

blishing a Chemical Plant for production of more earch chemicals like Zirconium Chloride, titanium oxide and various types of titanium aluminium silicon alloys based on the utilisation of more earch materials in Orissa;

(b) whether the State Government has approached Union Government in this regard; and

(c) if so, the reaction of Union Government in this regard ?

THE MINISTER OF CHEMICALS AND FERTILIZERS AND INDUSTRY AND COMPANY AFFAIRS (SHRI VEE-RENDRA PATIL): (a) to (c) : It is presumed that the Hon'ble Member desires information in regard to the setting up of a chemical plant in Orissa for the manufacture of Rare Earch Chemicals. M/s. Indian Rare Earths Ltd., a public sector undertaking, is establishing a mineral sand complex (OSCOM Project) at Chatrapur in Ganjam Distt. of Orissa for the manufacture of following minerals :—

- | | |
|--------------|-----------------------|
| (a) Rutile | (e) Sillimanite |
| (b) Ilmenite | (f) Synthetic rutiles |
| (c) Zircon | (g) Hitox |
| (d) Monazite | |

In addition to above, one Letter of Intent has been issued in October, 1982 to M/s. Reliance Steel Ltd. for the manufacture of Titanium Dioxide at Chatarpur in Ganjam District of Orissa.

No proposal for setting up another such plant has been received from the State Government.

Seminar by Cement Research Institute of India on use of lime plaster

4774. SHRI JAGANNATH PATT-NAIK : Will the Minister of INDUSTRY AND COMPANY AFFAIRS be pleased to state :

(a) whether Government have made any efforts or research regarding the use of lime which was used centuries ago to construct such edifices as the Qutub Minar, the Victory Tower at Chittor and

the Meenakshi Temple at Madurai, as a major alternative to cement for the nation's housing schemes;

(b) whether any technical experts Committee has been appointed by Government in this regard.

(c) whether recently the three days Seminar sponsored by the Cement Research Institute of India discussed this matter; and

(d) if so, the details thereof in this regard ?

THE MINISTER OF STATE IN THE MINISTRY OF INDUSTRY AND COMPANY AFFAIRS (SHRI ARIF MOHAMMAD KHAN) (a) : Research on use of lime and other alternate materials to substitute use of cement in housing schemes is a continuous process and the National Council for Cement and Building Materials (till recently known as Cement Research Institute of India) has been engaged in R&D efforts towards this objective:

(b) : A Committee of technical experts was appointed by the Government in March, 1982, to undertake a techno-economic study on the use of lime/pozzolana cement for use in constructions.

(c) and (d) : A Seminar on Role of Building Materials Industries in conversion of Wastes into Wealth was organised by the National Council of Cement and Building Materials in March, 1985, to discuss the use of lime with industrial wastes. The items covered during the Seminar included *inter alia* utilisation of available agricultural and industrial wastes for making building materials and outline suitable national strategies and directions for implementation during the Seventh Five Year Plan period. The Seminar also discussed utilisation of lime sludge wastes from paper, sugar, fertilisers and other chemical industries for manufacture of building materials.

Construction of Telephone Exchange Buildings in Rural/Semi Urban Areas

4775. PROF. NARAIN CHAND PARASHAR : Will the Minister of COMMUNICATIONS be pleased to state :