(c) Yes Sir. The scheme would be reviewed after a period of 3 months.

(d) Depending on the experience in the 3 months, a view to extend the scheme to larger number of mines would be considered.

Delay in the Completion/Commissioning the Power Projects

305. SHRI CHHANGUR RAM:

SHRI CHANDRAJIT YADAV:

Will the Minister of ENERGY be pleased to lay a statement showing:

(a) the names of the power projects whose completion has been behind schedule and the projects whose commissioning has been delayed;

(b) what are the main reasons for the delay in the completion/commissioning of these projects;

(c) the extent to which the escalation in the cost of these projects is anticipated because of delay in their completion/commissioning; and

(d) the steps taken by the Government for their early completion/commissioning?

THE MINISTER OF STATE IN THE MINISTRY OF ENERGY (SHRI VIKRAM MAHAJAN): (a) The thermal and Hydro Projects which have been delayed as per the information available, are given in the statements I and II respectively.

(b) The main reasons for delay are one or more of the following:—

1. Inadequate site investigation.

2. Inadequate funds.

3. Shortage of key construction materials like steel, cement, explosive.

4. Delay in finalising of engineering of project|appointment of consultants.

5. Delay in placement of order for aux. equipment|award of contracts.

6. Delay in Civil Works.

7. Delay in supply of equipment by various suppliers.

8. Non-sequential supply of main plant and equipment affecting erection.

9. Defective material supply resulting in rectification at site.

10. Delay in recruitment and posting of O&M staff.

11. Labour unrest.

12. Delay in land acquisition and inter-state aspects.

13. Geological problems.

(c) It is difficult to indicate exact escalations in cost of the on going projects as the same depends upon a number of factors. However, the revised estimates received indicate an upward trend ranging between 8 to 12 per cent per year in respect of rise in cost of material and labour.

(d) In order to speed up the commissioning of the power projects, construction monitoring directorates have been set up in the Central Electricity Authority (CEA) to closely monitor the various activities of the projects. Coordination and review meetings are regularly held in the CEA with the project authorities, equipment suppliers and manufacturers, construction agencies etc. etc. A close watch is kept on all constraints for corrective actions. CEA's senior officers visit project sites and take up the matter with the appropriate auhorities for removing the bottlenecks. Review meetings are also held in the Department of Power for appropriate action with the State Governments as well as at the level of the Union Government.

Statement-I

THERMAL PROJECTS

Sl. No.	Projects	Capacity
	Northern Region	
1	Panipat St. II Unit 3 & 4	(2x110 MW)
2	Panipat St. III Unit-5	(1x210 MW)
3	Faridabad Extn. Unit 3	(1x60 MW)
4	Obra St. III	(2x200 MW)
5	Anpara Unit 1,2 & 3	(3x210 MW)
6	Parichha Unit 1 &2	(2x110 MW)
7	Tanda Unit–1,2,3, & 4	(4x110 MW)
8	Ropar Unit–1 & 2	(2x210 MW)
9	Kota Unit 1 & 2	(2x110 MW)
10	Badarpur St. III Unit-5	(210 MW)
	Western Region	
11	Ukai–Unit-5	(210 MW)
12	Wanakbori Unit 1,2 & 3	(3x210 MW)
13	Wanakbori Extn. Unit 4,5 & 6	(3x210 MW)
14	Kutch Lignite Unit 1 & 2	(2x60 MW)
15	Satpura Extn. Unit 8 & 9	(2x210 MW)
16	Korba West Unit 1 & 2	(2x210 MW)
17	Korba West Extn. unit 3 & 4	(2x210 MW)
18	Korba East	(120 MW)
19	Koradi St. III Unit 5, 6 & 7	(1x200 × 2x210 MW)
20	Nasik St. III Unit 4 & 5	(2x210 MW)
21	Bhusawal St. III Unit 3	(1x210 MW)
22	Chandrapur St. I Unit 1 & 2	(2x210 MW)
23	Chandrapur St. II Unit 3 & 4	(2x210 MW)
24	Uran Gas Turbine	(4x60 MW)
25	Trombay Extn.	(500 MW)
26	Parli Unit 3	(210 MW)
	Southern Region	
27	Vijaywada Unit 1 & 2	(2x210 MW)
28	Raichur Unit 1 & 2	(2x210 MW)

Sl. No.	Project	Capacity
29	Tuticorin St. I Unit 1 & 2	(2x210 MW)
30	Tuticorin St. II Unit 3	(1x210 MW)
	Eastern Region	
31	Patratu St. IV Unit 9 & 10	(2x210 MW)
32	Barauni 6th unit	(110 MW)
33	Barauni 7th Unit	(110 MW)
34	Muzaffarpur Unit 1 & 2	(2x110 MW)
35	Talcher Extn. Unit 5 & 6	(2x110 MW)
36	Durgapur Unit 4	(210 MW)
37	Bokaro 'B'	(1x210 MW)
38	Santaldih Unit 1, 2, 3 & 4	(4x120 MW)
39	Bandel Unit-5	(210 MW)
40	Kolaghat Unit 1, 2 & 3	(2x210 MW)
	North Eastern Region	
41	Bongaigon Unit 1 & 2	(2x60 MW)
42	Bongaigon Extn. Unit 3 & 4	(2x60 MW)
43	Namrup Waste Head	(22 MW)
44	Chandrapur Extn	(30 MW)
45	Lakwa Gas Turbine	(3x15 MW)

Statement—II

HYDRO-ELECTRIC PROJECTS

Sl. No.	Project	Capacity
		in MW
	NORTHERN REGION	
1	Bassi Extn.	6x8
2	Andhra	3x5
3	Binwa	2x3
4	Rongtong	4x0·5
5	Bhaba	3x40

Sl. No.	Project	Capacity in MW
6	Mahi Bajaj Sagar St. I & II	1×25+1×45 & 1×25+1×45
7	Mukerian	6×15+6×19·5
8	Garhwal Rishikesh Chills	4×36 (Initially) 3 units.
9	Yamuna St. II	4×30
10	Manari Bhali St. I	3×30
11	Vishnu Prayag	4×65·5
12	Tehri	4×250
13	(Beas) Dehar Extn.	2×165
14	(Beas) Pong Extn.	2×60
15	Baira Siul	3×60
16	Salal	3×115
	WESTERN REGION	
17	Ukai Left Bank Canal	2×2·5
18	Kadana P.S.S.	4×60
19	Bhira Tail Race	2×40
20	Tillari	1×60
21	Koyna Dam P.H.	2×20
22	Paithon	1×12
23	Bhanderdhara	1×10+1×38·5
24	Bodhghat	4×125
25	Pench	2×80
	SOUTHERN REGION	
26	Srisailam	4×110
27	Balimela D.P.H.	2×30
28	Upper Sileru St. II	2×60
29	Kalinadi St. II	
	(i) Phase I	2×135
	(ii) Phase II	4×135+2×4·5
30	Varhi	2×115+2×4·5
31	Gangavali (Bedthi)	2×105
32	Idamalayar	2×37·5
33	Kakkad	2×25

Sl.	Project	Capacity in MW
34	Idduki St. II	3×130
35	Kadamparai P.S.S.	4×100
36	Sarvalar	1×20
	EASTERN REGION	
37	Jaldhaka	2×4
38	Ramman St. II	4×12·5
39	Subernrekha	2×65
40	Panchet Hill	1×40
41	Upper Kolab	3×80
42	Rengali	2×50
43	Upper Indravati	5×120
44	Koel Karo	6×115 + 1×20
	NORTH EASTERN REGION	
45	Umium-Umtru St. IV	2×30
46	Lower Borpani	2×50
47	Dikhu	1×0·75 + 1×0·25
48	Kopili	2×50+2×25
49	Gumti Unit 3	1×5
50	Loktak	3·35

Major and Medium Irrigation Schemes Completed and Under Completion

306. SHRI CHHANGUR RAM:

SWAMY INDERVESH:

Will the Minister of IRRIGATION be pleased to state:

(a) the number of the major and medium irrigation schemes that have been completed and those which are under completion;

(b) the number of the schemes which have been delayed beyond three years stating the reasons for the delay in their completion;

(c) the escalation in the cost because of the delay in their completion; and

(d) the steps taken by the Government to complete the schemes in hand to avoid further escalation in their cost?

THE MINISTER OF STATE IN THE MINISTRY OF IRRIGATION (SHRI Z. R. ANSARI): (a) Since the advent of planned development from 1951, about 900 major and medium irrigation projects were taken up for execution, of which about 600 schemes have been completed.