

**Experiments by Regional Research Laboratory, Hyderabad for Conversion of Coal into Oil**

3746. SHRI D. D. DESAI: Will the Minister of SCIENCE AND TECHNOLOGY be pleased to state:

(a) whether any experiments have been made in the Regional Research Laboratory at Hyderabad, recently, for conversion of coal into oil and Naptha;

(b) if so, whether the experiments have been a success;

(c) the cost involved therein; and

(d) whether Government propose to set up a number of coal to oil conversion plants; and if so, broad outlines thereof?

THE MINISTER OF INDUSTRIAL DEVELOPMENT AND SCIENCE AND TECHNOLOGY AND AGRICULTURE (SHRI C. SUBRAMANIAM): (a) No, Sir. The Regional Research Laboratory, Hyderabad had however studied, a few years back hydrogenation of low temperature tar into neutral oils on bench scale and not naptha.

(b) Studies showed that neutral oil can be hydrogenated to middle distillates.

(c) Costs could not be meaningfully worked out from these studies.

(d) Government have decided to set up a group of experts on this subject who will formulate a scheme of coal carbonisation gasification, oil synthesis and central tar-hydrogenation plant, evaluate it, locate the appropriate know-how and suggest further action. Final decision on the question of "coal to oil plant" will be taken by the Government after receipt of the suggestions from the group of experts.

**Indo-Nepal agreement on Karnali Hydro-Electric Project**

3747. SHRI BANAMALI PATNAIK: Will the Minister of IRRIGATION AND POWER be pleased to state:

(a) whether any accord has been reached between India and Nepal on the giant Karnali hydro-electric project;

(b) if so, the salient features thereof; and

(c) if not, the steps proposed to be taken in this direction for the mutual benefit of both the countries?

THE MINISTER OF IRRIGATION AND POWER (SHRI K. C. PANT): (a) to (c). Further investigations are necessary to finalise the Karnali Project Report. India and Nepal have agreed that the speedy implementation of the Karnali Project is in the mutual interest of the two countries. An Executive Board would be set up by Nepal for this project, and India would be represented thereon.

**Suspension or Dismissal of persons in Indian Standards Institution**

3748. SHRI RAGHUNANDAN LAL BHATIA: Will the Minister of INDUSTRIAL DEVELOPMENT AND SCIENCE AND TECHNOLOGY be pleased to state whether any person was suspended or dismissed during the clousre of Indian Standards Institution?

THE MINISTER OF INDUSTRIAL DEVELOPMENT AND SCIENCE AND TECHNOLOGY AND AGRICULTURE (SHRI C. SUBRAMANIAM): No employee of the Indian Standards Institution was dismissed during the period from the 17th May to 9th June, 1974 during which the functioning of the Headquarters Office of the Indian Standards Institution remained suspended. Fifteen employees were suspended with effect from the afternoon on the 16th May, 1974, and nine were suspended with effect from the afternoon

of the 20th May, 1974. Suspension orders have already been revoked by the I.S.I. with minor penalties in 6 cases on appeal on the basis of admission of the charges by the concerned employees. Enquiry proceedings are in progress against the remaining 18 employees

**Major and Medium Irrigation Schemes for providing Irrigation Facilities in Orissa during Fifth Plan**

3749. SHRI BANAMALI BABU  
Will the Minister of IRRIGATION AND POWER be pleased to state:

(a) the major and medium irrigation schemes for providing irrigation facilities during the Fifth Five Year Plan in Orissa.

(b) the additional land area expected to be benefited as a consequence of the proposed irrigation schemes; and

(c) the number and particulars of the irrigation schemes proposed to be taken up in the backward districts of the State?

THE DEPUTY MINISTER IN THE MINISTRY OF IRRIGATION AND POWER (SHRI SIDDHESHWAR PRASAD): (a) 3 major and 13 medium projects already under construction in Orissa would continue in the Fifth Plan. In addition, 9 new medium projects are proposed to be taken up in the Plan period.

(b) Irrigation potential of 5.66 lakh ha. has already been created by the above continuing schemes. The additional potential that is proposed to be created in the Fifth Plan will be 4.80 lakh ha.

(c) Of the projects in the Fifth Plan, 2 major and 21 medium projects the particulars of which are given below, are in the backward districts of the State

	Sl. No.	Name of Project	District benefited	Irrigation benefits (in 000 ha.)
	1	2	3	4
<b>MAJOR :</b>	1	Anandpur Barrage . . . . .	Keonjhar	61.51
	2	Rengali . . . . .	Do.	313.23
<b>MEDIUM :</b>	1	Ong . . . . .	Bolangir	24.69
	2	Dadraghat . . . . .	Dhenkanal	4.11
	3	Darjang . . . . .	Do.	9.71
	4	Aunli . . . . .	Do.	5.16
	5	Ghodahado . . . . .	Ganjam	7.41
	6	Dhanes . . . . .	Do.	5.27
	7	Baghua . . . . .	Do.	4.05
	8	Ramnadi Stage—I . . . . .	Do.	1.32
	9	Daha . . . . .	Do.	5.59
	10	Uttei . . . . .	Kalahandi	11.33
	11	Sunder . . . . .	Do.	4.23