

"unwanted growth of algae" has drawn wide attention, due to the consideration that nitrogen is present to the extent 79 per cent in the atmosphere and it is a very mobile element in air, water and soil. The fact remains that there are 40 species of algae and as low as 0.3 parts per million nitrogen or even half of this amount in ordinary rainfall is considered enough to support algal growth. In view of this, it does not seem to be likely that nitrogen from fertilizers may be responsible for eutrophication, specially in developing countries like India where according to 1969-70 statistics, the per hectare consumption of fertilizer is hardly 1/47th of the developed countries like Japan and 1/81st of the fertilizer dose used in Netherland. There appears, therefore, no danger at present to be apportioned to the use of chemical fertilizers in our country.

The research investigations carried out, so far at the Central Rice Research Institute, Cuttack have not shown any deleterious effect in the wet-land soil, due to the use of high doses of chemical fertilizers. However, research studies have already been undertaken to exploit the possibilities of bacterial fertilizers like *Azotobacter* mutants as also the mass culture of algae for rice in wet-land soils and intensification of the research programme is now contemplated. The use of Bacterial fertilizers like Rhizobial cultures for inoculating seeds of pulses and other legume crops is, however, becoming a general practice now.

Profits expected from Indian Built Luxury Liner 'Harsha Vardhan'

2089. SHRI VISHWANATH PRATAP SINGH: Will the Minister of SHIPPING AND TRANSPORT be pleased to state the estimated profits expected this year from the India built luxury liner "Harsha Vardhan" and the routes on which it will ply?

THE MINISTER OF PARLIAMENTARY AFFAIRS, AND SHIPPING AND TRANSPORT (SHRI RAJ BAHADUR): The Shipyard has contracted to deliver the luxury liner "Harsha Vardhana" to the Shipping Corporation of India only in October 1973. No profits therefore are expected this year. This ship will ply between India and East Africa.

Crash Programme for Appointment of Primary Teachers in Rural Areas

2090. SHRI VISHWANATH PRATAP SINGH: Will the Minister of EDUCATION AND SOCIAL WELFARE be pleased to state:

(a) whether a crash programme for appointment of primary teachers in the rural areas evolved by Government is being continued this year; and

(b) if so, the main features of the scheme and its achievements in 1971-72?

THE DEPUTY MINISTER IN THE MINISTRY OF EDUCATION AND SOCIAL WELFARE (SHRI K. S. RAMASWAMY):

(a) A Central Scheme for Providing Employment to the Educated Unemployed by Expansion of Primary Education facilities in States/ Union Territories was sanctioned during 1971-72 and is being continued during the current year.

(b) The scheme provides for appointment of additional primary school teachers, inspectors of primary schools, introduction of work experience, distribution of free textbooks and stationery, supply of midday meals and construction of additional class rooms. During 1971-72 approximately 28,000 teachers, 161 inspectors and 967 work experience teachers were appointed. The target for 1972-73 are 30,000 teachers, 240 inspectors and 1,000 work experience teachers. The entire expenditure is borne by Government of India.

Pollution of Sea Water by Washing of Oil Tankers by Foreign Shipping concerns near Bombay Docks

2091. SHRI VISHWANATH PRATAP SINGH: Will the Minister of SHIPPING AND TRANSPORT be pleased to state:

(a) whether washing of oil tankers by foreign shipping concerns in the vicinity of Bombay docks has resulted in dangerous pollution of sea-water in that area; and

(b) if so, the steps being taken by Government to remedy this?

THE MINISTER OF PARLIAMENTARY AFFAIRS AND SHIPPING AND TRANSPORT (SHRI RAJ BAHADUR):

(a) No, Sir. At present oil tankers use facilities for cleaning at the Marine Oil Terminal (Butcher Island). Oil tankers are not allowed to enter the docks unless they have been completely cleaned and certified as 'gas free' by the Inspector of Explosives. One noticed case of oil pollution is suspected to be due to (i) discharge of oil into the sea by oil tankers after leaving Butcher Island and (ii) outfall of residual oil from leaks in the bunker lines in the docks.