

(c) The following is the progress of work made so far :—

*Irrigation :*

(i) *Engineering properties of Soils.*—Under the problems of Engineering properties of soils, studies were undertaken on compaction characteristics of rock soil mixes.

(ii) *Sub-soil flow.*—Under the problem of sub-soil flow, ground water recharge of Meshana area was worked out. The area measures about 250 sq. miles and is situated on alluvial tract in Gujarat State. About 350 Government tubewells and 438 private tubewells have been drilled in this area, drawing a total of 14,100 million gallons of water per year. Studies were conducted to determine the ground water recharge of this area per year. Studies indicated that a recharge of 14,700 million gallons per year may be expected.

*Power :*

(i) *Maintaining continuity of power supply in rural areas.*—Considerable progress has been made in regard to studies on this subject.

DRILLING OPERATIONS FOR OIL IN GUJARAT

5191. SHRI NARENDRA SINGH MAHIDA : Will the Minister of PETROLEUM AND CHEMICALS be pleased to state :

(a) the number of drilling operations which have been undertaken in Gujarat for locating oil so far;

(b) the number of cases in which the drilling operations have yielded positive results;

(c) the number of drilling operations that are likely to be made during 1967-68;

(d) whether a seismic survey has been made of the entire State; and

(e) if so, the likely prospects of oil in the state of Gujarat with their locations?

THE MINISTER OF STATE IN THE MINISTRY OF PETROLEUM AND

CHEMICALS AND OF SOCIAL WELFARE (SHRI RAGHU RAMAIAH) :

(a) So far drilling operations have been undertaken in 22 areas in Gujarat.

(b) Twelve areas.

(c) Fourteen areas.

(d) Most of the potentially prospective areas have been covered.

(e) Oil and/or gas in commercial quantities have already been discovered at Ankleshwar, Kathana, Dholka, Nawagam, Kalol, Cambay Olpad and Sanand. The presence of oil has also been found in Kosamba, Ahmedabad, Kadi and Mehsana.

NIZAMSAGAR RESERVOIR AND CANAL SYSTEM

5192. SHRI M. N. REDDY : Will the Minister of IRRIGATION AND POWER be pleased to state :

(a) whether any proposals have been received from the Andhra Pradesh Government regarding raising of full tank level and reconstruction and remodelling of Nizamsagar Reservoir and Canal system in Nizamabad District of Andhra Pradesh;

(b) if so, the action taken by Government thereon; and

(c) the time likely to be taken for its finalisation?

THE MINISTER OF IRRIGATION AND POWER (DR. K. L. RAO) : (a) No; Sir.

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

SUBSIDY TO GUJARAT FOR SUPPLY OF ELECTRICITY FOR AGRICULTURAL PURPOSES

5193. SHRI NARENDRA SINGH MAHIDA : Will the Minister of IRRIGATION AND POWER be pleased to state :

(a) the amount of subsidy given to the Government of Gujarat for the supply of electricity for agricultural purposes during 1966-67; and

(b) the amount utilised in the State for increasing agricultural production?