

**GOVERNMENT OF INDIA
MINISTRY OF POWER
LOK SABHA
UNSTARRED QUESTION NO. 3898
ANSWERED ON 23.03.2023**

POWER PROJECTS

†3898. SHRIMATI DELKAR KALABEN MOHANBHAI:

**Will the Minister of POWER
be pleased to state:**

- (a) whether several power projects are lagging behind from its scheduled start time in various parts of the country;**
- (b) if so, the reasons therefor and the details of the under construction power projects in various parts of the country, State/UT-wise including Maharashtra;**
- (c) the total amount incurred on these projects and the reasons for pendency of these projects; and**
- (d) the steps taken by the Government to complete these projects in various States including Maharashtra, State-wise?**

A N S W E R

THE MINISTER OF POWER AND NEW & RENEWABLE ENERGY

(SHRI R.K. SINGH)

(a) to (c) : As on 28.02.2023, there were 41 No. hydro electric projects (above 25 MW) totaling to 17803.5 MW which are under implementation in various States/UTs (including Maharashtra) of the country. The state-wise list of these projects including time overrun and total amount incurred are given at Annexure-I.

As on 28.02.2023, there were 18 under construction thermal power projects in the country. The details including time overrun and the total amount incurred till 28-02-2023 are given at Annexure-II.

The main reasons for delay in completion of Hydro and Thermal projects are as under:

- Contractual Issues**
- Lack of readiness of railway line / Railway sidings**
- Delay in supply by equipment manufacturers**
- Delay in land acquisitions**
- Disruption of work due to local issues**
- Litigations**
- Delay due to change in design**
- Geological surprises in case of hydro projects**

(d) : The following steps have been taken by the Government to ensure timely completion of power projects:-

- (i) The Central Electricity Authority (CEA) monitors the progress of under construction power projects through site visits and interaction with the developers & other stakeholders. CEA holds review meetings periodically with the developers and other stakeholders to identify and resolve issues critical for commissioning of Projects.**
- (ii) Regular reviews are also undertaken in Ministry of Power (MoP) to identify the constraints and facilitate faster resolution of Inter-Ministerial and other outstanding issues.**
- (iii) In case of Central Power Sector Undertakings (CPSU's) projects, the project implementation parameters / milestones are incorporated in the annual MoU signed between respective CPSU's and MoP and the same are monitored during the Quarterly Performance Review (QPR) meetings of CPSU's and other meetings held in MoP/CEA.**
- (iv) Various matters related with project implementation are being taken up with State Government/District Administration for expeditious resolution of issues.**

ANNEXURE-I

ANNEXURE REFERRED TO IN REPLY TO PARTS (a) TO (c) OF UNSTARRED QUESTION NO. 3898 ANSWERED IN THE LOK SABHA ON 23.03.2023

DETAILS OF TIME OVERRUN OF UNDER DEVELOPMENT HYDRO ELECTRIC PROJECTS (ABOVE 25 MW) – STATE-WISE

(As on 28.02.2023)

Sl. No	Project Name/(I.C.)/ Executing Agency	Unit No.	Cap. (MW)	Org. Comm. Sched.	Ant. Comm. Sched.	Time overrun (months)	Latest/Ant. Cost (Rs. in Crores) (Price Level)	Expenditure incurred (in Rs. crores)
1	2	3	4	5	6	7	8	9
	Andhra Pradesh							
1	Polavaram (12x80 = 960 MW) APGENCO / Irr. Deptt., A.P.	1	80	2016-17	2024-25	96	5338.95 (2016-17 PL) (Power Component)	737.52
		2	80	2016-17	2024-25			
		3	80	2016-17	2024-25			
		4	80	2016-17	2024-25			
		5	80	2016-17	2025-26			
		6	80	2016-17	2025-26			
		7	80	2017-18	2025-26			
		8	80	2017-18	2025-26			
		9	80	2017-18	2025-26			
		10	80	2017-18	2025-26			
		11	80	2017-18	2025-26			
		12	80	2017-18 (Mar'18)	2025-26 (Mar,26)			
2	Pinnapuram (4x240+2x120 MW) M/s Greenko	1	240	2024-25	2024-25	Nil	6465.22 (Feb'2021 PL)	4780.26
		2	240	2024-25	2024-25			
		3	240	2024-25	2024-25			
		4	240	2024-25	2024-25			
		5	120	2024-25	2024-25			
		6	120	2024-25 (Mar'25)	2024-25 (Mar'25)			

	Arunachal Pradesh							
3	Subansiri Lower (8x250 = 2000 MW) NHPC	1	250	2009-11	2023-24	165	19992.43 (01/20)	17627.04
		2	250	2009-11	2023-24			
		3	250	2009-11	2023-24			
		4	250	2009-11	2023-24			
		5	250	2009-11	2024-25			
		6	250	2009-11	2024-25			
		7	250	2009-11	2024-25			
		8	250	2009-11 (Sep'10)	2024-25 (Jun'24)			
4	Dibang Multipurpose Project (12x240 = 2880 MW) NHPC	1	240	2031-32	2031-32	NIL	31876.39 (05/21)	2091.30
		2	240	2031-32	2031-32			
		3	240	2031-32	2031-32			
		4	240	2031-32	2031-32			
		5	240	2031-32	2031-32			
		6	240	2031-32	2031-32			
		7	240	2031-32	2031-32			
		8	240	2031-32	2031-32			
		9	240	2031-32	2031-32			
		10	240	2031-32	2031-32			
		11	240	2031-32	2031-32			
		12	240	2031-32 (Feb'32)	2031-32 (Feb'32))			
	Assam							
5	Lower Kopili (2x55+2x2.5+1x5 =120MW)	1	55	2024-25	2024-25	9	1795 (2021)	759.44
		2	55	2024-25	2024-25			
		3	5	2024-25	2024-25			
		4	2.5	2024-25	2024-25			
		5	2.5	2024-25 (Jun'24)	2024-25 (March'25)			
	Himachal Pradesh							
6	Parbati - II (4x200 = 800 MW) NHPC	1	200	2009-10	2023-24	174	11134.54 (07/22)	10452.38
		2	200	2009-10	2023-24			
		3	200	2009-10	2023-24			
		4	200	2009-10 (Sept'09)	2023-24 (Mar,24)			

7	Uhl-III (3x33.33 = 100 MW) BVPCL	1 2 3	33.33 33.33 33.33	2006-07 2006-07 2006-07 (Mar'07)	2024-25 2024-25 2024-25 (Dec,24)	213	2400 (2022)	2391.66
8	Shongtom Karcham (3x150 = 450 MW) HPPCL	1 2 3	150 150 150	2016-17 2016-17 2016-17 (Mar'17)	2026-27 2026-27 2026-27 (Nov,26)	115	2807.83 (07/11)	1665.90
9*	Tangnu Romai-I (2x22 = 44 MW) TRPGPL	1 2	22 22	2014-15 2014-15 (Jun'14)	2027-28 2027-28 (subject to re-start of works(4 years))	165	641.89 (2018)	329.36
10	Tidong-I 2x50 =100 MW NSL Tidong (w.e.f. 04.09.2018 Statkraft India Pvt. Ltd. Has acquired the 100% equity in the project)	1 2 3	50 50 50	2021-22 2021-22 (Oct'21) New Developer	2023-24 2023-24 (Dec'23)	26	1850.00 (06/2018)	1421.2
11	Kutehr 3x80=240 MW JSW Energy (Kutehr) Ltd	1 2 3	80 80 80	2024-25 2024-25 2024-25 (Nov'24)	2025-26 2025-26 2025-26 (Nov'25)	12	2879 (03/2019)	1510.68
12	Luhri Hydro Electric Project Stage-I (2X 80+2X25 MW = 210 MW)	1 2 3 4	80 80 25 25	2025-26 2025-26 2025-26 (Jan'26)	2025-26 2025-26 2025-26 (Jan'26)	NIL	1810.56 (05/20)	1029.15
13	Dhauasidh (SJVN) 2x 33=66MW Hamirpur/ Kangra	1 2	33 33	2025-26 2025-26 (Nov'25)	2025-26 2025-26 (Nov'25)	NIL	687.97 (05/2020)	358.90
14	Sunni Dam (SJVN) 4x 73+1x73+1x17=382 MW	1 2 3 4 5	73 73 73 73 17	2027-28 2027-28 2027-28 2027-28 2027-28 2027-28 (Mar'28)	2027-28 2027-28 2027-28 2027-28 2027-28 2027-28 (Mar'28)	Nil	2614.51 (Mar'21)	310.65

15	Chanju-III (3x16 = 48 MW) HPPCL	1 2 3	16 16 16	2027-28 2027-28 2027-28 (Jun'27)	2027-28 2027-28 2027-28 (Jun'27)	Nil	418.57 (01/15)	43.71
	Govt. of UT of J&K							
16	Pakal Dul (4x250= 1000 MW) CVPPL	1 2 3 4	250 250 250 250	2020-21 2020-21 2020-21 2020-21 (Apr'20)	2025-26 2025-26 2025-26 2025-26 (July'25)	63	8112.12 (03/13)	2845.12
17	Parnai 3x12.5= 37.5 MW JKSPDC	1 2 3	12.5 12.5 12.5	2017-18 2017-18 2017-18 (Jan'18)	2024-25 2024-25 2024-25 (Jun,24)	77	640.86 (Completion cost)	315.92
18*	Lower Kalnai 2x24= 48 MW JKSPDC	1 2	24 24	2017-18 2017-18 (Sep'17)	2026-27 2026-27 (subject to re-start of works (4 years))	114	576.87 (12/12) (Completion cost)	87.94
19	Kiru (4x156=624 MW) CVPPL	1 2 3 4	156 156 156 156	2023-24 2023-24 2023-24 2023-24 (Aug,23)	2025-26 2025-26 2025-26 2025-26 (July,25)	23	4287.59 (07/18)	963.70
20	Ratle (4x205+1x30) = 850 MW RHPPL / NHPC	1 2 3 4 5	205 205 205 205 30	2025-26 2025-26 2025-26 2025-26 2025-26 (Feb'26)	2025-26 2025-26 2025-26 2025-26 2025-26 (May'26)	3	5281.94 (11/18)	210.68
21	Kwar (4x135=540 MW) CVPPL	1 2 3 4	135 135 135 135	2026-27 2026-27 2026-27 2026-27 (Nov'2026)	2026-27 2026-27 2026-27 2026-27 (Nov'2026)	Nil	4526.12 (Sep.'20)	311.65
	Kerala							
22	Pallivasal 2x30 = 60 MW KSEB	1 2	30 30	2010-11 2010-11 (Mar'11)	2023-24 2023-24 (June,23)	147	550.00 (2018)	485.54

23	Thottiyar (1x30+1x10)= 40MW KSEB	1	30	2012-13	2023-24 } 2023-24 } (June,23)	134	280 (2018)	143.14
		2	10	2012-13 (Apr'12)				
24	Mankulam (2x20)= 40MW KSEB	1	20	2026-27	2026-27 2026-27 (May 26)	Nil	600 (08/22)	65
		2	20	2026-27 (May 26)				
	Madhya Pradesh							
25*	Maheshwar (10x40 = 400 MW) SMHPCL	1	40	2001-02	2027-28 (subject to re-start of works(Two years)	312	6793 (2016-17)	5443
		2	40	2001-02				
		3	40	2001-02				
		4	40	2001-02				
		5	40	2001-02				
		6	40	2001-02				
		7	40	2001-02				
		8	40	2001-02				
		9	40	2001-02				
		10	40	2001-02 (Mar'02)				
	Maharashtra							
26*	Koyna Left Bank PSS 2x40 = 80 MW WRD, Maha	1	40	2014-15	2027-28 (subject to re-start of works (4 years)	161	379.78 (2014)	165.39
		2	40	2014-15 (Oct'14)				
	Punjab							
27	Shahpurkandi 3x33+3x33+1x8 =206 MW, Irrigation Deptt. &PSPCL	1	33	2015-16	2024-25 } 2024-25 } 2024-25 } 2024-25 } 2024-25 } 2024-25 } 2024-25 } (Aug, 24)	101	2368.55 (02/2018) (Power Component)	2109.67
		2	33	2015-16				
		3	33	2015-16				
		4	33	2015-16				
		5	33	2015-16				
		6	33	2015-16				
		7	8	2015-16 (Mar,16)				

	Sikkim							
28	Teesta Stage VI (4x125 = 500 MW) Lanco Teesta Hydro Power Ltd. (LTHPL) (Project taken over by NHPC w.e.f. 08.03.2019)	1 2 3 4	125 125 125 125	2023-24 2023-24 2023-24 2023-24 (March'24)	2025-26 2025-26 2025-26 2025-26 (July,25)	16	5748.04 (07/2018)	2160.32
29*	Bhasmey (2x25.5 =51 MW) Gati Infrastructure	1 2	25.5 25.5	2012-13 2012-13 (Jun'12)	2027-28 2027-28 (subject to re-start of works (3 years))	189	746.01 (03/18)	353
30	Rangit-IV HE Project (3X40 = 120 MW) NHPC	1 2 3	40 40 40	2023-24 2023-24 2023-24 (March'24)	2024-25 2024-25 2024-25 (Aug'24)	5	938.29 (10/19)	461.41
31*	Rangit-II 2x33= 66 MW Sikkim Hydro Power Ltd.	1 2	33 33	2015-16 2015-16 (Apr'15)	2027-28 2027-28 (subject to re-start of works(2-½ years))	155	496.44 (2011-12)	126.83
32*	Panan 4x75= 300 MW Himagiri Hydro Energy Pvt. Ltd.	1 2 3 4	75 75 75 75	2018-19 2018-19 2018-19 2018-19	2028-29 2028-29 2028-29 2028-29 (subject to re-start of works(4-½ years))	120	2675.00 (2020)	156
	Tamil Nadu							
33	Kundah PSP (Phase-I, Phase-II & Phase-III) (4x125=500 MW) TANGEDCO	1 2 3 4	125 125 125 125	2021-22 2021-22 2021-22 2021-22 (Aug,21)	2024-25 2024-25 2024-25 2024-25 (Dec,24)	40	3401 (2014)	1004.23
	Uttartakhand							
34*	Lata Tapovan (3x57 = 171 MW) NTPC	1 2 3	57 57 57	2017-18 2017-18 2017-18 (Aug'17)	2028-29 2028-29 2028-29 (subject to re-start of works(4 years))	139	1527.00 (07/12)	149.93

35	Tapovan Vishnughad (4x130 = 520 MW) NTPC	1	130	2012-13	2024-25 2024-25 2024-25 2024-25 (Dec'24)	141	7700 (09/22)	5722.77
		2	130	2012-13				
		3	130	2012-13				
		4	130	2012-13 (Mar'13)				
36	Tehri PSS (4x250 = 1000 MW) THDC	1	250	2015-16	2022-23 2023-24 2023-24 2023-24 (Dec'23)	94	6439.60 (10/22)	5203.32
		2	250	2015-16				
		3	250	2015-16				
		4	250	2015-16 (Feb'16)				
37	Naitwar Mori (2x30 = 60 MW) SJVNL	1	30	2021-22	2023-24 2023-24 (May'-23)	17	1272.29	1190.26
		2	30	2021-22 (Dec'21)				
38	Vishnughad Pipalkoti (4x111 = 444 MW) THDC	1	111	2013-14	2024-25 2024-25 2024-25 2024-25 (Mar'25)	141	3860.35 (02/19)	2912.40
		2	111	2013-14				
		3	111	2013-14				
		4	111	2013-14 (Jun'13)				
39	Lakhwar Multipurpose project (3x100=300 MW) UJVNL	1	100	2028-29	2028-29 2028-29 2028-29 (Nov. 28)	Nil	1074.16-Power component (07/18)	
		2	100	2028-29				
		3	100	2028-29 (Nov. 28)				
40*	Phata Byung (2x38 = 76 MW), LANCO	1	38	2012-13	2025-26 2025-26 (subject to re-start of works(3 years))	165	1132 (09/16)	1263
		2	38	2012-13 (Jun'12)				
West Bengal								
41	Rammam-III (3x40= 120 MW)	1	40	2019-20	2026-27 2026-27 2026-27 (Sept,26)	84	1381.84 (09/14)	851.78
		2	40	2019-20				
		3	40	2019-20 (Sep'19)				

* Construction is held-up.

ANNEXURE REFERRED IN REPLY TO PARTS (a) TO (c) OF UNSTARRED QUESTION NO. 3898 ANSWERED IN THE LOK SABHA ON 23.03.2023

Details of time overrun of under construction Thermal Power Projects

As on 28-02-2023

Sl. No.	Project's name / Developer	STATE	UNIT	CAPACITY (MW)	ORIGINAL TRIAL RUN DATE	ANTICIPATED TRIAL RUN DATE	TIME OVER-RUN	LATEST ESTIMATED COST (Cr)	Total Exp. incurred (Cr)
1	Dr. Narla Tata Rao TPS St-V (APGENCO)	Andhra Pradesh	U-1	800	Apr-19	Jun-23	4 yr, 1 mth	7586.67	7533.14
2	Barh STPP-I (NTPC)	Bihar	U-2	660	Dec-10	Mar-23	12 yr, 3 mth	21312.11	20675.7
			U-3	660	Oct-11	Jun-24	12 yr, 8 mth		
3	Buxar TPP (SJVN)	Bihar	U-1	660	May-23	Dec-23	0 yr, 6 mth	10439.09	7197.06
			U-2	660	Sep-23	Mar-24	0 yr, 5 mth		
4	North Karanpura STPP (NTPC)	Jharkhand	U-2	660	Dec-18	Nov-23	4 yr, 11 mth	15389.42	14084
			U-3	660	Jun-19	Jun-24	5 yr, 0 mth		
5	Patratu STPP (PVUNL)	Jharkhand	U-1	800	Jan-22	Jul-24	2 yr, 6 mth	18668	10316.95
			U-2	800	Jul-22	Dec-24	2 yr, 5 mth		
			U-3	800	Jan-23	Mar-25	2 yr, 2 mth		
6	Bhusawal TPS (MAHAGENCO)	Maharashtra	U-6	660	May-22	Jul-23	1 yr, 1 mth	4550.97	4017.46
7	Talcher TPP, St-III (NTPC)	Odisha	U-1	660	Nov-26	Nov-26	0 yr, 0 mth	11843.75	321.27
			U-2	660	May-27	May-27	0 yr, 0 mth		
8	Telangana STPP St- I (NTPC)	Telangana	U-1	800	May-20	Mar-23	2 yr, 10 mth	10997.7	10076.8
			U-2	800	Nov-20	Jun-23	2 yr, 7 mth		
9	Ennore SCTPP (TANGEDCO)	Tamil Nadu	U-1	660	Nov-17	Jul-24	6 yr, 7 mth	9800	5982.12
			U-2	660	Jan-18	Sep-24	6 yr, 7 mth		
10	North Chennai TPP St-III (TANGEDCO)	Tamil Nadu	U-1	800	Apr-19	Sep-23	4 yr,4 mth	8722.86	7700.67
11	Udangudi STPP Stage I (TANGEDCO)	Tamil Nadu	U-1	660	Jan-21	Mar-24	3 yr, 2 mth	13076.705	7494.635
			U-2	660	Mar-21	Jun-24	3 yr, 3 mth		
12	Yadadri TPS (TSGENCO)	Telangana	U-1	800	Oct-21	Dec-23	2 yr, 2 mth	29965.48	20046.17
			U-2	800	Oct-21	Dec-23	2 yr, 2 mth		
			U-3	800	Jun-22	Sep-24	2 yr, 3 mth		
			U-4	800	Jun-22	Aug-24	2 yr, 2 mth		
			U-5	800	Oct-22	Nov-24	2 yr, 1 mth		
13	Ghatampur TPP (NUPPL)	Uttar Pradesh	U-1	660	May-20	Jul-23	3 yr, 1 mth	17237.8	14730.45
			U-2	660	Nov-20	Oct-23	2 yr, 10 mth		
			U-3	660	May-21	Dec-23	2 yr, 6 mth		
14	Khurja SCTPP (THDC)	Uttar Pradesh	U-1	660	Jul-23	Feb-24	0 yr, 7 mth	11089.42	6413.56
			U-2	660	Jan-24	Aug-24	0 yr, 7 mth		
15	Jawaharpur STPP (UPRVUNL)	Uttar Pradesh	U-1	660	Dec-20	Jun-23	2 yr, 5 mth	10566.27	9838.12
			U-2	660	Apr-21	Dec-23	2 yr, 7 mth		
16	Obra-C STPP (UPRVUNL)	Uttar Pradesh	U-1	660	Dec-20	Jun-23	2 yr, 5 mth	10416	8358.09
			U-2	660	Apr-21	Jan-24	2 yr, 8 mth		
17	Panki TPS Extn. (UPRVUNL)	Uttar Pradesh	U-1	660	Sep-21	Jan-24	2 yr, 3 mth	5816.7	4563.57
18	Sagardighi Thermal Power Plant Ph-III (WBPDC)	West Bengal	U-1	660	Jan-24	Sep-24	0 yr, 8 mth	4567.316	1233.66
