

**Salal Hydel Projects in J and K pending completion**

1180. SHRI C. CHINNASWAMY: Will the Minister of ENERGY be pleased to state:

(a) whether it is a fact that Salal Hydel Project in Jammu and Kashmir is pending without completion since 10 years;

(b) if so, the reasons therefor;

(c) whether there is any proposal to engage foreign technical experts to help complete the hydel projects in the country; and

(d) if so, the details thereof?

THE MINISTER OF STATE IN THE MINISTRY OF ENERGY (SHRI VIKRAM MAHAJAN): (a) to (d). Being a project in the young Himalayas, where the geology is heterogeneous, serious problems were encountered in the course of construction, requiring changes in design, which involved increase in quantities and scope of work. This has resulted in the construction taking a longer time than originally envisaged.

All these problems have since been resolved through detailed and intensive discussions and consultations with various agencies and expert in the country.

**Foreign Technology procured by IDPL**

1181. SHRI C. CHINNASWAMY: Will the Minister of PETROLEUM, CHEMICALS AND FERTILIZERS be pleased to state:

(a) details about foreign technologies procured by I.D.P.L. for different drugs;

(b) the names of the countries from which purchased; and

(c) is there any proposal under consideration to develop I.D.P.L. more effectively?

THE MINISTER OF STATE FOR PETROLEUM, CHEMICALS AND FERTILIZERS (SHRI DALBIR SINGH): (a) and (b). A statement is attached.

(c) I.D.P.L. has two R&D centres in the Antibiotics Plant at Rishikesh and Synthetic Drugs Plant at Hyderabad. Originally as a part of the technical and financial association with Technoexport, Moscow, I.D.P.L. obtained technology for 15 drugs, IDPL developed technology for 30 drugs which are under commercial production, R&D efforts are being made to generate technology for known drugs and also new drugs. I.D.P.L. has also plans for expansion for the manufacture of various drugs.

**Statement**

*Details of Foreign collaborations and name of country*

Year	Brief particulars of collaborations involving technical collaborations only	Total value	Name of the country and the firm with which collaborations has been entered into
(1)	(2)	(3)	(4)
14th June, 1976	For the supply of know-how alongwith detailed design engineering for the production of Doxycycline Hyclate.	U.S. \$ 0.5 lakhs	M/s Farmafim, Italy M/s I.C.L., Italy M/s Farmafim, Italy.

(1)	(2)	(3)	(4)
6th Dec., 1976	For the supply of know-how, high yielding strains with detailed design engineering for the production of :-		
	(i) Pot. Penicillin	U.S. \$ 4 lakhs	I.C.L. Plant (Italy)
	(ii) Tetracycline Hcl.	U.S. \$ 3 lakhs	Archifar-Plant (Italy)
	(iii) Erythromycin Hyclate, and technical know-how with detailed design	U.S. \$ 3 lakhs	Archifar-Plant (Italy)
	(iv) Semi-synthetic Penicillins	U.S. \$ 5 lakhs	I.C.L. Plant (Italy)
29th June, 1976	For the supply of technical know-how and some equipments for the production of Methyl Ethyl Pyridine, Niacin and Nicotinamide.	20,00,000 Swedish Kr. and 14.36 Million Swedish Kr.	M/s A.B. Bofors, Sweden. and M/s Lonza, Switzerland.

### Performance of Oil Refineries

1182. SHRI C. CHINNASWAMY:  
Will the Minister of PETROLEUM,  
CHEMICALS AND FERTILIZERS be  
pleased to state:

(a) the performance of the oil  
refineries last year and how does it  
compare with the previous two years;

(b) what is the requirement of  
crude to work the existing refineries

to full capacity in the current year;  
and

(c) the new areas selected for oil  
drilling during this current year and  
progress of the work?

THE MINISTER OF PETROLEUM,  
CHEMICALS AND FERTILIZERS  
(SHRI P. C. SETHI): (a) The crude  
throughput for the refineries for  
1977-78, 1978-79 and 1979-80 is as  
follows:—

Million tonnes

Refinery	CRUDE THROUGHPUT		
	1977-78	1978-79	1979-80
HPCL (BOMBAY)	2.90	2.80	3.13
BPCL	4.51	4.69	4.82
HPCL (VISAKH)	1.30	1.33	1.10
CRL	2.93	2.86	2.87
MRL	2.62	2.76	2.82
Koyali	4.13	5.25	6.71
Haldia	2.10	2.22	2.49
Barauni	3.06	2.66	2.29
Gauhati	0.82	0.83	0.64
Digboi	0.53	0.52	0.41
Bongaigaon	—	0.06	0.19
	24.90	25.98	27.47