

GOVERNMENT OF INDIA  
MINISTRY OF POWER  
**RAJYA SABHA**  
**UNSTARRED QUESTION NO.1119**  
ANSWERED ON 26.07.2022

**ONGOING POWER PROJECTS IN THE COUNTRY**

**1119 DR. L. HANUMANTHAIAH:**

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

- (a) the details of ongoing power projects along with the power produced by them in the country, State-wise;
- (b) the funds sanctioned, allocated and utilized under these projects during the financial year 2021-22 and the current year;
- (c) whether some of the projects are facing huge cost/time overrun; and
- (d) if so, the details thereof and the reasons therefor, along with the action taken by Government for timely completion of these projects in future without cost overrun?

**A N S W E R**

THE MINISTER OF POWER AND NEW & RENEWABLE ENERGY

(SHRI R.K. SINGH)

**(a) to (d) :** As per Section 7 of the Electricity Act, 2003, "any generating company may establish, operate and maintain a generating station without obtaining a license/permission under this Act, if it complies with the technical standards relating to connectivity with the grid. Accordingly, sanction of the Government is not required for setting up of thermal power projects". At present 20 Thermal Power Projects aggregating to 27,550 MW are under active construction in the country. The details of funds sanctioned, allocated & utilised under these projects during the last three years and the current year, along with details of time overrun are given at **Annexure-I**.

At present 27 Hydro Electric Projects (HEPs) (above 25 MW) aggregating to 12,867.50 MW are under active construction in the country. The details of funds sanctioned, allocated & utilised, during the Financial Year 2021-22 and the current year, along with details of time overrun in respect of the under-construction Hydro-electric projects are given at **Annexure-II**.

These projects are under construction, so no generation is taking place in these power projects.

.....2.

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
- Delay in getting coal mines, coal linkages
- Geological surprises (in case of hydro projects)

The following action/steps are taken by the Ministry of Power (MoP)/ Central Electricity Authority (CEA) to ensure timely completion of Power Projects:

- MoP/ CEA monitor the progress of under-construction power projects through frequent 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.
- Regular reviews are also undertaken in MoP to identify the constraint areas to facilitate faster resolution of inter-Ministerial and other outstanding Issues.
- In case of Central Power Sector Undertakings (CPSUs) projects, the project implementation parameters/ milestones are incorporated in the annual MoU signed between respective CPSUs and Ministry of Power and the same are monitored during the quarterly performance review meetings of CPSUs and other meetings held in MoP/CEA.
- Various matters related with project implementation are being taken up with State Government/District Administration for facilitating the support in resolving the issues to the project implementing agencies.
- Matters are taken up with State Government/District Administration for extending help to the project implementing agencies in resolving Right of Way (ROW) issues.

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## ANNEXURE-I

## ANNEXURE REFERRED TO IN REPLY TO PARTS (a) TO (d) OF UNSTARRED QUESTION NO. 1119 ANSWERED IN THE RAJYA SABHA ON 26.07.2022

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## Details of Expenditure Incurred, Time &amp; Cost Over run in Under construction Thermal Power Projects in the country

Sl. No.	Project Name	Implementing Agency	Unit No	Capacity (MW)	Time			Cost				EXPENDITURE	
					Original date of Trial Run	Anticipated Date of Trial Run	Time over run	Original Cost	Latest Cost (cr)	Cost Over-run (%)	Cost Overrun (Rs.in crores)	EXPENDITURE DURING 2021-22	EXPENDITURE DURING 2022-23 (Upto May 22)
<b>Andhra Pradesh</b>													
1	Dr. Narla Tata Rao TPS St-V	APGENCO	U-1	800	Apr-19	Sep-22	3 Years, 5 Months	5286.54	7586.67	43.51%	2300.13	769.5	104.08
2	Sri Damodaram Sanjeevaiah TPP St-II	APPDCL (JV of APGENCO & ILFS)	U-1	800	Jun-19	Oct-22	3 Years, 4 Months	4276.03	8069.87	88.72%	3793.84	920.53	72.24
<b>Bihar</b>													
3	Barh STPP-I	NTPC	U-2	660	Dec-10	Dec-22	12 Years, 0 Months	8693	21312.1	145.16%	12619.1	1185.00	122.00
			U-3	660	Oct-11	Dec-23	12 Years, 2 Months						
4	Buxar TPP	SJVN	U-1	660	May-23	Jun-23	0 Years, 1 Months	10439.09	10439.09	0.00%	0	2691.06	545.00
			U-2	660	Sep-23	Jan-24	0 Years, 4 Months						
<b>Jharkhand</b>													
5	North Karanpura STPP	NTPC	U-1	660	Oct-22	Oct-22	0 Years, 0 Months	14367	15389.42	7.12%	1022.42	1051.00	107.00
			U-2	660	May-23	May-23	0 Years, 0 Months						
			U-3	660	Jan-24	Jan-24	0 Years, 0 Months						
6	Patraru STPP	PVUNL( JV of NTPC & Jharkhand Bidyut Vitran Nigam Ltd.)	U-1	800	Jun-24	Jun-24	0 Years, 0 Months	17112	18668	9.09%	1556	1846.48	215.97
			U-2	800	Dec-24	Dec-24	0 Years, 0 Months						
			U-3	800	Jun-25	Jun-25	0 Years, 0 Months						
<b>Karnataka</b>													
7	Yelahanka CCPP	KPCL	GT+ST	370	Feb-18	Jan-23	4 Years, 11 Months	1571.18	2243.34	42.78%	672.16	253.8	2.74
<b>Maharashtra</b>													
8	Bhusawal TPS	MAHAGENCO	U-6	660	May-22	Jun-23	1 Years, 1 Months	4548	4550.97	0.07%	2.97	1173.8	86.2

<b>Tamil Nadu</b>													
9	Ennore SCTPP	TANGEDCO	U-1	660	Nov-17	Mar-24	6 Years, 4 Months	9800	9800	0.00%	0	260.14	16.99
			U-2	660	Jan-18	Apr-24	6 Years, 3 Months						
10	North Chennai TPP St-III	TANGEDCO	U-1	800	Apr-19	Oct-22	3 Years, 6 Months	6376	8722.86	36.81%	2346.86	760.29	25.34
11	Uppur Super Critical TPP	TANGEDCO	U-1	800	Nov-19	On hold *	On hold	12778	12778	0.00%	0	47.08	0
			U-2	800	Nov-19	On hold *	On hold						
12	Udangudi STPP Stage I	TANGEDCO	U-1	660	Jan-21	Mar-24	3 Years, 2 Months	13076.705	13076.71	0.00%	0	1711.14	178.41
			U-2	660	Mar-21	Jun-24	3 Years, 3 Months						
<b>Telangana</b>													
13	Telangana STPP St- I	NTPC	U-1	800	May-20	Aug-22	2 Years, 3 Months	10599	10997.7	3.76%	398.7	828.00	98.00
			U-2	800	Nov-20	Feb-23	2 Years, 3 Months						
14	Yadadri TPS	TSGENCO	U-1	800	Oct-20	Apr-23	2 Years, 6 Months	25099.42	29965.48	19.39%	4866.06	3582.33	523.24
			U-2	800	Oct-20	Aug-23	2 Years, 10 Months						
			U-3	800	Jun-21	Dec-23	2 Years, 6 Months						
			U-4	800	Jun-21	Apr-24	2 Years, 10 Months						
			U-5	800	Oct-21	Aug-24	2 Years, 10 Months						
<b>Uttar Pradesh</b>													
15	Ghatampur TPP	NUPPL (JV of NLC and UPRVUNL)	U-1	660	May-20	Aug-22	2 Years, 3 Months	17237.8	17237.8	0.00%	0	1883.23	352.31
			U-2	660	Nov-20	Feb-23	2 Years, 3 Months						
			U-3	660	May-21	Jun-23	2 Years, 1 Months						
16	Khurja SCTPP	THDC	U-1	660	Jul-23	Jan-24	0 Years, 6 Months	11089.42	11089.42	0.00%	0	1877.46	358.05
			U-2	660	Jan-24	Jul-24	0 Years, 6 Months						
17	Jawaharpur STPP	UPRVUNL	U-1	660	Dec-20	Apr-23	2 Years, 4 Months	8078.56	10566.27	30.79%	2487.71	2224.36	188.72
			U-2	660	Apr-21	Oct-23	2 Years, 6 Months						
18	Obra-C STPP	UPRVUNL	U-1	660	Dec-20	Oct-22	1 Years, 10 Months	8777.71	10416	18.66%	1638.29	1826.42	104.53
			U-2	660	Apr-21	May-23	2 Years, 1 Months						
19	Panki TPS Extn.	UPRVUNL	U-1	660	Sep-21	May-23	1 Years, 8 Months	5816.7	5816.7	0	0	951.81	373.4
<b>West Bengal</b>													
20	Sagardighi Thermal Power Plant Ph-III	WBPDC	U-1	660	Jan-24	Apr-24	0 Years, 3 Months	3862.65	4567.32	18.24%	704.67	330.97	65.82
	<b>Total</b>			<b>27550</b>									

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## ANNEXURE REFERRED TO IN REPLY TO PARTS (a) TO (d) OF UNSTARRED QUESTION NO. 1119 ANSWERED IN THE RAJYA SABHA ON 26.07.2022

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**DETAILS OF UNDER CONSTRUCTION HYDRO ELECTRIC PROJECTS (ABOVE 25 MW)**

Sl. No	Project Name/(I.C.)/ Executing Agency	Unit No.	Cap. (MW)	Org. Comm. Sched.	Ant. Comm. Sched.	Time over run (months)	Org. Cost (Rs. in Crores) (Price Level)	Latest/Ant. Cost (Rs. in Crores) (Price Level)	Cost over run (Rs. in Crores) (%)	EXPENDI- TUE DURING 2021-22 (in Crs.)	EXPENDITURE DURING 2022-23 (Upto June 22) (in Crs.)
1	2	4	5	6	7	8	9	10	11	12	13
<b>Andhra Pradesh</b>											
1	Polavaram (12x80 = 960 MW) APGENCO / Irr. Deptt., A.P.	1 2 3 4 5 6 7 8 9 10 11 12	80 80 80 80 80 80 80 80 80 80 80 80	2016-17 2016-17 2016-17 2016-17 2016-17 2016-17 2017-18 2017-18 2017-18 2017-18 2017-18 2017-18	2024-25 2024-25 2024-25 2024-25 2024-25 2024-25 2025-26 2025-26 2025-26 2025-26 2025-26 2025-26	96	3013.68 (2010-11 PL) (Power Component)	5338.95 (2016-17 PL) (Power Component)	2325.27 (77.15)	200.35	25.59
2	Pinnapuram (4x240+2x120 MW) M/s Greenko	1 2 3 4 5 6	240 240 240 240 120 120	2024-25 2024-25 2024-25 2024-25 2024-25 2024-25 (Mar'25)	2024-25 2024-25 2024-25 2024-25 2024-25 2024-25 (Mar'25)	Nil	6465.22 (Feb'2021 PL)	6465.22 (Feb'2021 PL)	Nil	Initial stage of construction	Initial stage of construction
<b>Arunachal Pradesh</b>											
3	Subansiri Lower (8x250 = 2000 MW) NHPC	1 2 3 4 5 6 7 8	250 250 250 250 250 250 250 250	2009-11 2009-11 2009-11 2009-11 2009-11 2009-11 2009-11 2009-11 (Sep'10)	2022-23 2022-23 2023-24 2023-24 2023-24 2023-24 2023-24 2023-24 (Mar'24)	162	6285.33 (12/02)	19992.43 (04/17)	13707.10 (218.08)	2151.73	456.54
<b>Assam</b>											

Sl. No	Project Name/(I.C.)/ Executing Agency	Unit No.	Cap. (MW)	Org. Comm. Sched.	Ant. Comm. Sched.	Time over run (months)	Org. Cost (Rs. in Crores) (Price Level)	Latest/Ant. Cost (Rs. in Crores) (Price Level)	Cost over run (Rs. in Crores) (%)	EXPENDI- TUE DURING 2021-22 (in Crs.)	EXPENDITURE DURING 2022-23 (Upto June 22) (in Crs.)
1	2	4	5	6	7	8	9	10	11	12	13
4	Lower Kopili (2x55+2x2.5+1x5 =120MW)	1 2 3 4 5	55 55 5 2.5 2.5	2024-25 2024-25 2024-25 2024-25 2024-25 (Jun'24)	2024-25 2024-25 2024-25 2024-25 2024-25 (Jun'24)	NIL	1115.91 (01/15)	1795 (2021)	679.09 (60.86)	26.64	0
<b>Himachal Pradesh</b>											
5	Parbati - II (4x200 = 800 MW) NHPC	1 2 3 4	200 200 200 200	2009-10 2009-10 2009-10 2009-10 (Sept'09)	2023-24 2023-24 2023-24 2023-24 (Sep,23)	168	3919.59 (12/01)	9897.59 (04/18)	5978 (152.51)	770.79	219.58
6	Uhl-III (3x33.33 = 100 MW) BVPCL	1 2 3	33.33 33.33 33.33	2006-07 2006-07 2006-07 (Mar'07)	2022-23 2022-23 2022-23 (Dec,23)	201	431.56 (09/02)	2400 (2022)	1968.44 (456.12)	181.28	27.7
7	ShongtomKarcham (3x150 = 450 MW) HPPCL	1 2 3	150 150 150	2016-17 2016-17 2016-17 (Mar'17)	2024-25 2024-25 2024-25 (Mar,25)	96	2807.83 (07/11)	2807.83 (07/11)	#	162.70	30.64
8	Tidong-I (2x50 =100 MW) Statkraft India Pvt. Ltd.	1 2	50 50	2013-14 2013-14 (Dec'13)	2022-23 2023-24 (Apr 23)	112	543.15 (06/18)	1472.00	928.85 (171.01)	263.00	67.00
9	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	1798.13 (09/2011)	2879 (09/2011)	1080.87 (60.11)	375.28	100.38
10	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	1912.59 (2017)	1912.59 (2017)	NIL	222.54	121.58

Sl. No	Project Name/(I.C.)/ Executing Agency	Unit No.	Cap. (MW)	Org. Comm. Sched.	Ant. Comm. Sched.	Time over run (months)	Org. Cost (Rs. in Crores) (Price Level)	Latest/Ant. Cost (Rs. in Crores) (Price Level)	Cost over run (Rs. in Crores) (%)	EXPENDITUE DURING 2021-22 (in Crs.)	EXPENDITURE DURING 2022-23 (Upto June 22) (in Crs.)
11	Dhualasidh (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)	687.97 (05/2020)	NIL	85.09	40.58
	<b>Govt. of UT of J&amp;K</b>										
12	PakalDul (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)	8112.12 (03/13)	#	542.41	114.12
13	Parnai 3x12.5= 37.5 MW JKSPDC	1 2 3	12.5 12.5 12.5	2017-18 2017-18 2017-18 (Jan'18)	2023-24 2023-24 2023-24 (Dec,23)	} 71	640.86 (Completion cost)	640.86 (Completion cost)	#	31.61	4.315
14	Kiru (4x156=624 MW) CVPPL	1 2 3 4	156 156 156 156	2023-24 2023-24 2023-24 2023-24 (Aug,23)	2024-25 2024-25 2024-25 2024-25 (Aug,24)	} 12	4287.59 (07/18)	4287.59 (07/18)	Nil	273.87	44.17
15	Ratle (4x205+1x30) = 850 MW RHPPL / NHPC	1 2 3 4 5	205 205 205 205 30	2017-18 2017-18 2017-18 2017-18 2017-18 (Jan,18)	2025-26 2025-26 2025-26 2025-26 2025-26 (Feb'26)	} 97	5517.02 (Completion Cost)	5517.02 (11/18)	Nil	137.7	12.31
16	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)	4526.12 (Sep.'20) 4526.12 (Sep.'20)	Nil	21.45	7.34

Sl. No	Project Name/(I.C.)/ Executing Agency	Unit No.	Cap. (MW)	Org. Comm. Sched.	Ant. Comm. Sched.	Time over run (months)	Org. Cost (Rs. in Crores) (Price Level)	Latest/Ant. Cost (Rs. in Crores) (Price Level)	Cost over run (Rs. in Crores) (%)	EXPENDITUE DURING 2021-22 (in Crs.)	EXPENDITURE DURING 2022-23 (Upto June 22) (in Crs.)
	<b>Kerala</b>										
17	Pallivasal 2x30 = 60 MW KSEB	1 2	30 30	2010-11 2010-11 (Mar'11)	2022-23 2022-23 (Mar.23)	144	222 (1999)	550.00 (2018)	328 (147.74)	41.845	10.77
18	Thottiyar (1x30+1x10)= 40MW KSEB	1 2	30 10	2012-13 2012-13 (Apr'12)	2022-23 2022-23 (Mar.23)	131	136.79 (2007)	280 (2018)	143.21 (104.69)	19.07	7.392
	<b>Punjab</b>										
19	Shahpurkandi 3x33+3x33+1x8 =206 MW, Irrigation Deptt. &PSPCL	1 2 3 4 5 6 7	33 33 33 33 33 33 8	2015-16 2015-16 2015-16 2015-16 2015-16 2015-16 2015-16 (March, 16	2024-25 2024-25 2024-25 2024-25 2024-25 2024-25 2024-25 (Aug, 24)	101  101	1835.50 (04/08) (Power Component)	1938.74 (02/18) (Power Component)	103.24 (5.62)	257.12	29.88
	<b>Sikkim</b>										
20	Teesta Stage VI (4x125 = 500 MW) NHPC	1 2 3 4	125 125 125 125	2012-13 2012-13 2012-13 2012-13 (Jul'12)	2023-24 2023-24 2023-24 2023-24 (Mar,24)	140	3283.08 (Completion Cost)	5748.04 (07/2018)	2464.96 (75.08)	445	155.57
21	Rangit-IV HE Project (3X40 = 120 MW) NHPC	1 2 3	40 40 40	2011-12 2011-12 2011-12 (Jan'12)	2024-25 2024-25 2024-25 (May'24)	148	737.28 (Completion Cost)	938.29 (10/19)	204.01 (27.78)	116.49	62.09
	<b>Tamil Nadu</b>										
22	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)	2023-24 2023-24 2023-24 2023-24 (Mar,24)	31	1216.59 (2007-08)	1831.29 (2014)	614.7 (50.52)	136.23	131.44

Sl. No	Project Name/(I.C.)/ Executing Agency	Unit No.	Cap. (MW)	Org. Comm. Sched.	Ant. Comm. Sched.	Time over run (months)	Org. Cost (Rs. in Crores) (Price Level)	Latest/Ant. Cost (Rs. in Crores) (Price Level)	Cost over run (Rs. in Crores) (%)	EXPENDITUE DURING 2021-22 (in Crs.)	EXPENDITURE DURING 2022-23 (Upto June 22) (in Crs.)
	<b>Uttarakhand</b>										
23	Tapovan Vishnughad (4x130 = 520 MW) NTPC	1 2 3 4	130 130 130 130	2012-13 2012-13 2012-13 2012-13 (Mar'13)	2024-25 2024-25 2024-25 2024-25 (Jun'24)	135	2978.48 (03/04)	5867.38 (04/19)	2888.90 (96.99)	366.56	150.59
24	Tehri PSS (4x250 = 1000 MW) THDC	1 2 3 4	250 250 250 250	2010-11 2010-11 2010-11 2010-11 (July'10)	2022-23 2023-24 2023-24 2023-24 (Jun'23)	155	1657.60 (12/05)	4825.60 (02/19)	3168 (191.12)	562.35	121.19
25	Naitwar Mori (2x30 = 60 MW) SJVNL	1 2	30 30	2021-22 2021-22 (Dec'21)	2022-23 2022-23 (Jan'-23)	13	648.33 (10/2016)	947.89 (12/2020)	299.56 (46.20)	301	88.56
26	Vishnugad Pipalkoti (4x111 = 444 MW) THDC	1 2 3 4	111 111 111 111	2013-14 2013-14 2013-14 2013-14 (Jun'13)	2024-25 2024-25 2024-25 2024-25 (Mar'25)	141	2491.58 (03/08)	3860.35 (02/19)	1368.77 (54.93)	261.37	104.71
	<b>West Bengal</b>										
27	Rammam-III (3x40= 120 MW)	1 2 3	40 40 40	2019-20 2019-20 2019-20 (Sep'19)	2024-25 2024-25 2024-25 (Dec,24)	63	1381.84 (09/14)	1381.84 (09/14)	#	100.47	13.17

**Note:-** It is to mention that cost overrun has been calculated as the difference between the Latest Cost (provided by the developer to CEA alongwith the Price Level) and the Original Cost approved by the Central Government / State Government. In most of the cases the Latest cost at the current Price Level has not been provided by the developers.

# Cost overrun could not be calculated due to non-availability of latest cost.

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