

**Manufacture of Hydrocortisone by  
M/s. Glaxo**

2640. SHRI K. V. R. S. BALA SUBBA RAO: Will the Minister of PETROLEUM, CHEMICALS AND FERTILIZERS be pleased to state:

(a) whether it is a fact that M/s. Glaxo have been granted an Industrial Licence for manufacture of Hydrocortisone Semi-Succinate Sodium; if so, the licence number, date and capacity approved;

(b) what are the raw materials, chemicals etc., mentioned in their application for manufacture of this bulk drug and whether the company is producing the drug from the applied stage; and

(c) whether it is also a fact that the company has imported this drug; if so, the quantity imported, purchased at high sea during the last three years; year-wise and the end products for which the bulk drug has been used by the company?

THE MINISTER OF STATE IN  
THE MINISTRY OF PETROLEUM,

CHEMICALS AND FERTILIZERS (SHRI DALBIR SINGH): (a) M/s. Glaxo Laboratories (India) Limited were granted an Industrial Licence No. L/22/N-17/57, *inter-alia*, for the manufacture of approximately 120 kgs. of Cortisone type compounds (Cortisone, Hydrocortisone, Prednisone, Prednisolone). On 26th October, 1959 the entry "Cortisone type of Compound" on the licence was amended to "Corticosteroids". On 12-10-1964 they were granted substantial expansion to 300 kgs. of Corticosteroids, *viz.* Cortisone, Hydrocortisone, Prednisone, Prednisolone and Betamethasone *vide* Licence No. L/22/236/64-Ch. III (Hydrocortisone Hemi-Succinate is a compound of Hydrocortisone).

(b) The details of raw materials, Chemicals etc. indicated in their application are annexed. (See below). M/s. Glaxo are reported to be producing Hydrocortisone Hemi-Succinate from purchased Hydrocortisone Alcohol.

(c) The information has been called for from the company and will be laid on the Table of the House.

**Statement**

*Raw materials for production of Cortisone from Hecogenin*

1. Hecogenin	Indigenous
2. Acetic Acid	"
3. Acetic Anhydride	"
4. Benzene	"
5. Methanol	"
6. IMS. 74 o.p.	"
7. Pyridine	Imported UK
8. Calcium Metal	Do
9. Ethyl acetate	Imported
10. Chloroform	"
11. Ether (Technical)	Imported UK
12. Acetone	Indigenous
13. Chromic Chloride	Imported UK

In addition there would be required a large number of small items, amounting in all approximately 800 annum (Rs. 1,06,666).