

**GOVERNMENT OF INDIA
MINISTRY OF POWER**

**LOK SABHA
UNSTARRED QUESTION NO.3728
TO BE ANSWERED ON 18.03.2021**

LOSSES TO ELECTRICITY BOARDS

†3728. SHRI PRATAPRAO JADHAV:

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

- (a) the annual losses to the electricity boards during the last three years and the current year, State-wise;**
- (b) the current consumption of electricity along with the quantity of electricity produced by them from their own sources, State-wise;**
- (c) the source from where remaining electricity is supplied to the said States; and**
- (d) the efforts being made by the State Governments to attain self-reliance in electricity production along with the contribution made by the Union Government?**

A N S W E R

THE MINISTER OF STATE (INDEPENDENT CHARGE) FOR POWER, NEW & RENEWABLE ENERGY AND THE MINISTER OF STATE FOR SKILL DEVELOPMENT & ENTREPRENEURSHIP

(SHRI R.K. SINGH)

(a): Based on the information available in the 'Report on Performance of State Power Utilities' published by Power Finance Corporation (PFC), the State-wise Profit & Loss of Distribution Utilities in India for the years 2016-17 to 2018-19 is attached as Annexure-I.

(b): There is adequate availability of electricity in the country. Against a peak demand of 189.395 GW achieved so far, the installed capacity of Generation in the country is 379 GW. The State/UT-wise current status of electricity supplied and States' own generation from conventional fuel sources (Thermal & Hydro) of 25 MW & above in the current financial year until February, 2021 is attached as Annexure-II.

(c) : States/ UTs meet their respective energy requirement from various sources such as their own generation, share from Inter State Generating Stations which also includes Central Generating Stations, Independent Power Producers (IPPs), Joint Ventures, procuring power from other States/ bilateral and through Power Exchanges etc. Since India now has seamless connectivity through one integrated grid, power flow across States and regions is possible under Long Term, Medium Term or Short Term contracts.

(d) : Electricity is a concurrent subject. Development of electricity sector is the joint responsibility of Central and State Governments. Government of India supplements the efforts of the State Governments by setting up power plants through Central Public Sector Undertakings in which all the States of the region are allotted share.

Presently, 12 Thermal Power Projects totaling to capacity of 15860 MW in the Central Sector and 16 Thermal Power Projects totaling to capacity of 17490 MW in the State Sector are under construction in the country. The list of these Thermal Power Projects is enclosed as Annexure-III.

Further, 36 nos. Hydro Electric Projects (above 25 MW) totaling to capacity of 12673.5 MW are under development in the country out of which 23 Hydro Electric Projects (8987.5 MW) are under active construction. The state-wise list of these projects is enclosed as Annexure-IV.

The details of under construction Central-sector Nuclear Power Projects in different States are as under:

Sl. NO.	Project Name	State	Unit	Size (MW)
1	Prototype Fast Breeder Reactor	Tamil Nadu	Unit-1	1500
2	Kudankulam Nuclear Power Project	Tamil Nadu	Unit-3, 4	2000
3	Kakrapar Atomic Power Project	Gujarat	Unit-3, 4	1400
4	Rajasthan Atomic Power Project	Rajasthan	Unit-7,8	1400
	TOTAL			5300

ANNEXURE-I**ANNEXURE REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION
NO. 3728 TO BE ANSWERED IN THE LOK SABHA ON 18.03.2021**

Profit/(Loss) on accrual basis (PAT)				
				Rs. crore
Sl. No.	State	2016-17	2017-18	2018-19
1	Andhra Pradesh	(2,282)	(2)	(11,934)
2	Arunachal Pradesh	(324)	(429)	(428)
3	Assam	(34)	165	21
4	Bihar	(1,257)	(2,650)	(2,409)
5	Chhattisgarh	(422)	(279)	(42)
6	Delhi	404	491	799
7	Goa	(283)	26	(172)
8	Gujarat	275	426	184
9	Haryana	(193)	412	281
10	Himachal Pradesh	(111)	4	4
11	Jammu & Kashmir	(4,063)	(2,999)	(2,902)
12	Jharkhand	(1,741)	(212)	(751)
13	Karnataka	(1,119)	(522)	970
14	Kerala	(1,495)	(784)	(290)
15	Madhya Pradesh	(1,470)	(5,284)	(7,159)
16	Maharashtra	785	492	1,097
17	Manipur	(15)	(8)	(19)
18	Meghalaya	(343)	(287)	(203)
19	Mizoram	(147)	87	(83)
20	Nagaland	(62)	(62)	(325)
21	Odisha	(913)	(792)	(1,539)
22	Puducherry	(8)	6	(36)
23	Punjab	(2,836)	(907)	(38)
24	Rajasthan	(1,981)	2,173	2,607
25	Sikkim	(115)	(29)	(3)
26	Tamil Nadu	(4,349)	(7,761)	(12,623)
27	Telangana	(6,202)	(5,485)	(8,019)
28	Tripura	40	28	21
29	Uttar Pradesh	(3,322)	(5,002)	(6,032)
30	Uttarakhand	(289)	(229)	(553)
31	West Bengal	(25)	(40)	(45)
	Grand Total	(33,894)	(29,452)	(49,623)

**ANNEXURE REFERRED TO IN REPLY TO PART (b) OF UNSTARRED QUESTION
NO. 3728 TO BE ANSWERED IN THE LOK SABHA ON 18.03.2021**

State-wise/ UT-wise			
Sl. No.	State	Generation(in MU) from conventional fuel sources(Thermal & Hydro) of 25 MW & above utility by State Sector during 2020-21 (upto Feb, 2021)	Energy Supplied (in MU) during 2020-21 (upto Feb, 2021)
1	DELHI	4789.00	27458
2	HARYANA	4425.26	49086
3	HIMACHAL PRADESH	2402.44	9158
4	JAMMU AND KASHMIR & LADAKH	4722.53	15666
5	PUNJAB	5096.63	54357
6	RAJASTHAN	26065.69	77968
7	UTTAR PRADESH	24854.85	113596
8	UTTARAKHAND	4309.94	12652
9	CHHATTISGARH	17274.76	27693
10	GUJARAT	25848.72	100668
11	GOA	-	3608
12	MADHYA PRADESH	21007.6	76346
13	MAHARASHTRA	44081.4	135082
14	ANDHRA PRADESH	18903.91	55496
15	KARNATAKA	19861.51	60918
16	KERALA	5966.59	22561
17	PUDUCHERRY	202.76	2387
18	TAMIL NADU	20246.69	90880
19	TELANGANA	28464.32	58713
20	ANDAMAN NICOBAR	113.9	296
21	BIHAR	-	31094
22	JHARKHAND	2083.84	8773
23	ODISHA	14161.81	26816
24	SIKKIM	5880.9	493
25	WEST BENGAL	25132.79	46517
26	ARUNACHAL PRADESH	-	644
27	ASSAM	1219.31	9018
28	MANIPUR	-	882
29	MEGHALAYA	1119.09	1834
30	MIZORAM	-	666
31	NAGALAND	-	760
32	TRIPURA	485.88	1368

**ANNEXURE REFERRED TO IN REPLY TO PART (d) OF UNSTARRED QUESTION
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**THERMAL POWER PROJECTS UNDER CONSTRUCTION IN CENTRAL & STATE
SECTOR IN THE COUNTRY**

Sl. No.	State	District	Project Name	Unit No/Cap.	Total Cap. (MW)
CENTRAL SECTOR					
1	<i>Bihar</i>	<i>Patna</i>	Barh STPP-I	3x660	1980
2	<i>Bihar</i>	<i>Aurangabad</i>	Nabi Nagar TPP	1x250	250
3	<i>Bihar</i>	<i>Aurangabad</i>	New Nabi Nagar TPP	2x660	1320
4	<i>Jharkhand</i>	<i>Chatra</i>	North Karanpura STPP	3x660	1980
5	<i>Odisha</i>	<i>Sundergarh,</i>	Darlipalli STPP	1x800	800
6	<i>Telangana</i>	<i>Karim Nagar</i>	Telangana STPP St- I	2x800	1600
7	<i>UP</i>	<i>Kanpur</i>	Tanda TPP St II	1x660	660
8	<i>UP</i>	<i>Kanpur</i>	Ghatampur TPP	3x660	1980
9	<i>Jharkand</i>	<i>Ramgarh</i>	Patratu STPP	3x800	2400
10	<i>Odisha</i>	<i>Angul</i>	Rourkela PP-II Expansion	1x250	250
11	<i>Uttar Pradesh</i>		Khurja SCTPP	2x660	1320
12	<i>Bihar</i>	<i>Buxar</i>	Buxar TPP	2x660	1320
TOTAL CENTRAL SECTOR					15860
STATE SECTOR					
1	<i>A.P</i>	<i>Krishna</i>	Dr.Narla Tata Rao TPS St-V	1x800	800
2	<i>A.P</i>	<i>SPSR Nellore</i>	Sri Damodaran Sanjeevaiah TPP St-II	1x800	800
3	<i>Rajasthan</i>	<i>Ganganagar</i>	Suratgarh SCTPP	1x660	660
4	<i>Telangana</i>	<i>Khammam</i>	Bhadradri TPP	2x270	540
5	<i>TN</i>	<i>Thiruvallur</i>	Ennore SCTPP	2x660	1320
6	<i>TN</i>	<i>Thiruvallur</i>	North Chennai TPP St- III	1x800	800
7	<i>TN</i>	<i>Ramnad</i>	Uppur Super Critical TPP	2x800	1600
8	<i>UP</i>	<i>Aligarh</i>	Harduaganj TPS Exp-II	1x660	660
9	<i>Karnataka</i>	<i>Bangalore</i>	Yelahanka CCPP	GT+ST	370
10	<i>UP</i>	<i>Etah</i>	Jawaharpur STPP	2x660	1320
11	<i>UP</i>	<i>Sonebhadra</i>	Obra-C STPP	2x660	1320
12	<i>Telangana</i>	<i>Nalgonda</i>	Yadadri TPS	5x800	4000
13	<i>UP</i>	<i>Kanpur</i>	Panki TPS Extn.	1x660	660
14	<i>TN</i>	<i>Thoothukudi</i>	Udangudi STPP Stage I	2x660	1320
15	<i>Maharashtra</i>	<i>Jalgaon</i>	Bhusawal TPS	1x660	660
16	<i>West bengal</i>		Sagardighi Thermal Power Plant Ph-III	1x660	660
Total State Sector					17490
Grand Total					33350

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List of Hydro Electric Projects (above 25 MW) under active construction							
Sl. No.	Name of Scheme (Executing Agency)	Sector	District	I.C. (No. X MW.)	Cap. Under Execution (MW)	River/Basin	Likely Commission- ing
Arunachal Pradesh							
1	Subansiri Lower (NHPC)	Central	Lower Subansiri	8x250	2000.00	Subansiri/ Brahmaputra	2023-24 (Aug'23)
Sub-total: Arunachal Pradesh					2000.00		
Himachal Pradesh							
2	Parbati St. II (NHPC)	Central	Kullu	4x200	800.00	Parbati/Beas/I ndus	2021-22 (Mar'22)
3	Luhri-I (SJVN)	Central	Kullu/ Shimla	2x80+2x25	210.00	Satluj/Indus	2025-26 (Feb'26)
4	Uhl-III (BVPCL)	State	Mandi	3x33.33	100.00	Uhl/Beas/ Indus	2022-23 (Dec'22)
5	Shongtong Karcham (HPPCL)	State	Kinnaur	3x150	450.00	Satluj/ Indus	2024-25 (Mar'25)
6	Bajoli Holi (GMR)	Private	Chamba	3x60	180.00	Ravi/ Indus	2021-22 (Dec'21)
7	Sorang (HSPCL)	Private	Kinnaur	2x50	100.00	Sorang/Satluj/ Indus	2021-22 (Dec'21)
8	Tidong-I (Statkraft IPL)	Private	Kinnaur	100.00	100.00	Tidong/Satluj/ Indus	2022-23 (Jun'22)
9	Kutehr (JSW Energy Ltd)	Private	Chamba	3x80	240.00	Ravi/ Indus	2025-26 (Nov'25)
Sub-total: Himachal Pradesh					2180.00		
Jammu & Kashmir							
10	Pakal Dul (CVPPL)	Central	Kishtwar	4x250	1000.00	Marusadar/ Chenab / Indus	2025-26 (July'25)
11	Parnai (JKSPDC)	State	Poonch	3x12.5	37.50	Jhelum/ Indus	2022-23 (Mar'23)
12	Kiru (CVPPL)	Central	Kishtwar	4x156	624.00	Chenab/ Indus	2024-25 (Aug.'24)
Sub-total: Jammu & Kashmir					1661.50		
Kerala							
13	Pallivasal (KSEB)	State	Idukki	2x30	60.00	Mudirapuzha/ Periyar/ Baypore Periyar/ WFR	2021-22 (Dec'21)
14	Thottiyar (KSEB)	State	Idukki	1x30+1x10	40.00	Thottiyar/ Periyar// Baypore Periyar/ WFR	2021-22 (Apr'21)
Sub-total: Kerala					100.00		
Punjab							
15	Shahpurkandi (PSPCL/ Irrigation Deptt., Pb.)	State	Gurdaspur	3x33+3x33+ 1x8	206.00	Ravi/ Indus	2023-24 (Dec'23)
Sub-total: Punjab					206.00		
Sikkim							
16	Teesta St. VI NHPC	Central	South Sikkim	4x125	500.00	Teesta/Brahm aputra	2023-24 (Mar'24)
17	Rongnichu (Madhya Bharat)	Private	East Sikkim	2x48	96.00	Rongnichu/ Teesta/ Brahmaputra	2020-21 (Mar'21)
Sub-total: Sikkim					596.00		

	Tamil Nadu						
18	Kundah Pumped Storage Phase-I,II&III)	State	Nilgiris	4x125	500.00	Kundah/Bhavani/ Cauvery/EFR	2023-24 (Apr'23)
	Sub-total: Tamil Nadu				500.00		
	Uttarakhand						
19	Tehri PSS (THDC)	Central	Tehri Garhwal	4x250	1000.00	Bhilangna/Bhagirathi/ Ganga	2022-23 (Dec'22)
20	Vishnugad Pipalkoti (THDC)	Central	Chamoli	4x111	444.00	Alaknanda/Ganga	2023-24 (Dec'23)
21	Naitwar Mori (SJVNL)	Central	Uttarkashi	2x30	60.00	Tons/Yamuna /Ganga	2021-22 (Dec-21)
22	Vyasi (UJVNL)	State	Dehradun	2x60	120.00	Yamuna/Ganga	2022-23 (Apr'22)
	Sub-total: Uttarakhand				1624.00		
	West Bengal						
23	Rammam-III (NTPC)	Central	Darjeeling	3x40	120.00	Rammam/ Rangit/Teesta Brahmaputra	2022-23 (Nov'22)
	Sub-total: West Bengal				120.00		
	Total:				8987.00		
