTER OF STATE IN THE MINISTRY OF AGRICULTURE (SHRI SOMPAL): (a) and (b) The diseases presently prevalent in fin and shell fish in the country including North-Eastern States largely relate to bacterial and fungal diseases, parasitic infections, epizootic ulcerative syndrome and other infections such as white spot and soft shell symptoms. Some of the fish diseases prevalent in the country as well as North-Eastern States are given in Statement attached.

Research on fish diseases has been systematically going on in the Fisheries Research Institutes under the Indian Council of Agricultural Research and some of the Colleges of Fisheries under the State Agricultural Universities such as (i) Central Institute of Brackishwater Aquaculture, Chennai; (ii) Central Institute of Freshwater Aquaculture, Bhubaneswar; (iii) Central Institute of Inland Capture Fisheries Research Institute, Barrackpore; (iv) Central Marine Fisheries Research Institute, Kochi; and (v) Central Institute of Fisheries Education, Mumbai.

Based on the clinical and field level trials, guidelines detailing preventive and therapeutic measures have been issued from time to time. Besides these research institutions also undertake systematic surveys for surveillance and monitoring of the fin and shell fish diseases.

(c) and (d) The research institutions referred to above are already carrying out research on fish diseases. These research activities would be continued and intensified in future.

Some of the Fish Diseases Prevalent in the Country including North-Eastern States

- A. Fungal infections
 - 1. Saprolenasis
- B. Bacterial diseases
 - 2. Fin and tail rot
 - 3. Ulcer disease
 - 4. Dropsy
 - 5. Eye disease
- C. Protozoan diseases
 - 6. Ichthyophthiriasis
 - 7. Costiasis
- D. Worm diseases
 - 8. Gyrodactylosis
 - 9. Diplostomiasis
- E. Crustacean diseases
 - 10. Argujosis
 - 11. Lernaeasis
 - 12. Epizootic Ulcerative Syndrome (EUS)
 - 13. White spot disease
 - 14. Soft shell syndrome

Manufacturing of Drip Irrigation System Machines

4197. SHRI S.S. OWAISI: Will the PRIME MINISTER be pleased to state:

(a) whether due to the concessions and incentives being given for drip/sprinkle system, a number of companies have entered into joint ventures with foreign companies and these companies are selling the machines in name of foreign collaboration;