

Central assistance to set up a paper plant in Kurnool district;

(b) if so, what are the details thereof; and

(c) what action Government have taken in the matter?

THE MINISTER OF STATE IN THE MINISTRY OF INDUSTRY AND CIVIL SUPPLIES (SHRI B. P. MAURYA):

(a) to c). The Andhra Pradesh State Government have proposed a pulp/paper project in Kurnool district for being financed under the special fund for accelerated development of backward areas/districts programme. The matter is under examination.

### Thermal and Nuclear power production in the country

1734. SHRI J. S. ANAND: Will the Minister of ENERGY be pleased to state:

(a) whether it is a fact that the thermal power production in the country is costlier than that of the nuclear power;

(b) if so, what are the details thereof;

(c) whether Government have a proposal under their consideration to give priority to the nuclear power plants; and

(d) if so, what are the details of the nuclear power plants and thermal power plants proposed to be set up during the Fifth Plan period?

THE DEPUTY MINISTER IN THE MINISTRY OF ENERGY (PROF. SIDDHESHWAR PRASAD): (a) to (c). The relative economics of power production from atomic power plants and conventional thermal power plants depends on location. In case of locations close to the coal fields, power from conventional thermal stations is cheaper than nuclear power plants, whereas in case the location is far off from the coalfields, Nuclear power may become cheaper than conventional thermal power. Studies have shown that the nuclear power becomes competitive in case the location is more than about 800 KM from the coal fields. The establishment of a nuclear plant is based on these and other techno-economic considerations.

(d) A statement is attached.

### Statement

*Benefits in the Fifth Plan period from thermal generation schemes (Public utilities)*

Sl. No.	Region/Scheme	No. and size
---------	---------------	--------------

### NORTHERN REGION

#### Continuing Schemes :

1	Faridabad thermal station	2 × 60
2	Panipat thermal station	2 × 110
3	Gurunanak thermal station	2 × 110
4	Obra thermal station Extn. I	2 × 100
5	Obra thermal station Extn. II	3 × 200
6	Panki thermal station Extn. II	2 × 110
7	Harduaganj thermal station Stg. VI	2 × 55
8	Harduagan thermal station Stg. V	1 × 110
9	Badarpur thermal station (central)	2 × 100

Sl. No.	Region/Scheme	No. and Size
---------	---------------	--------------

*New Schemes*

1	Gurumanak thermal station extn. . . . .	2 × 110
2	Obra thermal station extn. III . . . . .	2 × 200
3	Badarpur thermal station (central) . . . . .	1 × 200

*WESTERN REGION**Continuing Schemes:*

1	Ukai thermal station . . . . .	2 × 120
2	Gandhi Nagar thermal station . . . . .	2 × 120
3	Korba thermal station Extn. I . . . . .	1 × 120
4	Amarkantak thermal station Extn. . . . .	2 × 120
5	Koradi thermal station Extn. Stage I & II . . . . .	3 × 120

*New Schemes:*

1	Ukai thermal station Extn. . . . .	1 × 200
2	Satpura thermal station Extn. . . . .	1 × 200
3	Kobra thermal station Extn. II . . . . .	1 × 200
4	Koradi thermal station Extn. III . . . . .	3 × 200
5	Nasik thermal station Extn. . . . .	1 × 200
6	Bhusawal thermal station . . . . .	1 × 200

*SOUTHERN REGION**Continuing Schemes:*

1	Kothagudem thermal station Stage III . . . . .	1 × 110
2	Ennore thermal station Extension . . . . .	1 × 110

*New Schemes:*

1	Kothagudem thermal station stage IV . . . . .	2 × 110
2	Vijayawada thermal station . . . . .	1 × 200
3	Tuticorin thermal station . . . . .	1 × 200

*EASTERN REGION**Continuing Schemes:*

1	Patratu thermal station . . . . .	2 × 110
2	Barauni thermal station Extension . . . . .	1 × 110
3	Santalidih thermal station . . . . .	3 × 120
4	Chandrapura thermal station Unit V . . . . .	1 × 120
5	Chandrapura thermal station Unit VI . . . . .	1 × 120

*New Schemes:*

1	Patratu thermal station Extension IV . . . . .	2 × 110
2	Barauni thermal station Extension . . . . .	1 × 110
3	Tenughat thermal station . . . . .	1 × 200
4	Talcher thermal station Extension . . . . .	2 × 110
5	Bandal thermal station Extension . . . . .	1 × 200
6	Kolaghat thermal station . . . . .	1 × 200
7	Durgapur thermal station Extension . . . . .	1 × 200
8	Bokaro thermal station Extension . . . . .	1 × 200
9	Farakka thermal station (central) . . . . .	1 × 110

Sl. No.	Region/Scheme	No. and Size
<b>NORTH-EASTERN REGION</b>		
<i>Continuing Schemes:</i>		
1	Namrup thermal station Extension	1 × 30
<i>New Schemes:</i>		
1	Chandrapura (Gauhati) thermal station Extn.	1 × 30
2	Namrup thermal station Extension	1 × 30
<i>Non-Utilities:</i>		
1	CHOLA	2 × 100
<b>NUCLEAR</b>		
1	RAPP—2nd Unit	1 × 235
2	Kalpakam—1st and 2nd Unit	2 × 235

#### **Purchasing of Power Plants from U.K. and Australia**

1735. SHRI SANAT KUMAR RAHA: Will the Minister of ENERGY be pleased to state:

(a) whether it is a fact that the West Bengal Government have asked the Central Government to release foreign exchange of about Rs. 50 crores to buy three power plants from U.K. and Australia; and

(b) if so, what are the details thereof?

THE DEPUTY MINISTER IN THE MINISTRY OF ENERGY (PROF. SIDDHESHWAR PRASAD): (a) and (b). The West Bengal Government has asked the Central Government to release foreign exchange for the components of power plants as under:—

(i) One boiler from the U.K. for the Bandel Thermal Power Station—Rs. 4.1 crores.

(ii) Three boilers from the U.K. for the Kolaghat Thermal Power Station—Rs. 14.96 crores.

(iii) One boiler from the U.K. for the Durgapur Thermal Power Station—Rs. 2.82 crores approx.

(iv) Generating plant for the Jaldhaka Hydro-Electric Scheme Stage II—Rs. 1 crore approx.—source yet to be decided.

Foreign exchange for i & ii has been released and for iii & iv is under consideration.

#### **Air Pollution in Industrial Towns in the Country**

1736. SHRI BHOLA PRASAD: Will the Minister of SCIENCE AND TECHNOLOGY be pleased to state:

(a) whether Government have made any survey of air pollution in the main industrial towns in the country; and

(b) if so, the details thereof?

THE MINISTER OF INDUSTRY AND CIVIL SUPPLIES AND OF DEPARTMENT OF SCIENCE AND TECHNOLOGY (SHRI T. A. PAI): (a) and (b). Basic data is being collected on air quality as a part of national network programme of National Environmental Engineering Research