

**GOVERNMENT OF INDIA
MINISTRY OF POWER
LOK SABHA
UNSTARRED QUESTION NO.3037
ANSWERED ON 16.12.2021**

STATUS OF POWER INFRASTRUCTURE

3037. SHRIMATI SANGEETA KUMARI SINGH DEO:

SHRI BHOLA SINGH:

DR. JAYANTA KUMAR ROY:

SHRI RAJA AMARESHWARA NAIK:

SHRI VINOD KUMAR SONKAR:

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

- (a) whether the Government has set up District Level Committees to monitor all power related schemes;**
- (b) if so, the details thereof including objectives, composition and function, etc. of the said Committees;**
- (c) the details of the role of public representatives therein;**
- (d) the details of the Committee constituted, meetings held and its outcome, district-wise;**
- (e) whether Committees would also look at impact on the provision of power services to the people;**
- (f) if so, the details thereof;**
- (g) whether the Government has made any assessment of status of power infrastructure at district levels and if so, the details thereof; and**
- (h) the steps being taken by the Government to meet challenges in power system at district level?**

A N S W E R

THE MINISTER OF POWER AND NEW & RENEWABLE ENERGY

(SHRI R.K. SINGH)

(a) to (f) : Ministry of Power had issued an order dated 16.09.2021 for the setting up of District Level Committees which shall exercise oversight over all power related schemes of Government of India; as also their impact on the provision of services to the people.

The Composition of the Committee would be:

(a)	Senior most MP in the district	Chairperson
(b)	Other MPs in the district	Co-chairpersons
(c)	District Collector	Member Secretary
(d)	Chairperson/President of the District Panchayat	Member
(e)	MLAs of the district	Members
(f)	Senior most representative of CPSUs of Ministries of Power and NRE located in the concerned district, or their nominated officials for the district	Members
(g)	Chief Engineer/Superintending Engineer of the DISCOM/Power Department concerned	Convenor

The Committee will meet at District Headquarters at least once in three months to review and coordinate overall development of power supply infrastructure in the district in accordance with the schemes of the Government which may, inter-alia, include the following aspects:

- i. All Government of India Schemes (power related), including their progress and quality issues.**
- ii. Development of Sub-transmission and distribution network including regular operations and maintenance of network - identifying further areas where strengthening is needed.**
- iii. Impact of the works on quality and reliability of power supply.**
- iv. Standards of Performance and consumer services/ quality of supply.**
- v. Complaints and Grievance Redressal System.**
- vi. Any other relevant matter.**

It would be the responsibility of the Convenor and Member Secretary to conduct the meetings on regular basis and issue minutes of the meeting timely. States have been asked to notify and ensure establishment of these District Electricity Committees. So far, it is reported that the States of Uttar Pradesh, Jharkhand and Odisha have notified constitution of the Committees.

(g) & (h) : The primary responsibility for conducting any assessment of the status of power infrastructure including at District levels lies with the concerned State Governments/Power Distribution Companies (DISCOMs).

For supplementing the requirements of power infrastructure of States, Ministry of Power has notified the "Revamped Distribution Sector Scheme: (RDSS)" on 20.07.2021 with an outlay of Rs.3,03,758 Crore and an estimated Gross Budgetary Support (GBS) from Central Government of Rs.97,631 Crore. The Scheme seeks to improve the operational efficiency and financial sustainability of all Discoms/Power Departments excluding private Discoms by providing conditional financial assistance to Discoms for strengthening of supply infrastructure and for installation of Smart Meters in Pre-paid mode. The Scheme aims to reduce the AT&C losses to pan-India levels of 12-15% and ACS-ARR gap to zero by 2024-25.

**GOVERNMENT OF INDIA
MINISTRY OF POWER
LOK SABHA
UNSTARRED QUESTION NO.3043
ANSWERED ON 16.12.2021**

POWER GENERATION BY HYDRO PSUs

3043. SHRI SUSHIL KUMAR SINGH:

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

- (a) the details of power generation figures by all Hydro PSUs in the year 2019-20 and 2020-21, year-wise;**
- (b) the contingent liability of each PSU during the said period, year-wise;**
- (c) the list of arbitration awards which went against the Hydro PSUs from 2018-19 to 2020-21, year-wise;**
- (d) the details of arbitration claims lodged and awarded vis a vis the value of the original contract for the last financial years for the Hydro PSUs;**
- (e) whether the unfavourable decision in arbitration has led to increase in the cost of electricity; and**
- (f) if so, the details thereof?**

A N S W E R

THE MINISTER OF POWER AND NEW & RENEWABLE ENERGY

(SHRI R.K. SINGH)

(a) : The details of hydro power generation by entities under Ministry of Power in the year 2019-20 and 2020-21 in Million Units (MU) are given below:

Name of Utility	Generation (in MU)	
	2019-20	2020-21
BBMB	12175.65	11482.05
NHPC	26121	24471
THDC	4526.84	4565.38
SJVN	9678	9224
DVC	202.45	376.81
NEEPCO	3156.25	3881.68
NTPC	3449.6	3221.4
Total	59309.79	57222.32

(b) : The contingent liability of each PSU during the period 2019-20 and 2020-21 is given below:

Name of Utility	Contingency liability (Rs. in Crore)	
	FY 2019-20 As on 31.03.2020	FY 2020-21 As on 31.03.2021
NHPC	11515.11	11040.62
THDC	4111.12	4830.91
SJVN	792.69	774.99
NEEPCO	2030.18	2062.41
NTPC	5285.28	5792.60
BBMB	NIL	NIL
DVC	NIL	NIL
Total	23734.38	24501.53

(c) : The CPSU-wise details of arbitration awards regarding hydro projects from 2018-19 to 2020-21 are given at Annexure-I.

(d) : The details of arbitration claims lodged and awarded *vis-a-vis* the value of the original contract for the last financial year in hydro projects are given at Annexure-II.

(e) & (f) : Any additional expenditure incurred on the hydro projects leads to increase in the cost of electricity unless it is disallowed by the Appropriate Regulatory Commission.

ANNEXURE REFERRED TO IN REPLY TO PART (c) OF UNSTARRED QUESTION NO. 3043 ANSWERED IN THE LOK SABHA ON 16.12.2021

DETAILS OF CLAIMS AWARDED BY ARBITRAL TRIBUNAL DURING 2018-19

Sl. No.	Name of Hydro CPSUs	Description of Work	Claimed Amount (Rs. in Crore)	Awarded Amount (Rs. in Crore)
1	THDC	THDC/RKSH/CD-198/AG dt. 03.03.06 (Contract value- Rs 47.37Cr. (supply) +Rs.08.03 Cr (Services) Gates and Hoists work of Koteshwar HEP	15.23 + Interest	7.26 (including interest upto date of award)+ future interest
2	SJVN	LD & Other Issues in respect of Khirvire Wind Power Project. (Date of receipt of Award – 01.06.18)	80.03	28.42
3	NEEPCO	Claims related to Construction of Main Tunnel of 405 MW Ranganadi HEP	12.80	3.88
		Claims related to Construction of Concrete Diversion Dam of 405MW Ranganadi HEP	27.82	4.55
		Claims related to Construction of Diversion Tunnel of 75MW Doyang Hydro Electric Project	14.81	0.55
4	NHPC	Chamera-III – (Case-1)	195.34	27.21
		Andaman & Nicobar – (Bridge & Building)	13.80	3.39
		Parbati-II – (Himachal JV)	316.70	157.64
		TLDP-III – (Case-5)	44.07	3.89
		Parbati-III – (Case-2)	433.28	126.25
		TLDP-IV – (Case-4)	229.33	83.49
		Rural Electrification Works, Odisha – (Rayagada Package-1)	24.28	5.31
		TLDP-III – (Case-6)	107.70	64.88
		Uri-II	9.98	3.43
		Rural Electrification Works, Odisha–(Boudh Distt.)	33.50	14.45
		Rural Electrification Works, Odisha (Rayagada Package-3)	15.22	2.45
5	NTPC	TLDP-III – (Case-8)	307.91	101.12
		Loharinag-Pala - 33 KV Sub Station	6.51	0.38
		Tapovan-Vishnugad- Head Race Tunnel, Case 1	251.19	32.98
		Tapovan-Vishnugad – land Development	5.85	1.34
		Koldam – Dam, (Ref - 3)	287.46	168.69
		Koldam – Penstock & Power House Package, Ref- 1	62.14	24.32
		Total	2494.95	865.88

DETAILS OF CLAIMS AWARDED BY ARBITRAL TRIBUNAL DURING 2019-20

Sl. No.	Name of Hydro CPSUs	Description of Work	Claimed Amount (Rs. in Crore)	Awarded Amount (Rs. in Crore)
1	NEEPCO	Claims related to Construction of Make-up Water system, Package-III, 291MW Assam Gas Based Power Project.	5.16	0.70
		Claims related to Construction of Rock fill Dam with Impervious Core fill of 75MW Doyang Hydro Electric Project	23.80	4.59
2	NHPC	Teesta-V – (Case-4)	18.91	45.00
		Parbati-II – (Case-1)	384.37	218.96
		TLDP-III – (Case-7)	194.91	133.20
		Dulhasti – (Case-2)	360.56	60.00
		Kishanganga – (Case-1)	251.36	163.55
		Rural Electrification Works, Kathua	26.72	10.12
		Rural Electrification Works, Udhampur	41.72	14.24
3	NTPC	Tapovan-Vishnugad – Barrage & De-silting Chamber (Balance Work), Case 2	76.30	53.28
		Loharinag-Pala – Pen Stock & Power House, Case-2	235.04	31.24
		Koldam – Dam, (Ref-2)	164.43	26.55
		Total	1783.28	761.43

DETAILS OF CLAIMS AWARDED BY ARBITRAL TRIBUNAL DURING 2020-21

Sl. No.	Name of Hydro CPSUs	Description of Work	Claimed Amount (Rs. in Crore)	Awarded Amount (Rs. in Crore)
1	THDC	THDC/RKSH/CD-197/AG date 14.11.02 (Contract Value- Rs. 334.52 Cr.)	63.76 Cr. + Interest	29.03 + future interest
		1/TDC-1/1981-82 date 23.11.1981 (Contract Value- Rs. 31.54 Cr.)	Rs.9.176 Cr. +interest	Rs. 5.78 Cr. + interest
2	SJVN	Productivity Loss Claim of Contract 3.0 of NJHPS. (Date of receipt of Award – 27.10.20)	161.90	417.18
		Liquidated damages (LD) for procurement of Electro-Mechanical work of Rampur Hydro Power Station 412 MW by AMRCD Committee between SJVN Limited and M/s BHEL.	8.80	4.37
3	NHPC	Sewa-II	134.04	150.55
		Teesta-V – (Case-3)	77.46	168.78
		Total	455.136	775.69

ANNEXURE-II

ANNEXURE REFERRED TO IN REPLY TO PART (d) OF UNSTARRED QUESTION NO.3043
ANSWERED IN THE LOK SABHA ON 16.12.2021

(Rs. Crore)

2020-21

Sr. No.	Name of CPSUs	Contract	Contract Amount	Basic Claim amount	Award amount
1	SJVN	Productivity Loss Claim of Contract 3.0 of Nathpa Jhakri Hydro Power Station. (Date of receipt of Award – 27.10.20).	475.01	161.90	417.18
2		Liquidated damages (LD) for procurement of Electro-Mechanical work of Rampur Hydro Power Station 412 MW by AMRCD committee between SJVN Limited and M/s BHEL.	Rs.535.65 Cr. + Euro 15.5 Million	8.80	4.37
3	NHPC	Sewa-II	196.51	134.04	150.55
		Teesta-V – (Case-3)	394.64	77.46	168.78
4	THDC	THDC/RKSH/CD-197/AG date 14.11.02	334.52	63.76	29.03
		1/TDC-1/1981-82 date 23.11.1981	31.54	9.176	5.78
		Total	1967.87	455.14	775.69

**GOVERNMENT OF INDIA
MINISTRY OF POWER
LOK SABHA
UNSTARRED QUESTION NO.3059
ANSWERED ON 16.12.2021**

COAL FUELLED POWER PLANTS

3059. SHRI SUDHAKAR TUKARAM SHRANGARE:

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

- (a) the total installed capacity of coal fuelled power plants, State-wise;**
- (b) the reasons for which certain power plants do not maintain prescribed normative coal stock of 22 days; and**
- (c) the corrective steps taken by the Government to avoid frequent crisis of coal supply?**

A N S W E R

THE MINISTER OF POWER AND NEW & RENEWABLE ENERGY

(SHRI R.K. SINGH)

- (a) : The details of State-wise installed capacity of Coal based power plants as on 31.10.2021 are furnished at Annexure.**
- (b) : During April-Nov, 2021, power plants were not able to maintain sufficient stock as coal based power generation in the country increased by about 16% as compared to the corresponding period of the preceding year due to revival of economic activities. Further, there were interruptions in domestic coal supplies due to heavy rains which continued until first week of Oct, 2021 as well as rise in imported coal prices in the international markets which resulted in less coal import by thermal power plants. Due to second wave of Covid-19 Pandemic in Apr-Jun, 2021, the production & logistic arrangements were also affected as a huge number of manpower got infected.**
- (c) : The Government has taken the following measures to increase the coal supply to power plants:**
 - (i) To address the issues of coal supplies to power sector, an Inter-Ministerial Sub Group comprising of representatives from Ministries of Power, Coal, Railways, Central Electricity Authority (CEA), Coal India Limited (CIL) and Singareni Collieries Company Limited (SCCL) meet regularly to take various operational decisions to enhance supply of coal to thermal power plants (TPPs) as well as for meeting any contingent situations relating to Power Sector including to alleviate critical coal stock position in power plants.**

- (ii) Ministry of Power has constituted a Core Management Team (CMT) with members from MoP, Railways, CEA, CIL, NTPC, DVC and POSOCO to ensure close monitoring of coal stocks at TPPs and operational decisions are being taken in CMT to augment supply of sufficient quantity of coal to the TPPs.**
- (iii) To help the power plants in enhancing their coal stock, CIL in Oct'21 had offered about 5.2 Million Tonnes coal from its various subsidiaries to State/Central Gencos for lifting through Rail Cum Road (RCR)/ Road mode.**
- (iv) Revised coal stocking norms based on 85% Plant Load Factor (PLF) have been issued by CEA, mandating the coal stock of 17 days at pit head stations and 26 days at non-pit head stations to be maintained by power plants during February to June every year.**
- (v) Recently, an Inter-Ministerial Committee comprising of Secretary (Coal), Secretary (Power), Secretary (MoEF&CC) and Chairman, Railway Board has been set up to review the situation and ensure adequate supply of coal to power plants in the country.**

ANNEXURE**ANNEXURE REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION
NO. 3059 ANSWERED IN THE LOK SABHA ON 16.12.2021**

Installed Capacity of Coal based Power plants as on 31.10.2021

Fuel	State	Capacity (MW)
Coal	Haryana	5330
Coal	Punjab	5680
Coal	Rajasthan	8900
Coal	Uttar Pradesh	23729
Coal	Chhattisgarh	23688
Coal	Gujarat	14692
Coal	Madhya Pradesh	21950
Coal	Maharashtra	23856
Coal	Andhra Pradesh	11590
Coal	Karnataka	9480
Coal	Tamil Nadu	9520
Coal	Telangana	7572.5
Coal	Bihar	7710
Coal	Jharkhand	4250
Coal	Odisha	9540
Coal	West Bengal	14177
Coal	Assam	750
	Total	202414.5

**GOVERNMENT OF INDIA
MINISTRY OF POWER
LOK SABHA
UNSTARRED QUESTION NO.3072
ANSWERED ON 16.12.2021**

RURAL HOUSEHOLDS COVERED UNDER DDUGJY

**3072. DR. SHRIKANT EKNATH SHINDE:
DR. HEENA GAVIT:
SHRI DHAIRYASHEEL SAMBAJIRAO MANE:
DR. SUJAY RADHAKRISHNA VIKHE PATIL:
SHRI UNMESH BHAIYYASAHEB PATIL:**

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

- (a) the number of rural households that have been covered under the Deen Dayal Upadhyaya Gram Jyoti Yojana (DDUGJY), State-wise;**
- (b) whether the Government aims to phase out or phase down the use of coal-based energy in the next three years when compared to 2019 and 2020 and if so the details thereof;**
- (c) whether the Government proposes to reduce the burden of the retail consumers and if so, the details thereof;**
- (d) whether the Government also proposes to transform the companies like Coal India Ltd. and ONGC with the increasing importance of renewable energy and if so, the details thereof;**
- (e) whether the Government plans to install a second national grid for transportation of electricity as an alternative to the main power grid in cases of an emergency; and**
- (f) if so, the details thereof?**

A N S W E R

THE MINISTER OF POWER AND NEW & RENEWABLE ENERGY

(SHRI R.K. SINGH)

(a) : Government of India had launched Deendayal Upadhyaya Gram Jyoti Yojana (DDUGJY) in December, 2014 for rural electrification works across the country. As reported by the States, all the inhabited un-electrified villages as per census 2011 stand electrified on 28th April, 2018 across the country under DDUGJY. A total of 18,374 villages were electrified under the scheme.

Under various rural electrification schemes, such as DDUGJY and Saubhagya, 2.817 Crore households were electrified across the country up to 31.3.2021. State-wise details of the households electrified are at Annexure.

(b) : Setting up of a Generation Plant is a de-licensed activity under the Electricity Act, 2003. Utilities take their own decision to retire their old and inefficient unit based on their techno-economic and commercial considerations. However, through a Central Government notification dated 13.03.2021, a framework has been put in place for category-wise retirement of Thermal Power plants for emission norms on various dates before 31.12.2025 beyond which an environment compensation of Re.0.20 per unit of electricity would be levied from them.

(c) : A series of steps taken by the Government of India has helped to arrest the price hike of electricity in recent past. Such steps include

(i) Government of India announced a Liquidity Infusion Scheme (LIS) through Power Finance Corporation (PFC) Ltd. and Rural Electrification Corporation (REC) Ltd. as a part of the Aatmanirbhar Bharat Abhiyan. Under this intervention, REC and PFC are extending special long term transition loans up to 10 years to Discoms. As on 07.12.2021, PFC & REC have disbursed Rs.1,03,387 crore to various Power Discoms. This has reduced the burden of Late Payment Surcharge of Discoms.

(ii) CERC, in accordance with the directions issued by the Government of India under section 107 of the Electricity Act, 2003, had issued an order to the effect that if any delayed payment by the DISCOMs to the generating companies and inter-state transmission licensees beyond 45 days from the date of the presentation of the bills falls between 24.03.2020 and 30.06.2020, the concerned distribution companies shall make the payment with LPS at the reduced rate of 12% per annum.

(iii) The Electricity (Late Payment Surcharge) Rules, 2021 notified on 22.02.2021 have reduced the rate of Late Payment Surcharge. This will reduce the financial burden of Discoms.

(iv) Discoms have also been permitted to exit from the Power Purchase Agreement of Central Generating Stations which have completed 25 years. This will reduce the power purchase cost of the Discoms.

(d) : Ministry of Coal has informed that Coal India Limited (CIL) has targeted to install around 3000 MW of solar power projects till 2024, in order to offset the current level of power consumption which will help CIL to become Net Zero Energy Company. Further, Ministry of Petroleum & Natural Gas has informed that ONGC is essentially an exploration and production company and has also implemented few projects on renewable energy.

(e) & (f) : A strong National grid with adequate redundancy already exists in the country and there is no plan to install second national grid. A framework exists for expanding the National grid on a continuous basis to take care of growth in load and generation.

ANNEXURE**ANNEXURE REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION
NO.3072 ANSWERED IN THE LOK SABHA ON 16.12.2021**

State-wise details of households electrified under DDUGJY and Saubhgya

Sl. No.	Name of the States/UTs	State-wise details of Households electrified upto 31.03.2021
1	Andhra Pradesh	1,81,930
2	Arunachal Pradesh	47,089
3	Assam	19,45,149
4	Bihar	32,59,041
5	Chhattisgarh	7,89,791
6	Gujarat	41,317
7	Haryana	54,681
8	Himachal Pradesh	12,891
9	Jammu & Kashmir	3,77,045
10	Jharkhand	17,30,708
11	Karnataka	3,83,798
12	Ladakh	10,456
13	Madhya Pradesh	19,84,264
14	Maharashtra	15,17,922
15	Manipur	1,08,115
16	Meghalaya	1,99,839
17	Mizoram	27,970
18	Nagaland	1,32,507
19	Odisha	24,52,444
20	Puducherry	912
21	Punjab	3,477
22	Rajasthan	20,75,522
23	Sikkim	14,900
24	Tamil Nadu	2,170
25	Telangana	5,15,084
26	Tripura	1,39,090
27	Uttar Pradesh	91,80,571
28	Uttarakhand	2,48,751
29	West Bengal	7,32,290
Total		2,81,69,724

**GOVERNMENT OF INDIA
MINISTRY OF POWER
LOK SABHA
UNSTARRED QUESTION NO.3095
ANSWERED ON 16.12.2021**

UNELECTRIFIED RURAL HOUSEHOLDS

3095. SHRI RAJESHBHAI CHUDASAMA:

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

- (a) whether the Government has made any assessment of un-electrified rural households in the country;**
- (b) if so, the details thereof, State-wise;**
- (c) the extent to which achievements have been made along with the number of villages that have been left un-electrified till 31st October 2021; and**
- (d) the target fixed by the Government to cover all rural households in the country?**

A N S W E R

THE MINISTER OF POWER AND NEW & RENEWABLE ENERGY

(SHRI R.K. SINGH)

(a) to (d) : The Government of India launched “Pradhan Mantri Sahaj Bijli Har Ghar Yojana”- Saubhagya to achieve universal household electrification across the country. As reported by the States, all the households identified in the country by 31.03.2019 were electrified on 31.03.2021. Under the scheme, 2.81 crore households were electrified in the country and the scheme is completed. State-wise details of households electrified are presented at Annexure.

Government of India had also launched Deendayal Upadhyaya Gram Jyoti Yojana (DDUGJY) in December, 2014 for augmentation and strengthening of rural sub-transmission and distribution works, feeder segregation and rural electrification in the rural areas in the country. As reported by the States, all the inhabited un-electrified villages as per Census 2011 stand electrified as on 28th April, 2018 across the country under DDUGJY. A total of 18,374 villages were electrified under the scheme. Electrification of rural households is a dynamic process and the Power Distribution Utilities release electricity connections to consumers as and when the new households demand.

ANNEXURE**ANNEXURE REFERRED TO IN REPLY TO PARTS (a) TO (d) OF UNSTARRED QUESTION NO.3095 ANSWERED IN THE LOK SABHA ON 16.12.2021**

STATE-WISE ELECTRIFICATION OF HOUSEHOLDS SINCE LAUNCH OF SAUBHAGYA SCHEME

Sl. No.	Name of the States	No. of Households electrified from 11.10.2017 to 31.03.2019	No. of Households electrified from 01.04.2019 to 31.03.2021	Total HHs electrified as on 31.03.2021
1	Andhra Pradesh	1,81,930		1,81,930
2	Arunachal Pradesh	47,089		47,089
3	Assam	17,45,149	2,00,000	19,45,149
4	Bihar	32,59,041		32,59,041
5	Chhattisgarh	7,49,397	40,394	7,89,791
6	Gujarat	41,317		41,317
7	Haryana	54,681		54,681
8	Himachal Pradesh	12,891		12,891
9	Jammu & Kashmir	3,77,045		3,77,045
10	Jharkhand	15,30,708	2,00,000	17,30,708
11	Karnataka	3,56,974	26,824	3,83,798
12	Ladakh	10,456		10,456
13	Madhya Pradesh	19,84,264		19,84,264
14	Maharashtra	15,17,922		15,17,922
15	Manipur	1,02,748	5,367	1,08,115
16	Meghalaya	1,99,839		1,99,839
17	Mizoram	27,970		27,970
18	Nagaland	1,32,507		1,32,507
19	Odisha	24,52,444		24,52,444
20	Puducherry	912		912
21	Punjab	3,477		3,477
22	Rajasthan	18,62,736	2,12,786	20,75,522
23	Sikkim	14,900		14,900
24	Tamil Nadu	2,170		2,170
25	Telangana	5,15,084		5,15,084
26	Tripura	1,39,090		1,39,090
27	Uttar Pradesh	79,80,568	12,00,003	91,80,571
28	Uttarakhand	2,48,751		2,48,751
29	West Bengal	7,32,290		7,32,290
	Total	2,62,84,350	18,85,374	2,81,69,724

**GOVERNMENT OF INDIA
MINISTRY OF POWER
LOK SABHA
UNSTARRED QUESTION NO.3099
ANSWERED ON 16.12.2021**

STATUS OF UPGRADATION TO PREPAID METERS

3099. SHRI DUSHYANT SINGH:

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

- (a) whether the Government has fixed any timeline in installation of prepaid or smart electricity meters all over the country in place of old meters and if so, the details thereof;**
- (b) the details of the current status of upgradation to prepaid meters, State-wise;**
- (c) whether the Government has any intention to fix prepaid meters for agricultural connections also and if so, the details thereof;**
- (d) whether the Government is offering any financial assistance in installation of prepaid meters to the various State Governments;**
- (e) if so, the details of such assistance, State-wise and if not, the reasons therefor; and**
- (f) the details of the companies involved in the supply and fixing of the meters along with the effectiveness of the prepaid collections in the installed States after upgradation, State-wise?**

A N S W E R

THE MINISTER OF POWER AND NEW & RENEWABLE ENERGY

(SHRI R.K. SINGH)

(a) to (c) : Government of India has provided funds to the States for implementation of smart metering under National Smart Grid Mission (NSGM) and Integrated Power Development Scheme (IPDS). Further, under the Revamped Distribution Sector Scheme (RDSS) launched by Government of India on 20th July, 2021, provisions have been made to install 25 Crore pre-paid smart meters across the country by March, 2025. Priority would be accorded to (i) all Electricity Divisions of 500 AMRUT cities, with AT&C Losses > 15%, (ii) all Union Territories, (iii) MSMEs and all other Industrial and Commercial consumers, (iv) all Government offices at Block level and above and (v) other areas with high losses for installation by Dec., 2023. RDSS does not mandate smart metering for agricultural consumers. The details of smart meters, including prepaid smart meters already installed in the country are available as Annexure.

(d) & (e) : The Revamped Distribution Sector Scheme (RDSS) envisages smart metering on OPEX mode and provides financial support to DISCOMs opting for prepaid smart metering. Under the scheme, in “Other than Special Category States”, a fixed amount of 15% (22.5% in case of Special Category States) of the cost per meter worked out over the whole project period, subject to a maximum of Rs.900/- (Rs.1350/- in case of special category States) per meter in case of consumer meters, will be funded.

States/UTs would be incentivised for deployment of prepaid Smart meters by December, 2023. An incentive @ 7.5% of the cost per consumer meter worked out for the whole project or Rs.450 per consumer meter, whichever is lower, would be provided for “Other than Special Category States” for prepaid Smart Meters installed within the targeted timeline of first phase mission i.e. by December, 2023. The incentive for Special Category States would be @ 11.25 % of the cost per consumer meter worked out for the whole project or Rs.675 per consumer meter, whichever is lower.

For the purpose of execution of this scheme, all North Eastern States including Sikkim and States of Himachal Pradesh & Uttarakhand and Union Territories of Jammu & Kashmir, Ladakh, Andaman & Nicobar Islands, and Lakshadweep will be treated as Special Category States/UTs.

(f) : While there are several agencies which have installed smart metering components across the States, large scale deployment of prepaid smart meters has been done by Energy Efficiency Services Limited (EESL) in Bihar. As per information made available by South Bihar Power Distribution Company Limited (SBPDCL), collections after installation of prepaid Smart Meters have improved to the extent of 20%.

ANNEXURE

ANNEXURE REFERRED TO IN REPLY TO PARTS (a) TO (c) OF UNSTARRED QUESTION NO.3099 ANSWERED IN THE LOK SABHA ON 16.12.2021

State/UT-wise data of Smart metering (as on 09-12-2021)				
Sl. No.	States/UTs	Utility	Installed Smart Meters	Installed Smart Prepaid Meters
1	Andaman & Nicobar Islands	EDANI	66,308	
2	Assam	APDCL	180,416	5,430
3	Bihar	NBPDCL	143,011	142,225
		SBPDCL	209,275	208,471
		Bihar Total	352,286	350,696
4	Chandigarh	CED	16,931	
5	Delhi	NDMC	61,449	
		TPDDL	195,000	
		Delhi Total	256,449	
6	Gujarat	UGVCL	23,760	
7	Haryana	UHBVN	217,365	366
		DHBVN	157,672	7
		Haryana Total	375,037	373
8	Himachal Pradesh	HPSEB	24,469	
9	Jammu and Kashmir	JKPDD	13,831	
10	Karnataka	CESCOM	20,916	
11	Kerala	CPT	780	
12	Madhya Pradesh	MP-West	215,110	
13	Odisha	OPTCL	4,000	
14	Puducherry	PED	30,568	
15	Punjab	PSPCL	53,000	
16	Rajasthan	JaVVNL	282,119	
		AVVNL	57,501	
		JdVVNL	38,839	
		Rajasthan Total	378,459	
17	Tamil Nadu	TANGEDCO	52,482	
18	Tripura	TSECL	43,081	
19	Telangana	TSSPDCL	8,882	
20	Uttar Pradesh	MVVNL	378,838	3,337
		PVVNL	198,726	20
		DVVNL	147,991	127
		PuVVNL	321,433	1,135
		KESCO	107,346	60,266
		UP Total	1,154,334	64,885
21	West Bengal	WBSEDCL	5,164	
		CESC	10,000	
		West Bengal Total	15,164	
Grand Total			32,86,263	421,384

(Source: NSGM website)

**GOVERNMENT OF INDIA
MINISTRY OF POWER
LOK SABHA
UNSTARRED QUESTION NO.3102
ANSWERED ON 16.12.2021**

COAL SUPPLY TO POWER PLANTS

3102. SHRI SANJAY KAKA PATIL:

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

- (a) whether the Government proposes to secure coal supply for electricity production plants and if so, the details thereof;**
- (b) whether the Government also proposes to import coal for power plants and if so, the details thereof; and**
- (c) whether the Government signs any agreement about coal supply with other countries and if so, the details thereof?**

A N S W E R

THE MINISTER OF POWER AND NEW & RENEWABLE ENERGY

(SHRI R.K. SINGH)

(a) : Domestic coal is supplied to thermal power plants (TPPs) in accordance with the linkages awarded to them by the Government, for which Fuel Supply Agreements (FSAs) have been signed. Besides, domestic coal is also supplied through e-auction and captive coal blocks.

For the power plants commissioned prior to 2009, the FSAs have been signed based on the consumption pattern by the plants. Subsequently, linkages have been awarded under New Coal Distribution Policy-2007. Presently, the TPPs secure linkages through a new policy named SHAKTI [Scheme for harnessing and Allocating Koyala (Coal) Transparently in India] which was issued by Ministry of Coal in May, 2017.

(b) & (c) : As per the current import policy, coal is kept under Open General License (OGL) and consumers are free to import coal from the source of their choice as per their contractual prices on payment of applicable duty. Ministry of Power, on 07.12.2021, has permitted import of coal for blending purpose for the period of 2022-23 by NTPC and DVC upto 10% of coal required for ensuring 85% Declared Capacity (DC) of its plants. In respect of State Gencos and Independent Power Producers (IPPs), blending upto 4% has been advised.

**GOVERNMENT OF INDIA
MINISTRY OF POWER
LOK SABHA
UNSTARRED QUESTION NO.3108
ANSWERED ON 16.12.2021**

WORKS UNDERTAKEN UNDER SAUBHAGYA

†3108. SHRI RODMAL NAGAR:

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

- (a) the details of the work undertaken under Pradhan Mantri Sahaj Bijli Har Ghar Yojana-Saubhagya in Madhya Pradesh;**
- (b) the quantum of funds sanctioned, allocated and utilised for the said work during the last three years and the current year; and**
- (c) the details of the number of villages in the country likely to be electrified presently, State-wise including Madhya Pradesh?**

A N S W E R

THE MINISTER OF POWER AND NEW & RENEWABLE ENERGY

(SHRI R.K. SINGH)

- (a) : Government of India launched Pradhan Mantri Sahaj BijliHar Ghar Yojana – Saubhagya in October, 2017 with the objective to achieve universal household electrification by providing electricity connections to all willing un-electrified households in rural areas and all willing poor households in urban areas in the country by March, 2019. All households were reported electrified by the States (including 19,84,264 Households of Madhya Pradesh) except 18,734 households in Left Wing Extremism (LWE) affected areas of Chhattisgarh as on 31.03.2019. Further, based on the request of Madhya Pradesh, electrification of 99722 additional un-electrified households, have been sanctioned in August, 2021.**
- (b) : The quantum of funds sanctioned, allocated and utilized for the said work during the last three years and the current financial year are at Annexure.**
- (c) : Electrification of all census villages in the country including Madhya Pradesh stand electrified by 28th April, 2019.**

ANNEXURE**ANNEXURE REFERRED TO IN REPLY TO PART (b) OF UNSTARRED QUESTION NO.3108 ANSWERED IN THE LOK SABHA ON 16.12.2021**

STATE-WISE SANCTIONED COST AND GRANT DISBURSED UNDER SAUBHAGYA SCHEME DURING THE FINANCIAL YEAR 2018-19 TO 2021-22

Rs. in Crore

Sl. No.	Name of the States	Grant Released to the States/UTs under Saubhagya					Total	Funds Utilised by the States
		2018-19	2019-20	2020-21	2021-22 (as on 30.11.2021)			
1	Arunachal Pradesh	139	14	-	-	153	153	
2	Assam	403	121	118	-	642	642	
3	Bihar	199	136	17	-	352	352	
4	Chhattisgarh	219	32	42	38	331	331	
5	Haryana	-	3	-	-	3	3	
6	Himachal Pradesh	1	3	-	-	4	4	
7	Jammu & Kashmir	45	-	-	-	45	29	
8	Jharkhand	83	4	60	-	147	147	
9	Karnataka	-	40	-	0	40	40	
10	Kerala	-	26	13	12	51	51	
11	Ladakh	6	-	-	-	6	6	
12	Madhya Pradesh	147	-	6	89	242	242	
13	Maharashtra	140	43	-	19	202	202	
14	Manipur	35	33	12	-	80	80	
15	Meghalaya	98	88	1	-	187	187	
16	Mizoram	35	-	6	0	41	41	
17	Nagaland	34	-	-	9	43	43	
18	Odisha	168	-	-	-	168	168	
19	Punjab	-	-	0	0	1	1	
20	Rajasthan	103	76	101	26	306	306	
21	Sikkim	-	1	1	0	2	2	
22	Telangana	-	15	-	1	17	17	
23	Tripura	237	8	0	15	260	260	
24	Uttar Pradesh	523	26	52	117	717	717	
25	Uttarakhand	22	7	1	-	30	30	
26	West Bengal	73	20	16	13	123	123	
	Total	2,709	696	448	340	4,193	4,176	

**GOVERNMENT OF INDIA
MINISTRY OF POWER
LOK SABHA
UNSTARRED QUESTION NO.3158
ANSWERED ON 16.12.2021**

ENERGY STORAGE TECHNOLOGY

3158. SHRI TALARI RANGAIAH:

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

- (a) whether the Government has developed any energy storage technology in order to use it for residential, commercial and industrial consumers,**
- (b) if so, the details thereof; and**
- (c) the details of number of residential, commercial and industrial consumers benefitted so far?**

A N S W E R

THE MINISTER OF POWER AND NEW & RENEWABLE ENERGY

(SHRI R.K. SINGH)

(a) to (c) : Research & development in the field of renewable energy including energy storage technology in the country is carried out at various research institutes/ universities/laboratories and industries. A National Centre of Photovoltaic and Research and Education (NCPRE) at IIT Bombay has developed Lithium ion and Sodium ion batteries.

Off-grid and Decentralized Solar PV Applications Programme provided financial support, primarily to public service institutions, for installation of battery backed off-grid solar power plants/ packs. Till date, 216.9 MWp capacity of these plants has been installed under the Programme

**GOVERNMENT OF INDIA
MINISTRY OF POWER
LOK SABHA
UNSTARRED QUESTION NO.3187
ANSWERED ON 16.12.2021**

PREPAID ELECTRIC METERS

3187. SHRIMATI SAJDA AHMED:

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

- (a) whether the Government proposes to install prepaid electric meters for all domestic consumers;**
- (b) if so, the details thereof;**
- (c) whether DISCOMs are suffering technical and commercial losses due to the present system of metering;**
- (d) if so, the details thereof;**
- (e) whether the Government also proposes budgetary support for installation of smart meters; and**
- (f) if so, the details thereof?**

A N S W E R

THE MINISTER OF POWER AND NEW & RENEWABLE ENERGY

(SHRI R.K. SINGH)

(a) & (b): Yes, Sir. Government of India have provided funds to the States for implementation of smart prepaid metering under National Smart Grid Mission (NSGM) and Integrated Power Development Scheme (IPDS). Further, under the Revamped Distribution Sector Scheme (RDSS) launched by Government of India on 20th July, 2021, provisions have been made to install 25 Crore pre-paid smart meters across the country.

The details of smart meters, including prepaid smart meters already installed in the country are available as Annexure.

(c) & (d): Prepaid smart metering eliminates human interventions in metering, billing and collection, while at the same time provides consumers the choice to calibrate their consumption to their actual requirements on a near real time basis. Automatic metering, billing and collection eliminate inefficiencies in these processes including losses due to theft. This helps in reduction of Aggregate Technical & Commercial (AT&C) losses.

(e) & (f) : The Revamped Distribution Sector Scheme envisages financial support to DISCOMs for prepaid smart metering. Under the scheme, in “Other than Special Category States”, a fixed amount of 15% (22.5% in case of Special Category States) of the cost per meter worked out over the whole project period, subject to a maximum of Rs.900/- (Rs.1350/- in case of special category States) per meter in case of consumer meters, will be provided as the financial support from the Government of India.

Further, an incentive @ 7.5% of the cost per consumer meter worked out for the whole project or Rs.450 per consumer meter, whichever is lower, would be provided for “Other than Special Category States” for prepaid Smart Meters installed within the targeted timeline of first phase mission i.e. by December, 2023. This incentive for Special Category States would be @ 11.25 % of the cost per consumer meter worked out for the whole project or Rs.675 per consumer meter, whichever is lower.

Remaining cost will be borne by project developer who will be paid on monthly basis which can be easily met from increased collection of revenue by distribution company.

For the purpose of execution of this scheme, all North Eastern States including Sikkim and States of Himachal Pradesh & Uttarakhand and Union Territories of Jammu & Kashmir, Ladakh, Andaman & Nicobar Islands, and Lakshadweep will be treated as Special Category States/UTs.

**ANNEXURE REFERRED TO IN REPLY TO PARTS (a) & (b) OF UNSTARRED
QUESTION NO.3187 ANSWERED IN THE LOK SABHA ON 16.12.2021**

State/UT-wise data of Smart metering (as on 09-12-2021)				
Sl. No.	State	Utility	Installed Smart Meters	Installed Smart Prepaid Meters
1	Andaman	EDANI	66,308	
2	Assam	APDCL	180,416	5,430
3	Bihar	NBPDCL	143,011	142,225
		SBPDCL	209,275	208,471
		Bihar Total	352,286	350,696
4	Chandigarh	CED	16,931	
5	Delhi	NDMC	61,449	
		TPDDL	195,000	
		Delhi Total	256,449	
6	Gujarat	UGVCL	23,760	
7	Haryana	UHBVN	217,365	366
		DHBVN	157,672	7
		Haryana Total	375,037	373
8	Himachal Pradesh	HPSEB	24,469	
9	Jammu and Kashmir	JKPDD	13,831	
10	Karnataka	CESCOM	20,916	
11	Kerala	CPT	780	
12	Madhya Pradesh	MP-West	215,110	
13	Odisha	OPTCL	4,000	
14	Puducherry	PED	30,568	
15	Punjab	PSPCL	53,000	
16	Rajasthan	JAVVNL	282,119	
		AVVNL	57,501	
		JDVVNL	38,839	
		Rajasthan Total	378,459	
17	Tamil Nadu	TANGEDCO	52,482	
18	Tripura	TSECL	43,081	
19	Telangana	TSSPDCL	8,882	
20	Uttar Pradesh	MVVNL	378,838	3,337
		PVVNL	198,726	20
		DVVNL	147,991	127
		PUVVNL	321,433	1,135
		KESCO	107,346	60,266
		UP Total	1,154,334	64,885
21	West Bengal	WBSEDCL	5,164	
		CESC	10,000	
		West Bengal Total	15,164	
Grand Total			32,86,263	4,21,384

**GOVERNMENT OF INDIA
MINISTRY OF POWER
LOK SABHA
UNSTARRED QUESTION NO.3204
ANSWERED ON 16.12.2021**

INSTALLATION OF FGD SYSTEM BY NTPC

3204. SHRI KRUPAL BALAJI TUMANE:

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

- (a) whether NTPC has been directed by the Ministry of Environment, Forests and Climate Change to install Flue Gas Desulphurisation (FGD) system to control pollution;**
- (b) if so, the details thereof;**
- (c) whether the NTPC has decided for lot system instead of individual project system for installation of FGD;**
- (d) if so, the details of all the lots awarded to various bidders, the status of civil progress, mechanical and Electrical/Instrumentation (Ele./Inst.) erection of FGD installation;**
- (e) whether the lot system resulted in loss, delays in completion and cost increase in the FGD installation cost; and**
- (f) if so, the details thereof and the reaction of the Government thereto?**

A N S W E R

THE MINISTER OF POWER AND NEW & RENEWABLE ENERGY

(SHRI R.K. SINGH)

(a) & (b) : Ministry of Environment, Forest and Climate Change (MoEF&CC), vide notification dated 07.12.2015, issued the emission standards for Sulphur Dioxide (SO₂) for thermal power plants (TPPs). Accordingly, all TPPs are required to control the emission levels of Sulphur Dioxide (SO₂) within the prescribed standards. NTPC Power Plants were also covered under the said notification.

(c) & (d) : NTPC adopted the Lot system to minimize the tendering process time with a view to award and meet the timelines and accordingly, all units of NTPC were divided into various categories for implementation of Flue Gas Desulphurisation (FGD) and new units were tendered first followed by old units. Further, the projects which could not be awarded mainly due to higher cost with respect to cost estimates were retendered in subsequent lots. The details of the Award and Erection progress is placed at Annexure.

(e) & (f) : The contracts have been awarded by NTPC to the contractors who have emerged as the lowest (L1) Bidder project wise through competitive bidding after extensive Reverse Auction process and are within NTPC's cost estimate range. The tendering in lots system had no impact on the price evaluation process as price bid evaluation has been carried out separately for each project.

ANNEXURE REFERRED TO IN REPLY TO PARTS (c) & (d) OF UNSTARRED QUESTION NO.3204 ANSWERED IN THE LOK SABHA ON 16.12.2021

Installation of FGD in NTPC – Details of Award and Erection Progress

Sl. No.	Lot	Project/ Capacity	Agency*	Status of Civil Progress, Mechanical & Electrical Erection of FGD Installation
1	Lot-I A	Solapur (2X660 MW)	GE	Civil works in advanced stage of completion, Mechanical & Electrical works is in progress.
2	Lot-I A	Barh-I (3x660 MW)	BHEL	Engg. and ordering in progress. Geotech work completed. Piling work in progress. Erection work to start.
3	Lot-I A	BRBCL (4x250 MW)	BHEL	Engg. and ordering in progress. Geotech work completed. Piling and foundation civil work in progress. Erection work to start.
4	Lot-I A	NPGC (3X660 MW)	BHEL	Engg. and ordering in progress. Geotech work completed. Piling and foundation civil work in progress. Erection work to start.
5	Lot-I A	Kudgi (3X800 MW)	ISGEC	Civil works, Mechanical erection in progress. Electrical and C&I works commenced.
6	Lot-I A	Tanda-II (2X660 MW)	GE	Civil works, Mechanical erection in progress. Electrical and C&I works commenced.
7	Lot-I A	Meja (2X660 MW)	GE	Civil works, Mechanical erection in progress. Electrical and C&I works commenced.
8	Lot-I A	Darlipali (2X800 MW)	L&T	Civil works, Mechanical erection in progress. Electrical and C&I erection to start.
9	Lot-I A	Gadarwara (2X800 MW)	ISGEC	Civil works, Mechanical erection in progress. Electrical and C&I works commenced.
10	Lot-I A	Lara-I (2X800 MW)	L&T	Civil works, Mechanical erection in progress. Electrical and C&I works commenced.
11	Lot-I A	Mouda-II (2X660 MW)	MPI	Civil works, Mechanical erection in progress. Electrical and C&I works commenced.
12	Lot-I B	Vindhyachal-III, IV (4X500 MW)	L&T	Civil works, Mechanical erection in progress. Electrical and C&I erection to start.
13	Lot-I B	Rihand-II, III (4X500 MW)	MPI	Piling is in advanced stage of completion. Civil works, Mechanical erection in progress.
14	Lot-I B	Barh-II (2X660 MW)	BHEL	Engg. and ordering in progress. Geotech work completed. Piling work in progress. Erection work to start.
15	Lot-I B	Unchahar-IV (1x500 MW)	GE	Civil works, Mechanical erection in progress. Electrical and C&I works commenced.
16	Lot-I B	Mouda-I (2x500 MW)	BHEL	Civil works, Mechanical erection in progress. Electrical and C&I erection to start.
17	Lot-II	Bhilai (2x250 MW)	BHEL	Engg. and ordering in progress. Geotech work completed. Civil foundation work started.
18	Lot-II	Sipat-I (3X660 MW)	GE	Civil works, Mechanical erection in progress. Electrical and C&I erection to start.
19	Lot-II	Simhadri-I & II (4X500 MW)	GE	Civil works, Mechanical erection in progress. Electrical and C&I erection to start.
20	Lot-III	Korba-I, II, III (3x200 MW & 4x500 MW)	BHEL	Engg. and ordering in progress. Geotech work completed. Piling work in progress. Erection work to start.
21	Lot-III	Vindhyachal-I, II (6X210 MW & 2X500MW)	L&T	Civil works, Mechanical erection in progress. Electrical and C&I erection to start.
22	Lot-III	Ramagundam-I, II (3x200 MW), (3x500 MW)	BHEL	Engg. and ordering in progress. Geotech work completed. Civil work in progress. Erection work to start.
23	Lot-IV	Farakka-I/II & III (3x200 MW) & 3x500 MW)	MPI	Engg. and ordering in progress. Geotech work completed. Piling work commenced. Erection work to start.

24	Lot-IV	Kahalgaon- I, II (4x210 MW) & (3x500 MW)	BHEL	Engg. and ordering in progress. Geotech work completed. Civil and erection work to start.
25	Lot-IV	Singrauli-I&II (5x200 MW), (2X500 MW)	PES	Engg. and ordering in progress. Geotech work completed. Civil work in progress. Erection work to start.
26	Lot-IV	Unchahar-I/II/III (5x210 MW)	GE	Civil works, Mechanical erection in progress. Electrical and C&I erection to start.
27	Lot-V	Talcher -I&II (6X500 MW)	TPL	Civil works including chimney shell casting in progress. Mechanical erection started, Electrical and C&I erection to start.
28	Lot-V	Ramagundam-III (1x500 MW)	EPIL	Engg. and ordering in progress. Geotech work completed. Civil, Erection work to start.
29	Lot-V	Vallur (3x500 MW)	TPL	Engg. and ordering in progress. Geotech work completed. Civil work in progress. Erection work to start.
30	Lot-VI	Sipat-II (2X500MW)	BHEL	Recently awarded and work to be started.
31	Separate Package	Dadri-II (2x490 MW)	BHEL	Civil works done, finishing works in progress. Mechanical, Electrical, C&I erection and Commissioning in progress.
32	Separate Package	Jhajjar (3x500 MW)	GE	Civil works done, finishing works in progress. Mechanical, Electrical, C&I erection and Commissioning in progress.
33	Separate Package	NKSTPP (3x660 MW)	BHEL	Engineering and ordering in progress. Geotech work completed. Civil work in progress. Erection work to start.
34	Along with main package	Bongaigaon (3x250 MW)	BHEL	Civil works in advanced stage of completion, Mechanical & Electrical works is in progress.
35	Separate Package	Khargone (2x660 MW)	L&T	Mechanical, Electrical, C&I erection and Commissioning in progress.
36	Separate Package	Telangana (2x800 MW)	GE	Civil works, Mechanical, Electrical and C&I erection in progress
37	Along with main package	Patratu (3X800MW)	BHEL	Civil works in progress. Mechanical, Electrical and C&I erection to start.
38	Separate Package	Tanda-I U#1,2 (2x110 MW)	KC Cottrell	Civil works done. Erection done. Commissioning in progress.

Total FGD Commissioned: 1,340 MW

1. Vindhyachal U#13 (1X500 MW): Agency- GE, FGD commissioned.
2. Dadri-I U#1, 2, 3 & 4 (4X210 MW): Agency- Melco, commissioned.

***Agency Names:**

1. GE Power India Limited, Noida (GE)
2. Bharat Heavy Electricals Ltd, New Delhi (BHEL)
3. ISGEC Heavy Engineering Limited, Noida (ISGEC)
4. Larsen & Toubro Limited, Vadodara (L&T)
5. Mitsubishi Hitachi Power Systems India Pvt. Ltd., New Delhi (MPI)
6. PES Engineers Private Limited India (PES)
7. TATA Projects Limited, Secundrabad (Tata)
8. Engineering Projects India Ltd (EPIL)
9. KC Cottrell Korea (KC Cottrell)
10. Melco India (Melco) India

**GOVERNMENT OF INDIA
MINISTRY OF POWER
LOK SABHA
UNSTARRED QUESTION NO.3208
ANSWERED ON 16.12.2021**

DELICENSING OF POWER DISTRIBUTION COMPANIES

**3208. SHRI SHANMUGA SUNDARAM K.:
SHRI VELUSAMY P.:**

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

- (a) whether the Government proposes to amend the Electricity Act, 2003 for delicensing of power distribution companies;**
- (b) if so, the details thereof;**
- (c) whether the power distribution companies have to register with the Government and if so, the details thereof;**
- (d) whether the delicensing process will affect the consumers in terms of unit cost by the private enterprises and if so, the details thereof;**
- (e) whether the Central Electricity Regulatory Commission (CERC) will implement uniform unit cost throughout the country and if so, the details thereof;**
- (f) whether the subsidy charges would be allocated to give free of cost power supply to agriculture sector; and**
- (g) if so, the details thereof?**

A N S W E R

THE MINISTER OF POWER AND NEW & RENEWABLE ENERGY

(SHRI R.K. SINGH)

(a) to (d): The condition of most of the State Government owned Distribution companies is a matter of grave concern. Their AT&C losses at the end of 2019-20 range from an average of 21% to a maximum of 60.16%. The gap between Average Cost of Supply (ACS) and Average Revenue Realized (ARR) excluding Regulatory Assets and Ujwal DISCOM Assurance Yojana (UDAY) grants averages 60 paise per Unit in 2019-20 and the Accumulated losses of all DISCOMs in the country by 2019-20 have risen to Rs.5,07,416 crore. DISCOMs have not been able to pay the Generation Companies for the power procured, and the Outstanding payments to Generation Companies are estimated to be in excess of Rs.1,56,000 crore. The Outstanding dues to Renewable Generators are around 11 months of revenues. Therefore, reforms have been deliberated upon in consultation with the States and all Stakeholders. No final decisions have been arrived at so far.

(e) : As per the Electricity Act, 2003, the tariff is determined by the State Electricity Regulatory Commissions. Central Electricity Regulatory Commission (CERC) determines the tariff of only inter-State projects. CERC adopts the tariff of competitively bid projects under section 63 of the Electricity Act, 2003. The discovered tariffs are different for different bids.

(f) & (g) : As per provision of section 65 of the Electricity Act, 2003, the State Governments have the discretion to give subsidy to the extent they consider appropriate.

**GOVERNMENT OF INDIA
MINISTRY OF POWER
LOK SABHA
UNSTARRED QUESTION NO.3214
ANSWERED ON 16.12.2021**

PURCHASE OF ELECTRICITY BY DISCOMs

†3214. SHRI BALUBHAU ALIAS SURESH NARAYAN DHANORKAR:

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

- (a) whether the Government has made it mandatory for the power distribution companies (DISCOMs) of the States to purchase electricity and other renewable energy according to their power supply;**
- (b) if so, the details thereof;**
- (c) whether the Government has made any amendment in the tariff policy, 2016 for the said purpose;**
- (d) if so, the details thereof;**
- (e) whether the Government has set up any regulatory mechanism to ensure that the distribution companies of State Electricity Boards mandatorily purchase renewable energy; and**
- (f) if so, the details thereof?**

A N S W E R

THE MINISTER OF POWER AND NEW & RENEWABLE ENERGY

(SHRI R.K. SINGH)

(a) to (f) : The Central Government has issued long term Renewable Purchase Obligation (RPO) trajectory on 29.01.2021. As per this order State Commission are to notify RPO trajectory for their respective States in line with RPO trajectory issued by the Central Government. Every Discoms, being the licensee of State Commission, is required to comply with the orders of State Commission.

Government has not made any amendment in the Tariff Policy, 2016.

**GOVERNMENT OF INDIA
MINISTRY OF POWER
LOK SABHA
UNSTARRED QUESTION NO.3215
ANSWERED ON 16.12.2021**

ELECTRIC VEHICLES CHARGING STATIONS

3215. SHRIMATI POONAM MAHAJAN:

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

- (a) the current status of electric vehicle charging stations in the country particularly in Maharashtra;**
- (b) whether the Union Government has any proposal to add electric vehicle charging stations at all the petrol pumps across the country;**
- (c) if so, the details thereof, State-wise including Maharashtra; and**
- (d) the time by which final decision is likely to be taken and all the petrol pumps would have such electric vehicle charging stations in the country?**

A N S W E R

THE MINISTER OF POWER AND NEW & RENEWABLE ENERGY

(SHRI R.K. SINGH)

(a) : The States/UTs-Wise status of electric vehicle charging stations installed in the country (including Maharashtra) is given at Annexure.

(b) to (d) : Ministry of Petroleum and Natural Gas (MoPNG), vide Gazette Notification No.355 dated 08.11.2019, has mandated that in addition to conventional fuels, the authorized entities are required to install facilities for marketing at least one new generation alternate fuels like Compressed Natural Gas (CNG), biofuels, Liquefied Natural Gas (LNG), electric vehicle charging points etc. at their proposed retail outlets (RO) within three years of operationalization of the said outlets throughout the country (including Maharashtra) subject to the entity complying with various other statutory guidelines, as applicable.

ANNEXURE**ANNEXURE REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION
NO.3215 ANSWERED IN THE LOK SABHA ON 16.12.2021**

**States/UTs-Wise status of electric vehicle charging stations in the country
(including Maharashtra)**

S. No.	States/UTs	Public EV Charging Stations installed
1.	Andhra Pradesh	4
2.	Arunachal Pradesh	2
3.	Assam	7
4.	Bihar	3
5.	Chandigarh	6
6.	Chhattisgarh	4
7.	Dadra and Nagar Haveli	8
8.	Delhi	322
9.	Gujarat	27
10.	Haryana	55
11.	Himachal Pradesh	7
12.	Jharkhand	7
13.	Karnataka	58
14.	Kerala	57
15.	Madhya Pradesh	27
16.	Maharashtra	88
17.	Manipur	1
18.	Meghalaya	1
19.	Nagaland	2
20.	Odisha	2
21.	Puducherry	1
22.	Punjab	11
23.	Rajasthan	27
24.	Sikkim	4
25.	Tamil Nadu	94
26.	Telangana	65
27.	Tripura	2
28.	Uttar Pradesh	108
29.	Uttarakhand	6
30.	West Bengal	22
	Total	1028

**GOVERNMENT OF INDIA
MINISTRY OF POWER
LOK SABHA
UNSTARRED QUESTION NO.3218
ANSWERED ON 16.12.2021**

MULTIPLE SERVICE PROVIDERS

3218. SHRI D.K. SURESH:

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

- (a) whether the Government proposes to introduce a Bill enabling the power consumer to choose from multiple service providers;**
- (b) if so, the details thereof;**
- (c) whether the Government has consulted the stakeholders before finalising the draft bill;**
- (d) if so, the details thereof;**
- (e) whether the Government has received any comments from any agency or organisations about the Bill; and**
- (f) if so, the details thereof?**

A N S W E R

THE MINISTER OF POWER AND NEW & RENEWABLE ENERGY

(SHRI R.K. SINGH)

(a) to (f): The condition of most of the State Government owned Distribution companies is a matter of grave concern. Their AT&C losses at the end of 2019-20 range from an average of 21% to a maximum of 60.16%. The gap between Average Cost of Supply (ACS) and Average Revenue Realized (ARR) excluding Regulatory Assets and Ujwal DISCOM Assurance Yojana (UDAY) grants averages 60 paise per Unit in 2019-20 and the Accumulated losses of all DISCOMs in the country by 2019-20 have risen to Rs.5,07,416 crore. DISCOMs have not been able to pay the Generation Companies for the power procured, and the Outstanding payments to Generation Companies are estimated to be in excess of Rs.1,56,000 crore. The Outstanding dues to Renewable Generators are around 11 months of revenues. Therefore, reforms have been deliberated upon in consultation with the States and all Stakeholders. No final decisions have been arrived at so far.
