

**GOVERNMENT OF INDIA
MINISTRY OF POWER
LOK SABHA
UNSTARRED QUESTION NO.1160
ANSWERED ON 09.02.2023**

ENERGY CONSERVATION (AMENDMENT) BILL

1160. SHRI BHOLA SINGH:

DR. JAYANTA KUMAR ROY:

SHRI VINOD KUMAR SONKAR:

DR. SUKANTA MAJUMDAR:

SHRI RAJA AMARESHWARA NAIK:

SHRIMATI SANGEETA KUMARI SINGH DEO:

SHRI RAJVEER SINGH (RAJUBHAIYA):

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

- (a) whether the Government proposes to have India's own carbon trading market like other countries and if so, the details thereof;**
- (b) whether the Government proposes to change in the legislation through the Energy Conservation (Amendment) Bill, 2022 for implementing the carbon trading scheme that will subsume all such present tradeable certificates;**
- (c) if so, the details thereof;**
- (d) whether the Government proposes to begin with a voluntary market and gradual shift to 'cap and trade', where industries are given emission targets like in EU emission trading system markets and if so, the details thereof;**
- (e) whether India is the largest exporter of carbon credits and if so, the details thereof; and**
- (f) the other steps taken/being taken by the Government to establish a carbon trading market to promote finance avenues for energy transition projects and emission reduction?**

A N S W E R

THE MINISTER OF POWER AND NEW & RENEWABLE ENERGY

(SHRI R.K. SINGH)

(a) to (d) : The Parliament has passed the Energy Conservation (Amendment) Bill, 2022 and the same has come into effect from 1st January, 2023. This includes provisions to "Specify the carbon credit trading scheme". Design of carbon trading scheme is to be prescribed through Rules after consideration of all relevant aspects, including transition of existing schemes of tradable certificates to single national framework. Any registered entity, in accordance with these Rules, shall be entitled to purchase or sell the carbon credit certificate.

(e) & (f) : Presently, Ministry of Power/ Bureau of Energy Efficiency (BEE) does not maintain any data on export of carbon credits. Further, Ministry of Environment, Forests and Climate Change, Government of India has notified 'National Designated Authority for the Implementation of Article 6 of the Paris Agreement (NDAIAPA)' which shall exercise and perform functions that inter-alia include to receive projects or activities for evaluation and approval by the host Party as per the guidelines and general criteria laid down in the relevant rules and modalities and procedures pertaining to Article 6 of the Paris Agreement.

**GOVERNMENT OF INDIA
MINISTRY OF POWER
LOK SABHA
UNSTARRED QUESTION NO.1175
ANSWERED ON 09.02.2023**

DUES OF DISCOMS

**1175. SHRI MOHAN MANDAVI:
SHRI DILIP SAIKIA:
SHRI SUDHAKAR TUKARAM SHRANGARE:
SHRI ARUN SAO:
SHRI RANJEETSINGH HINDURAO NAIK NIMBALKAR:
SHRI DEVJI M. PATEL:
SHRI VIJAY BAGHEL:
SHRI SUNIL KUMAR SINGH:**

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

- (a) the details of the total dues of power distribution companies (DISCOMs) towards generation companies (GENCOS) at present, State/UT-wise including Jharkhand, Rajasthan and North-Eastern Region;
- (b) whether the Government proposes to invoke the relevant provisions of tripartite agreement among the Centre, RBI and States to recover the dues by deducting the outstanding amount from the concerned State's share of taxes;
- (c) if so, the details thereof and if not, the reasons therefor; and
- (d) the remedial steps taken/proposed to be taken by the Government in this regard?

A N S W E R

THE MINISTER OF POWER AND NEW & RENEWABLE ENERGY

(SHRI R.K. SINGH)

(a) : As per the information available on PRAAPTI portal, the total dues of power distribution companies (DISCOMs) towards supplier (i.e. Independent Power Producer (IPP), Central Public Sector Enterprises (CPSE) & Renewable Energy (RE) Generators) as on 30.01.2023 are:-

Sl. No.	Particular	Amount in Rs. Crore
1	Balance Legacy Dues (after payment of 6 EMIs)	1,01,158.66
2	Current Dues (Excluding Disputed and before default trigger date)	34,359.18
3	Overdues excluding Disputed after default trigger date	25.20

The State/UT-wise details of total dues furnished by DISCOMs and PRAAPTI Portal as on 30.01.2023 are given at Annexure.

(b) & (c) : In cases of persistent and continuing default in payment of dues, Central Government invokes the Tri-Partite Agreement (TPA) among Centre, RBI and State Government to recover the dues.

(d) : Recognizing the cash flow problems arising out of outstanding receivables of Generating Companies from DISCOMs and in order to enforce payment discipline in the power sector value chain, Government of India promulgated Electricity (Late Payment Surcharge and Related Matters) Rules, 2022 on 3rd June, 2022. These rules entail obligations upon the DISCOMs to clear their legacy dues as existing on 03.06.2022 in a time bound phased manner in equated monthly installments with benefits of non applicability of late payment surcharge after 03.06.2022. These rules also provide framework for time bound clearance of current dues through establishment of a Payment Security Mechanism and disincentives of progressive withdrawal of open access as well as power regulations if the provisions of the Rules are not followed. DISCOMs can avail loans from PFC Ltd. and REC Ltd. to clear their legacy dues to Generating Companies.

Under the Revamped Distribution Sector Scheme (RDSS) launched by Government of India, compliance to LPS Rules by Discoms been prescribed under the Result Evaluation Framework for evaluating the DISCOMs for availing financial assistance under the scheme.

Further, Ministry of Power, has introduced additional prudential guidelines for sanctioning of working capital loans to State DISCOMs/ TRANSCOs/ GENCOs. These essentially entail that loans to DISCOMs and other State owned utilities would be contingent to their performance against prescribed conditions. The prudential norms, among other conditions, include compliance to LPS Rules by Discoms. The Ministry of Power has also requested all other FIs/ Banks to adopted and implement the Revised Additional Prudential Norms for working capital loan to DISCOMs/ TRANSCOs/ GENCOs.

ANNEXURE

ANNEXURE REFERRED IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 1175 ANSWERED IN THE LOK SABHA ON 09.02.2023

State/UT-wise details of total dues available from DISCOMs and PRAAPTI Portal as on 30.01.2023

Sl. No.	State	DISCOMs	Amount in Rs. Crores		
			Legacy Dues	Current Dues (Excluding Disputed and before default trigger date)	Overdues Excluding Disputed After Trigger Date
1	Andhra Pradesh	Andhra Pradesh Central Power Distribution Company Limited	8,568.37	28.48	-
		Andhra Pradesh Eastern Power Distribution Company Limited		53.86	-
		Andhra Pradesh Power Purchase Coordination Committee		945.03	0.13
		Andhra Pradesh Southern Power Distribution Company Limited		251.45	0.09
2	Arunachal Pradesh	Arunachal Power Distribution Department	-	52.37	-
3	Assam	Assam Power Distribution Company Limited	-	507.77	-
4	Bihar	North Bihar Power Distribution Company Ltd.	214.76	885.14	-
		South Bihar Power Distribution Company Ltd.	273.58	1,056.67	-
5	Chandigarh	Chandigarh Electricity Department	-	7.17	0.02
6	Chhattisgarh	Chhattisgarh State Power Distribution Company Limited	3,537.70	844.74	0.00
7	Delhi	BSES Rajdhani Power Limited	-	283.70	-
		BSES Yamuna Power Limited	-	62.62	-
		Delhi Tata Power Distribution Limited	-	436.13	-
		The New Delhi Municipal Council	-	0.84	-
8	DNH & DD	Dadra and Nagar Haveli and Daman and Diu Power Distribution Corporation Limited	-	265.53	-
9	Goa	Goa Power Department	-	56.27	-
10	Gujarat	Gujarat Urja Vikas Nigam Limited	-	2,709.84	0.00
11	Haryana	Haryana Power Purchase Centre	-	1,099.14	0.00
12	Himachal Pradesh	Himachal Pradesh State Electricity Board Limited	-	199.65	-
13	Jammu and Kashmir	Jammu And Kashmir State Power Trading Company Limited	10,081.44	376.76	0.06
14	Jharkhand	Jharkhand Bijli Vitran Nigam Limited	4,420.20	450.53	-

15	Karnataka	Bangalore Electricity Supply Company Ltd.	6,274.50	1,162.09	0.22
		Chamundeshwari Electricity Supply Corporation Limited	1,091.80	245.24	-
		Gulbarga Electricity Supply Company Ltd.	1,761.68	329.56	-
		Hubli Electricity Supply Company Ltd.	2,077.96	530.25	0.24
		Mangalore Electricity Supply Company Ltd.	109.62	23.18	-
16	Kerala	Kerala State Electricity Board Limited	-	872.15	12.13*
17	Madhya Pradesh	Madhya Pradesh Power Management Co Ltd	7,224.67	2,330.93	0.01
18	Maharashtra	Best Undertaking	-	2.14	-
		Maharashtra State Electricity Distribution Co. Ltd	14,963.44	3,738.74	0.00
19	Manipur	Manipur State Power Distribution Company Limited	80.63	64.11	0.03
20	Meghalaya	Meghalaya Power Distribution Corporation Limited	-	75.81	-
21	Mizoram	Mizoram Power Department	-	54.60	12.49**
22	Nagaland	Nagaland Power Department	-	56.50	-
23	Odisha	Grid Corporation of Odisha	-	627.18	-
24	Puducherry	Puducherry Power Department	-	189.78	-
25	Punjab	Punjab State Power Corporation Limited	-	1,699.22	-
26	Rajasthan	Ajmer Vidyut Vitran Nigam Ltd.	2,343.60	699.38	-
		Jaipur Vidyut Vitran Nigam Ltd.	5,523.18	1,038.92	-
		Jodhpur Vidyut Vitran Nigam Ltd.	5,177.77	890.19	-
27	Sikkim	Sikkim Power Department	-	7.49	-
28	Tamil Nadu	Tamil Nadu Generation & Distribution Corporation Limited	14,752.71	4,132.46	-
29	Telangana	Telangana State Northern Power Distribution Company	2,035.51	344.67	-
		Telangana State Southern Power Distribution Company	4,897.53	1,179.02	-
30	Tripura	Tripura State Electricity Corporation Limited	-	135.11	-
31	Uttar Pradesh	Uttar Pradesh Power Corporation Ltd	5,748.00	3,962.55	-
32	Uttarakhand	Uttarakhand Power Corporation Limited	-	47.96	-
33	West Bengal	Damodar Valley Corporation	-	65.28	-
		West Bengal State Electricity Distribution Company Ltd.	-	559.79	-
	Grand Total		1,01,158.66	34,359.18	25.20

*State of Kerala paid the overdue amount and is presently not under regulation as per the rules

**State of Mizoram is under regulation as per the rules

**GOVERNMENT OF INDIA
MINISTRY OF POWER
LOK SABHA
UNSTARRED QUESTION NO.1196
ANSWERED ON 09.02.2023**

MENACE OF ILLEGAL ELECTRICITY CONNECTIONS

**1196. SHRI BIDYUT BARAN MAHATO:
SHRI SUDHEER GUPTA:
SHRI SANJAY SADASHIVRAO MANDLIK:
SHRI PRATAPRAO JADHAV:
SHRI DHAIRYASHEEL SAMBAJIRAO MANE:
SHRI SHRIRANG APPA BARNE:**

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

- (a) whether the Government is aware of the persistent menace of illegal electricity connections and theft of power across the country and if so, the details thereof;**
- (b) whether theft of power has an adverse effect on the development of power sector and if so, the details thereof along with the response of the Government thereto;**
- (c) the details of the Amount of Technical and Commercial (AT&C) losses incurred due to illegal connections and other cases of theft of power during each of the last three years and the current year, State/UT-wise;**
- (d) the details of the punitive action proposed against guilty persons;**
- (e) the other steps taken/being taken by the Government to stop theft of electricity in the country; and**
- (f) whether the Government in consultation with the States propose to prepare any plan to check theft of power in the country 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) & (b) : Illegal electricity connections and theft of power affects the financial health of the distribution companies with consequential effects like poor quality of power. The Aggregate Technical & Commercial (AT&C) loss is one of the key indicators of DISCOMs performance, which includes impact of power theft also. It is the prime responsibility of respective Distribution Utilities to take adequate measures to stop power theft. However, Govt. of India supplements the efforts of States/ distribution utilities by providing funding for the purpose under various schemes launched from time to time. To facilitate the reduction of AT&C losses and to improve power distribution system, the Government has launched the Revamped Distribution Sector Scheme (RDSS). This Scheme aims to reduce the AT&C losses, on pan-India basis, in the range of 12-15% by 2024-25.

.....2.

(c) : **Illegal connection and theft of electricity is one of the several reasons for AT&C losses of the power distribution utilities. As per the 'Report on Performance of Power Utilities' published by Power Finance Corporation (PFC) total AT&C losses in the country attributable to various factors during the FY 2018-19 to FY 2020-22 are given below:**

National Level Figures	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22 (Provisional)
AT&C Losses (%)	21.64	20.73	22.32	16.68

The State-wise and Utility-wise details of AT&C Losses are given at Annexure.

(d) to (f) : **Following steps have been taken by the Government of India to control the theft of power:**

- i. There are specific provisions in the Electricity Act 2003 (Section 126 and Sections 135 to 140) relating to theft and unauthorized use of electricity, including stringent penal provisions and speedy trial for such offences by Special Courts (Part XV of the Electricity Act 2003);**
- ii. Under RDSS, there is a provision for providing financial assistance to the eligible DISCOMs for installation of pre-paid smart meters for 25 crore consumers and system metering with communication features by March 2025. Under the scheme, advanced ICT like Artificial Intelligence & Machine Learning (AI/ML) would be leveraged to analyse data generated through smart meters to detect the theft cases and to prepare actionable MIS from system generated energy accounting reports so as to enable the DISCOMs to take informed decisions on power theft along with loss reduction.**
- iii. Also under the scheme, financial assistance is being provided to the eligible Discoms for upgradation of distribution infrastructure including measures for reduction of losses and theft by use of ABC cable/UG cable/HVDS etc. This will facilitate to reduce the losses of distribution utilities including theft of electricity.**
- iv. As per Electricity (Rights of Consumers) Rules, 2020, the distribution licensee shall arrange to display on its website feeder wise outage data, efforts made for minimizing outages, prevention of theft or unauthorized use of electricity or tampering, distress or damage to electrical plant, electric lines or meter and results obtained during the year.**
- v. Tariff Policy 2016 envisages that in order to reduce theft of power, the distribution companies should have enabling feature like distribution SCADA with distribution management system and energy audit functions.**

ANNEXURE REFERRED IN REPLY TO PART (c) OF UNSTARRED QUESTION NO. 1196 ANSWERED IN THE LOK SABHA ON 09.02.2023

State-wise and utility-wise details of AT&C Losses

	2018-19	2019-20	2020-21
Andaman & Nicobar Islands	23.43	23.34	51.94
Andhra Pradesh	25.67	10.77	27.25
Arunachal Pradesh	52.53	40.49	44.87
Assam	20.19	23.39	18.73
Bihar	33.30	39.95	35.33
Chandigarh	13.50	15.86	11.89
Chhattisgarh	24.96	18.46	20.40
Dadra & Nagar Haveli	5.45	3.56	5.17
Daman & Diu	6.19	4.07	4.48
Goa	17.61	11.41	12.94
Gujarat	14.05	11.79	11.91
Haryana	18.08	18.26	17.05
Himachal Pradesh	12.46	13.33	14.02
Jammu & Kashmir	49.94	60.46	59.28
Jharkhand	28.33	37.13	41.36
Karnataka	19.82	17.58	15.36
Kerala	9.10	13.12	7.76
Lakshadweep	26.82	13.69	11.63
Madhya Pradesh	36.63	30.38	41.47
Maharashtra	15.80	19.24	26.55
Manipur	25.26	23.30	20.33
Meghalaya	35.22	31.67	30.88
Mizoram	16.20	20.66	36.53
Nagaland	65.73	64.79	60.39
Odisha	31.55	28.94	29.32
Puducherry	19.77	18.45	19.92
Punjab	11.28	14.35	18.03
Rajasthan	28.25	29.86	26.23
Sikkim	41.83	28.77	29.37
Tamil Nadu	17.86	15.00	13.81
Telangana	18.41	21.92	13.33
Tripura	38.03	35.71	37.36
Uttar Pradesh	33.19	30.05	27.45
Uttarakhand	17.45	20.35	15.39
West Bengal	23.00	20.40	21.35
State Sector	22.44	21.50	23.01
Delhi	9.12	8.26	8.87
BRPL	9.04	8.33	9.70
BYPL	10.76	8.54	9.41
TPDDL	7.99	7.96	7.39
Gujarat	5.20	4.59	6.46
Torrent Power Ahmadabad	5.81	5.07	6.76
Torrent Power Surat	3.71	3.43	5.66
Maharashtra	8.11	9.06	8.85
AEML	8.11	9.06	8.85
Uttar Pradesh	9.36	9.73	9.77
NPCL	9.36	9.73	9.77
West Bengal	9.23	9.25	13.17
CESC	9.73	9.52	14.04
IPCL	2.68	5.87	3.52
Private Sector	8.29	7.95	9.27
Grand Total	21.64	20.73	22.32

**GOVERNMENT OF INDIA
MINISTRY OF POWER
LOK SABHA
UNSTARRED QUESTION NO.1204
ANSWERED ON 09.02.2023**

INDEPENDENT POWER PRODUCERS

1204. SHRI VELUSAMY P.:

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

- (a) the details of the total amount due on the independent power producers by the State Governments and the amount due on Tamil Nadu Government;
- (b) whether Tamil Nadu Generation and Distribution Corporation Limited (TANGEDCO), the power distributing state owned company has cleared the dues to Infrastructure Leasing & Finance Services (ILFS);
- (c) if so, the amount recovered and the amount due on the independent power producers as on date;
- (d) whether the Union Government would provide power to Tamil Nadu at concessional rate since the State is facing severe power shortage as of today;
- (e) if so, the details thereof and if not, the reasons therefor;
- (f) the steps taken/proposed to be taken for implementing One Nation One Grid; and
- (g) the expected date of bringing one grid for the entire nation?

A N S W E R

THE MINISTER OF POWER AND NEW & RENEWABLE ENERGY

(SHRI R.K. SINGH)

(a) : As per data provided by the power distribution companies and data available on the PRAAPTI Portal, total dues of power distribution companies (DISCOMs) towards Independent Power Producers (IPPs) as on 31.01.2023 are given below:

Sl. No.	Particular	Total IPP Dues of all DISCOMs (in Rs. Crore)	Total IPP Dues of TANGEDCO (in Rs. Crore)
1.	Balance Legacy Dues* (after payment of 6 EMIs)	14,953.40	6,595.23
2.	Current Dues (before default trigger date** and excluding disputed amount)	7,619.78	987.31

*Legacy Dues: As per Electricity (Late Payment Surcharge and Related Matters) Rules, 2022, dues prior to 3rd June, 2022

** Default trigger date: As per the rules, in case of non-payment of current dues, one month after the due date of payment or two and half months after the presentation of bill by the generating company, electricity trading licensee or the transmission licensee, as the case may be, whichever is later.

.....2.

(b) & (c) : As per data provided by Tamil Nadu Generation and Distribution Corporation Limited (TANGEDCO) and data available on the PRAAPTI Portal, total dues to Infrastructure Leasing & Finance Services (IL&FS) as on 31.01.2023 are given below:

Sl. No.	TANGEDCO dues to IL&FS Tamil Nadu Power Company Ltd	Amount (in Rs. Crore)
1.	Balance Legacy Dues (after payment of 6 EMIs)	1,815.82
2.	Current Dues (before default trigger date and excluding Disputed Amount)	199.95

(d) & (e) : As per Section 62 of the Electricity Act, 2003, the Appropriate Electricity Regulatory Commission determines the electricity tariff for supply of electricity by a Generating company to a distribution licensee, transmission of electricity, wheeling of electricity and retail sale of electricity. Section 61 of the Electricity Act, 2003 and the tariff policy provide the guiding principles and the terms and conditions for determination of tariff by the Appropriate Commission.

(f) & (g) : Initially, to start the integration of regional grids leading to formation of a National Grid, the regional grids were interconnected through HVDC links for controlled power flow. The first Inter-Regional AC link (220 kV) was established between Eastern Region (ER)-North Eastern Region (NER) in 1992. The large scale grid integration started in 2003 with establishment of 400 kV Rourkela-Raipur Double circuit (D/c) line, interconnecting Eastern Region-Western Region. The synchronous National Grid was established in 2013 after commissioning of 765 kV Solapur- Raichur lines, interconnecting Western Region(WR)-Southern Region (SR), fulfilling "One Nation-One Grid-One Frequency". In January 2019, the 220kV Srinagar-Leh Transmission System was commissioned which connected the remote Leh region to the Nation Grid.

**GOVERNMENT OF INDIA
MINISTRY OF POWER
LOK SABHA
UNSTARRED QUESTION NO.1205
ANSWERED ON 09.02.2023**

FUNDS SANCTIONED UNDER DDUGJY

1205. SHRI TOKHEHO YEPTHOMI:

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

(a) the details of funds sanctioned/released under Deen Dayal Upadhyaya Gram Jyoti Yojana (DDUGJY), Integrated Power Development Scheme (IPDS), SAUBHAGYA, Ujwal DISCOM Assurance Yojana (UDAY) and Revamped Distribution Sector Scheme(RDSS) in the State of Nagaland since March, 2018 to December, 2022, year-wise; and

(b) whether the said power projects have been completed and if not, the reasons therefor?

A N S W E R

THE MINISTER OF POWER AND NEW & RENEWABLE ENERGY

(SHRI R.K. SINGH)

(a) & (b) : No upfront allocation of funds was done for any State/District under Deen Dayal Upadhyaya Gram Jyoti Yojana (DDUGJY), Integrated Power Development Scheme (IPDS) and Saubhagya. Funds were released for sanctioned projects in instalments based on the reported utilization of funds released in the previous instalments and fulfilment of stipulated conditions. The schemes, DDUGJY, IPDS and Saubhagya got closed on 31.03.2022. Year-wise details of funds sanctioned/released under DDUGJY, Saubhagya and IPDS are as under:

(Rs. in Cr.)

Grant Released (and utilized) to the Nagaland under DDUGJY and Saubhagya							
Scheme	2018-19	2019-20	2020-21	2021-22	2022-23	Total	Utilized
Saubahgya	34	0	0	15	0	49	49
DDUGJY (i/c RE and Addl Infra)	55	24	11	51	-	141	118

IPDS: Under IPDS, projects for sub-transmission & distribution strengthening works (ST&D) and Enterprise Resource Planning (ERP) were sanctioned for two (02) circles of Nagaland covering 12 eligible towns. The projects have been declared complete and closed by the State within the sunset timeline of March, 2022. Project-wise details are as under:

(Rs. in Cr)

Project	Project completion cost	Gol grant based on project completion cost	Cumulative Gol grant disbursed
ST&D	115	98	96
ERP	16	13	12
Total	131	111	108

Year-wise details of sanction and disbursement for Nagaland under IPDS are as under:-

(Rs. in Cr)

Financial Year	Project Completion cost (Cumulative)	Gol Grant sanctioned (Cumulative)	Gol Grant disbursed
FY 2016-17	131	111	4
FY 2017-18			7
FY 2018-19			8
FY 2019-20			74
FY 2020-21			-
FY 2021-22			16
Total	131	111	108

Ujwal DISCOM Assurance Yojana (UDAY) - UDAY was launched in November, 2015 for financial and operational turnaround of state-owned power distribution companies. Under UDAY, there was no financial assistance provision from Government of India.

Revamped Distribution Sector Scheme (RDSS) - Government of India approved "Revamped Distribution Sector Scheme: Which is a Reforms-Based and Results-linked Scheme" was launched on 30.06.2021 with the objective of improving the quality and reliability of power supply to consumers through a financially sustainable and operationally efficient distribution sector. The Scheme aims to reduce the AT&C losses to pan-India levels of 12-15% and eliminate the ACS-ARR gaps by 2024-25. Under RDSS, Smart Metering works and Loss Reductions works have been recently sanctioned. Details of works sanctioned under RDSS for the State of Nagaland are at Annexure.

ANNEXURE

ANNEXURE REFERRED IN REPLY TO PARTS (a) & (b) OF UNSTARRED QUESTION NO. 1205 ANSWERED IN THE LOK SABHA ON 09.02.2023

(Rs. in crores)

Smart Metering Works – Sanction details							Loss reduction works – Sanction details						
Project Cost	PMA Charges	Project Cost incl PMA	GBS for Project (excl. incentives and PMA)	Incentives for Phase-1	GBS for PMA	GBS for Project Cost incl PMA	Project Cost	PMA Charges	Project cost including PMA	GBS for project cost	GBS for PMA	GBS for Project cost including PMA	Counter-part funding
206.41	1.16	207.57	46.44	12.18	1.044	47.484	385.4	5.78	391.18	346.86	5.202	352.062	39.118

**GOVERNMENT OF INDIA
MINISTRY OF POWER
LOK SABHA
UNSTARRED QUESTION NO.1210
ANSWERED ON 09.02.2023**

NEW COAL-FIRED PLANTS

**1210. SHRI MANOJ KOTAK:
SHRIMATI RAKSHA NIKHIL KHADSE:**

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

- (a) whether the Government proposes to build new coal-fired plants because of the lower generation cost to meet the increasing demand of power;**
- (b) if so, the details thereof;**
- (c) the details of the locations fixed for establishing the new Coal-fired thermal power generation plants;**
- (d) whether the Government proposes to increase the capacity of power generation of the already existing plants and if so, the details thereof; and**
- (e) whether the Government proposes to take over the State owned thermal plants to enhance the power generation capacity 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) 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". Central Electricity Authority monitors capacity addition of power plants. 8 Number of Central Sector thermal power projects having capacity of 12580 Megawatt (MW) and 11 number of State Sector thermal power projects having capacity of 13660 MW are under construction to increase the capacity of thermal power generation in the country. Details of location of these plants are at Annexure.

(e) : Ministry of Power has no proposal to take over the state owned thermal plants to enhance the power generation capacity.

ANNEXURE

ANNEXURE REFERRED IN REPLY TO PARTS (a) TO (d) OF UNSTARRED QUESTION NO. 1210 ANSWERED IN THE LOK SABHA ON 09.02.2023

List of under construction thermal power projects in India

(As on 25-01-2023)

Sl. No.	NAME OF PROJECT	STATE	DEVELOPER	UNIT NO.	CAPACITY (MW)	LOA DATE	ANTICIPATED TRIAL RUN DATE
Central Sector							
1	Barh STPP-I	Bihar	NTPC	U-2	660	Mar-2005	Mar-2023
				U-3	660	Mar-2005	Mar-2024
2	North Karanpura STPP	Jharkhand	NTPC	U-2	660	Feb-2014	Nov-2023
				U-3	660	Feb-2014	Mar-2024
3	Telangana STPP St- I	Telangana	NTPC	U-1	800	Feb-2016	Feb-2023
				U-2	800	Feb-2016	Jun-2023
4	Talcher TPS, St-III	Odisha	NTPC	U-1	660	Sept-2022	Nov-2026
				U-2	660	Sept-2022	May-2027
5	Patratu STPP	Jharkhand	PVUNL	U-1	800	Mar-2018	Jun-2024
				U-2	800	Mar-2018	Dec-2024
				U-3	800	Mar-2018	Mar-2025
6	Buxar TPP	Bihar	SJVN	U-1	660	Jun-2019	Dec-2023
				U-2	660	Jun-2019	Mar-2024
7	Ghatampur TPP	Uttar Pradesh	NUPPL	U-1	660	Aug-2016	May-2023
				U-2	660	Aug-2016	Aug-2023
				U-3	660	Aug-2016	Nov-2023
8	Khurja SCTPP	Uttar Pradesh	THDC	U-1	660	Aug-2019	Feb-2024
				U-2	660	Aug-2019	Aug-2024
Sub Total					12580		
State Sector							
9	Ennore SCTPP	Tamil Nadu	TANGEDCO	U-1	660	Sep-2014	Mar-2024
				U-2	660	Sep-2014	May-2024
10	North Chennai TPP St-III	Tamil Nadu	TANGEDCO	U-1	800	Jan-2016	Mar-2023
11	Udangudi STPP Stage I	Tamil Nadu	TANGEDCO	U-1	660	Dec-2017	Mar-2024
				U-2	660	Dec-2017	Jun-2024
12	Yadadri TPS	Telangana	TSGENCO	U-1	800	Oct-2017	Jun-2023
				U-2	800	Oct-2017	Aug-2023
				U-3	800	Oct-2017	Dec-2023
				U-4	800	Oct-2017	Apr-2024
				U-5	800	Oct-2017	Aug-2024
13	Jawaharpur STPP	Uttar Pradesh	UPRVUNL	U-1	660	Dec-2016	Jun-2023
				U-2	660	Dec-2016	Dec-2023
14	Obra-C STPP	Uttar Pradesh	UPRVUNL	U-1	660	Dec-2016	Jun-2023
				U-2	660	Dec-2016	Dec-2023
15	Panki TPS Extn.	Uttar Pradesh	UPRVUNL	U-1	660	Mar-2018	Jan-2024
16	Dr.Narla Tata Rao TPS St-V	Andhra Pradesh	APGENCO	U-1	800	Dec-2015	Mar-2023
17	Sri Damodaran Sanjeevaiah TPP St-II	Andhra Pradesh	APPDCL	U-1	800	Nov-2015	Feb-2023
18	Bhusawal TPS	Maharashtra	MAHAGENCO	U-6	660	Jan-2018	Jun-2023
19	Sagardighi Thermal Power Plant Ph-III	West Bengal	WBPDCL	U-1	660	Dec-2018	Sep-2024
Sub Total					13660		
Grand Total					26240		

**GOVERNMENT OF INDIA
MINISTRY OF POWER
LOK SABHA
UNSTARRED QUESTION NO.1223
ANSWERED ON 09.02.2023**

COMPETITIVE PRICE SIGNALS

1223. SHRI MAGUNTA SREENIVASULU REDDY:

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

- (a) the details of measures taken/being taken by the Government to deepen the green market and to provide competitive price signals;**
- (b) the progress made in this regard along with, State/UT-wise;**
- (c) the details of new products like Green Day Ahead Market (G-DAM) and Green-Term Ahead Market (G-TAM); and**
- (d) the expected benefits to be attained in this respect?**

A N S W E R

THE MINISTER OF POWER AND NEW & RENEWABLE ENERGY

(SHRI R.K. SINGH)

(a) to (d) : Ministry of Power has taken following initiatives to deepen the market for green electricity and to provide competitive price signals:

- 1. For unshackling the Renewable Energy(RE) Sector, i.e. to remove barriers in availability and utilisation of RE and to address the issues that have hindered the growth of open access for a long time, Electricity (Promoting Renewable Energy through Green Energy Open Access) Rules, 2022 have been issued. The Rules reduces the Open Access limit from 1 MW to 100 kW, which pave the way for small consumers also to purchase RE and there is no limit for Captive Consumers.**
- 2. Electricity (Promotion of generation of Electricity from Must-Run Power Plant) Rules, 2021 rules have been notified to provide that in the event of a curtailment of supply from a must-run power plant, the RE generator is also allowed to sell power in the power exchange and recover the cost.**
- 3. Waiver of inter-State transmission charges and losses on transmission of the electricity generated from solar and wind sources of energy for the projects up to 30th June, 2025 will make the electricity purchase from renewable energy cheaper and competitive.**
- 4. Real Time Market (RTM) was introduced in June, 2020, this allows DISCOMs/Buyers to buy power with an advance notice of one hour and meet the challenges related to grid management due to intermittent and variable nature of RE generation.**

5. Green Term Ahead Market (GTAM) and Green Day Ahead Market (G-DAM) enables procurement of green energy through Power Exchanges which is accounted towards the Renewable Purchase Obligation of Obligated Entities.

6. The Renewable Energy Certificate (REC) market has been redesigned effective from 5th December, 2022. The REC life has been increased to perpetuity with no floor and forbearance price. The market has also become fungible with single RECs market instead of Solar and Non-Solar segments.

In addition to existing Day Ahead Market (DAM) Segment at Power Exchange, an additional Green Day Ahead Market (GDAM) is available for allowing exclusive trade in Renewable Energy since October, 2021. The participants submit their bids in two parts, i.e., quantity and price they would be willing to buy or sell in GDAM and DAM based on their eligibility criteria. Participants have option to choose if they would like to transfer unselected quantity in GDAM to the DAM and can also price it differently. Market Clearing or Price Discovery takes place in a sequential manner i.e., first GDAM is cleared followed by DAM. The buyers can claim RPO credit based on the power purchased by the Buyer in GDAM. RE Sellers cleared in DAM may claim issuance of RECs. Total volume traded in GDAM since October 2021 to January 2023 is 4186.64 Million Units (MU).

Green Term Ahead Market (G-TAM) segment functioning since August, 2020 comprises of contracts for trade in electricity generation from renewable energy sources. There are three sub-segments within G-TAM market namely Solar, Non-Solar and Hydro. In Solar sub-segment, only electricity generated from solar energy sources is traded and in Non-Solar sub-segment, electricity generated from renewable energy sources other than Solar energy sources is traded and in Hydro sub-segment, only electricity generated from Hydro energy sources, which are eligible for compliance of Hydro Purchase Obligation (HPO). Under this segment RE can be traded for time horizon of intra-day, day ahead contingency, Daily, Weekly, Monthly and Any day single sided contract which provides flexible procurement of power up to 90 days as per the requirement of the participants. Total volume traded in GTAM since August, 2020 to January, 2023 is 8509.49 Million Units (MU).

The month-wise trading in G-DAM and G-TAM segments is at Annexure-I. The State/UT-wise break up is at Annexure-II.

Market based opportunities for sale and purchase of RE would help in faster expansion of new RE capacities as it builds up investor confidence in viability of RE projects.

ANNEXURE REFERRED IN REPLY TO PARTS (a) TO (d) OF UNSTARRED QUESTION NO. 1223 ANSWERED IN THE LOK SABHA ON 09.02.2023

Month-wise Trading in G-DAM segment (Inclusive of IEX, PXIL & HPX) is provided in the Table below:

Sr. No.	Month	Buy (MU)
1	Oct-21	19
2	Nov-21	149
3	Dec-21	157
4	Jan-22	198
5	Feb-22	191
6	Mar-22	205
7	Apr-22	214.73
8	May-22	493.17
9	Jun-22	362.23
10	Jul-22	446.58
11	Aug-22	320.50
12	Sep-22	324.64
13	Oct-22	292.92
14	Nov-22	288.27
15	Dec-22	237.97
16	Jan-23	285.15
	Grand Total	4186.64

Month-wise Trading in G-TAM segment (Inclusive of IEX, PXIL & HPX) is provided in the Table below:

Sr. No.	Month	Buy (MU)
1	Aug-20	2.93
2	Sep-20	82.85
3	Oct-20	208.39
4	Nov-20	164.28
5	Dec-20	89.78
6	Jan-21	92.40
7	Feb-21	93.73
8	Mar-21	51.46
9	Apr-21	191.69
10	May-21	357.74
11	Jun-21	439.34
12	Jul-21	741.63
13	Aug-21	445.27
14	Sep-21	602.53
15	Oct-21	422.69
16	Nov-21	422.19
17	Dec-21	447.88
18	Jan-22	237.65
19	Feb-22	655.52
20	Mar-22	497.46
21	Apr-22	328.74
22	May-22	535.36
23	Jun-22	234.02
24	Jul-22	193.43
25	Aug-22	177.98
26	Sep-22	154.69
27	Oct-22	141.27
28	Nov-22	153.23
29	Dec-22	221.89
30	Jan-23	121.48
	Grand Total	8,509.49

ANNEXURE-II

ANNEXURE REFERRED IN REPLY TO PARTS (a) TO (d) OF UNSTARRED QUESTION NO. 1223 ANSWERED IN THE LOK SABHA ON 09.02.2023

Figures in Million Units (MUs)

Sl. No.	State/UT Name	GDAM		GTAM		Total	
		Buy	Sell	Buy	Sell	Buy	Sell
1	Chandigarh	0.00	0.00	0.00	0.00	0.00	0.00
2	Delhi	204.66	3.46	59.61	18.30	264.28	21.75
3	Himachal Pradesh	2.58	31.29	0.00	91.89	2.58	123.19
4	Haryana	79.63	0.01	65.97	0.00	145.60	0.01
5	J&K	0.00	84.97	0.00	11.91	0.00	96.88
6	Punjab	386.47	0.00	0.75	0.00	387.22	0.00
7	Rajasthan	25.93	27.56	2.29	21.81	28.21	49.36
8	Uttarakhand	2.53	0.00	5.75	0.00	8.28	0.00
9	Uttar Pradesh	111.53	22.95	134.17	0.66	245.70	23.61
10	Andhra Pradesh	4.01	839.60	7.71	1.63	11.72	841.23
11	Karnataka	128.69	539.39	0.00	731.47	128.69	1270.86
12	Kerala	55.46	24.21	0.00	0.20	55.46	24.41
13	Pondicherry	0.00	0.00	0.00	0.00	0.00	0.00
14	Telangana	8.28	202.99	0.00	74.70	8.28	277.68
15	Tamil Nadu	39.53	0.11	0.00	0.00	39.53	0.11
16	Bihar	0.00	0.00	0.00	0.00	0.00	0.00
17	DVC	230.35	0.00	27.62	10.50	257.97	10.50
18	Jharkhand	114.80	0.00	0.00	0.00	114.80	0.00
19	Orissa	76.23	0.00	447.27	0.00	523.50	0.00
20	Sikkim	0.00	5.01	0.00	0.90	0.00	5.92
21	West Bengal	37.12	0.00	58.32	0.00	95.44	0.00
22	Chhattisgarh	0.00	0.00	0.00	0.00	0.00	0.00
23	Daman & Diu Dadra & Nagar Haveli	140.80	0.00	74.91	0.93	215.71	0.93
24	Goa WR	0.00	0.00	0.00	0.00	0.00	0.00
25	Gujarat	317.40	0.00	289.49	27.14	606.89	27.14
26	Madhya Pradesh	87.87	133.15	0.00	20.51	87.87	153.66
27	Maharashtra	353.70	41.76	156.53	0.00	510.23	41.76
28	Arunachal Pradesh	0.00	0.00	0.00	0.00	0.00	0.00
29	Assam	151.03	0.00	0.00	0.00	151.03	0.00
30	Meghalaya	5.80	0.00	0.23	0.00	6.04	0.00
31	Manipur	0.00	0.00	0.00	0.00	0.00	0.00
32	Mizoram	0.00	0.00	0.00	0.00	0.00	0.00
33	Nagaland	0.00	0.00	0.00	0.00	0.00	0.00
34	Tripura	0.00	0.00	0.00	0.00	0.00	0.00
Total		2564.40	1956.46	1330.62	1012.55	3895.02	2969.01

*Data is for the period: April 2022 to December 2022

**GOVERNMENT OF INDIA
MINISTRY OF POWER
LOK SABHA
UNSTARRED QUESTION NO.1237
ANSWERED ON 09.02.2023**

ELECTRICITY TO ALL VILLAGES OF HARYANA

†1237. SHRI DHARAMBIR SINGH:

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

- (a) whether the Government's proposal to provide 24-hour electricity across all the villages of Haryana has been fully implemented;**
- (b) if so, the number of villages in which the power is being supplied round the clock till date and if not, the time by which it is likely to be fully implemented; and**
- (c) the steps taken/being taken by the Government for the supply of electricity at the village level?**

A N S W E R

THE MINISTER OF POWER AND NEW & RENEWABLE ENERGY

(SHRI R.K. SINGH)

(a) to (c) : Electricity is in the concurrent list and supply/distribution of electricity to all consumers of urban and rural areas is being carried out by Distribution Companies under the respective State Governments and/or State Power Utilities. Government of India has been helping the States through its various schemes including Deen Dayal Upadhyaya Gram Jyoti Yojana (DDUGJY) and Integrated Power Development Scheme (IPDS) to achieve the objective of providing uninterrupted power supply to all households. Under the recently launched Revamped Distribution Sector Scheme (RDSS), the State Power Distribution Utilities are financially supported to strengthen Distribution infrastructure and the fund releases under the scheme is linked to initiation of reforms and achievement of results that also includes trajectories for improving electricity supply hours to urban and rural consumers.

All the States and the Union Territories (UTs) have signed MoUs with the Central Government to ensure 24x7 power supply w.e.f. 1st April,2019 onwards. Many States and UTs claim to supply 24x7 power other than the planned outages and interruptions due to unforeseen events.

DISCOMs of Haryana i.e. Uttar Haryana Bijli Vitran Nigam limited (UHBVN) has reported that 3263 no. of villages out of 3590 no. of villages under the jurisdiction of UHBVN are getting 24x7 hour supply. Dakshin Haryana Bijli Vitran Nigam (DHBVN) has reported that 2431 no. of villages out of 3665 no. of villages under the jurisdiction of DHBVN are getting 24x7 hour supply.

State Government of Haryana has reported that they have also planned to provide 24-hour electricity to all the villages of Haryana under Mahra Gaon Jagmag Gaon Scheme.

Following step are being taken by State Government of Haryana to provide reliable and round the clock supply to villages:

- i. Installation of new transformers and augmentation of existing overloading transformer to maintain continuity of supply.**
- ii. Replacement of worn out conductor.**
- iii. Creation and augmentation of power transformer at 33 kv substation.**
- iv. Replacement of overhead conductor with cable.**
- v. Installation of meters outside consumer's premises.**

**GOVERNMENT OF INDIA
MINISTRY OF POWER
LOK SABHA
UNSTARRED QUESTION NO.1245
ANSWERED ON 09.02.2023**

IMPLEMENTATION OF DDUGJY

**1245. SHRIMATI SUPRIYA SULE:
SHRI MAHESH SAHOO:
SHRI RAHUL KASWAN:**

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

- (a) the present status of the implementation of Deendayal Upadhyaya Gram Jyoti Yojana (DDUGJY) in the country and in different districts of Maharashtra and Odisha;
- (b) whether the Government has achieved the targets fixed under the said yojana and if so, the percentage of the target achieved so far, State/UT and year-wise and if not, the corrective steps taken in this regard;
- (c) the quantum of funds earmarked, sanctioned and spent under the said yojana during each of the last three years and the current year in the country, State/UT-wise including Maharashtra and Odisha; and
- (d) the number of backward districts/villages dominated by the SCs/STs, targeted to be electrified during the current year, particularly in Maharashtra and Odisha?

A N S W E R

THE MINISTER OF POWER AND NEW & RENEWABLE ENERGY

(SHRI R.K. SINGH)

(a) & (b) : Government of India launched the Deen Dayal Upadhyaya Gram Jyoti Yojana (DDUGJY) to connect every inhabited village with electricity, and to strengthen distribution system. All inhabited villages as per Census 2011 stood electrified as on 28th April, 2018 across the country. A total of 18,374 villages were electrified under this Scheme. The Scheme got closed on 31.3.2022. Works under DDUGJY have been completed in the State of Maharashtra and Odisha. State/UT-wise details of targets set and infrastructure created under DDUGJY are at Annexure-I. District-wise details of infrastructure created under DDUGJY in the State of Maharashtra and Odisha are at Annexure-II.

(c) : There was no upfront allocation of funds for any State/District under DDUGJY which has now been closed on 31.3.2022. Funds were released for sanctioned projects in instalments based on the reported utilization of the funds released in the previous instalments and fulfilment of stipulated conditions. State/UT-wise and year-wise details of funds sanctioned, and spent during the last three years under DDUGJY (including RE & additional infra) are at Annexure-III.

(d) : As reported by the States, all the inhabited un-electrified census villages stand electrified on 28th April, 2018 across the country.

ANNEXURE REFERRED IN REPLY TO PARTS (a) & (b) OF UNSTARRED QUESTION NO. 1245 ANSWERED IN THE LOK SABHA ON 09.02.2023

DDUGJY (New + Addl. Infra)
State-wise Physical Infrastructure created since 2014-15
(As on 31.03.2022)

23	Nagaland	6	6	100%				475	475	100%	719	719	100%	718	718	100%							697	697	100%	191	191	100%
24	Odisha	12	12	100%	164	164	100%	14228	14228	100%	11417	11417	100%	7146	7146	100%	1240	1240	100%	2271702	2271702	100%				902	902	100%
25	Puducherry							28	28	100%	8	8	100%	38	38	100%				75609	75609	100%	1250	1250	100%			
26	Punjab							7912	7912	100%	246	246	100%	3268	3268	100%	2032	2032	100%	189656	189656	100%						
27	Rajasthan	231	231	100%	85	85	100%	127534	127534	100%	78652	78652	100%	31603	31603	100%	6396	6396	100%	8125	8125	100%				1476	1476	100%
28	Sikkim							373	373	100%	924	924	100%	380	380	100%				45969	45969	100%				65	65	100%
29	Tamil Nadu	106	106	100%	128	128	100%	1189	1189	100%	1174	1174	100%	3052	3052	100%	797	797	100%	1195856	1195856	100%						
30	Telangana	86	86	100%				9162	9162	100%	8164	8164	100%	1895	1895	100%										1435	1435	100%
31	Tripura	4	4	100%				1262	1262	100%	2589	2589	100%	1810	1810	100%				161728	161728	100%						
32	Uttar Pradesh	265	265	100%	1091	1091	100%	148339	148339	100%	83590	83590	100%	32888	32888	100%	36337	36337	100%	2095542	2095542	100%	83316	83316	100%	1832	1832	100%
33	Uttarakhand	1	1	100%				3818	3818	100%	5935	5935	100%	1796	1796	100%	1429	1429	100%	20882	20882	100%						
34	West Bengal	80	80	100%	133	133	100%	23003	23003	100%	40401	40401	100%	6531	6531	100%	9424	9424	100%	2977996	2977996	100%	17159	17159	100%	2757	2757	100%
Grand Total		1933	100%		2356	2356	100%	630599	630599	100%	553592	553592	100%	236540	236540	100%	112755	112755	100%	18794103	18794103	100%	232478	232478	100%	14806	14806	100%

ANNEXURE-II

ANNEXURE REFERRED IN REPLY TO PARTS (a) & (b) OF UNSTARRED QUESTION NO. 1245 ANSWERED IN THE LOK SABHA ON 09.02.2023

Achievement in respect of Physical Progress of Maharashtra (District Wise) under DDUGJY (As on 31.03.2022)

Sl. No.	Project Name	Plan	New Substation No.	Augmentation Substation No.	Distribution Transformer No.	Lines (CKm)			Feeder Segregation		Sansad Adarsh Gram Yojana (Cumulative)	Metering (Nos.)		
						LT	11 KV (Excluding Feeder Segregation)	33/66 KV	Nos.	CKm		Consumer	DTR	Feeder
1	Ahmadnagar	DDUGJY	2	3	297	154.08	99.63	12.66	27	129.79	2	0	0	0
		DDUGJY Additional Infra	0	0	318	1389.64	126.42	0	0	0	0	0	0	0
2	Akola	DDUGJY	5	8	156	20.06	29.27	65.64	17	133.79	1	0	0	0
		DDUGJY Additional Infra	0	0	4	6.03	0.28	0	0	0	0	0	0	0
3	Amravati	DDUGJY	11	6	329	70.7	132.31	172.02	0	252.59	12	0	0	0
		DDUGJY Additional Infra	0	0	18	68.87	5.18	0	0	0	0	0	0	0
4	Aurangabad	DDUGJY	19	14	645	251.4	125.52	154.7	0	801.71	2	0	0	0
		DDUGJY Additional Infra	0	0	168	129.25	27.57	0	0	0	0	0	0	0
5	Bhandara	DDUGJY	5	3	90	69.27	19.02	33.3	0	150.72	1	0	0	0
		DDUGJY Additional Infra	0	0	0	32.79	0	0	0	0	0	0	0	0
6	Bid	DDUGJY	5	3	419	527.64	114.99	43.84	0	304.73	2	0	0	0
		DDUGJY Additional Infra	0	0	323	560.07	134.18	0	0	0	0	0	0	0
7	Buldana	DDUGJY	8	5	175	56.56	47.84	68.91	11	207.65	1	0	0	0
		DDUGJY Additional Infra	0	0	0	0	0	0	0	0	0	0	0	0
8	Chandrapur	DDUGJY	10	3	328	80.52	95.83	149.73	0	507.54	1	0	0	0
		DDUGJY Additional Infra	0	0	0	5.24	0	0	0	0	0	0	0	0
9	Dhule	DDUGJY	9	3	227	29.09	44.03	76.29	0	236.99	1	0	0	0
		DDUGJY Additional Infra	0	0	119	138.77	44.53	0	0	0	0	0	0	0
10	Gadchiroli	DDUGJY	3	2	225	49.77	26.49	31.43	0	326.61	2	0	0	0
		DDUGJY Additional Infra	0	0	35	105.21	19.67	0	0	0	0	0	0	0
11	Gondiya	DDUGJY	8	6	434	164.13	73.79	75.04	0	657.86	1	0	0	0
		DDUGJY Additional Infra	0	0	0	0	0	0	0	0	0	0	0	0
12	Hingoli	DDUGJY	8	3	111	192.5	40.91	50.35	0	180	0	0	0	0
		DDUGJY Additional Infra	0	0	231	219.92	73.95	0	0	0	0	0	0	0
13	Jalgaon	DDUGJY	6	8	276	65.09	110.48	61.9	61	432.67	2	0	0	0
		DDUGJY Additional Infra	0	0	546	778.34	191.96	0	0	0	0	0	0	0
14	Jalna	DDUGJY	16	0	403	190.53	124.39	192.91	0	753.45	1	0	0	0
		DDUGJY Additional Infra	0	0	65	51.6	38.52	0	0	0	0	0	0	0
15	Kolhapur	DDUGJY	2	6	97	98.97	31.76	24.48	0	23.63	3	0	0	0
		DDUGJY Additional Infra	0	0	0	14.16	0	0	0	0	0	0	0	0
16	Latur	DDUGJY	6	11	346	251.61	111.9	43	0	370.71	1	0	0	0
		DDUGJY Additional Infra	0	0	128	243.71	36.21	0	0	0	0	0	0	0
17	Nagpur	DDUGJY	18	8	861	166.62	151.35	221.37	0	881.41	4	0	0	0
		DDUGJY Additional Infra	0	0	1	0.69	0.12	0	0	0	0	0	0	0
18	Nanded	DDUGJY	12	6	320	274.47	69.09	81.86	0	395.61	3	0	0	0
		DDUGJY Additional Infra	0	0	33	165.52	20.83	0	0	0	0	0	0	0

19	Nandurbar	DDUGJY	4	1	237	87.8	57.36	28.66	0	306	1	0	0	0
		DDUGJY Additional Infra	0	0	418	1680.27	319.09	0	0	0	0	0	0	0
20	Nashik	DDUGJY	3	0	91	10.56	19.27	65.11	68	229.61	1	0	0	0
		DDUGJY Additional Infra	0	0	240	529.27	35.22	0	0	0	0	0	0	0
21	Osmanabad	DDUGJY	9	2	175	76.74	82.21	73.63	0	357.36	1	0	0	0
		DDUGJY Additional Infra	0	0	183	200.57	36.06	0	0	0	0	0	0	0
22	Parbhani	DDUGJY	11	5	101	94.83	76.67	65.35	0	333.36	1	0	0	0
		DDUGJY Additional Infra	0	0	46	36.82	11.76	0	0	0	0	0	0	0
23	Pune	DDUGJY	4	8	188	62.21	249.64	38.7	0	14.29	3	0	0	0
		DDUGJY Additional Infra	0	0	0	148.01	0	0	0	0	0	0	0	0
24	Pune II	DDUGJY	1	5	20	41.77	32.78	4.77	0	0	8	0	0	0
		DDUGJY Additional Infra				0	0	0	0	0				
25	Raigarh	DDUGJY	0	0	331	268.46	185.54	0	0	0	5	0	0	0
		DDUGJY Additional Infra	0	0	0	21.34	0	0	0	0	0	0	0	0
26	Raigarh II	DDUGJY	2	0	78	176.29	70.28	32.32	0	0	0	0	0	0
		DDUGJY Additional Infra				0	0	0	0	0				
27	Ratnagiri	DDUGJY	2	3	139	255.6	278.28	203.55	0	0	3	0	0	0
		DDUGJY Additional Infra	0	0	9	217.46	7.46	0	0	0	0	0	0	0
28	Sangli	DDUGJY	3	3	191	252.58	71.91	35.93	0	33.73	1	0	0	0
29	Satara	DDUGJY	0	4	50	140.97	104.7	12	0	11.05	2	0	0	0
		DDUGJY Additional Infra	0	0	0	143.82	1.92	0	0	0	0	0	0	0
30	Sindhudurg	DDUGJY	1	6	344	306.81	327.22	22.91	0	0	3	0	0	0
		DDUGJY Additional Infra				0	0	0	0	0				
31	Solapur	DDUGJY	0	0	225	191.1	7.02	0	0	0	2	0	0	0
		DDUGJY Additional Infra	0	0	0	174.34	0	0	0	0	0	0	0	0
32	Thane	DDUGJY	4	2	81	87.28	138.04	82.07	0	0	6	0	0	0
		DDUGJY Additional Infra	0	0	175	931.06	140.41	0	0	0	0	0	0	0
33	Thane II	DDUGJY	2	0	55	91.56	12.44	0	0	0	0	0	0	0
		DDUGJY Additional Infra				0	0	0	0	0				
34	Thane III	DDUGJY	0	0	104	79	31	0	0	0	0	0	0	0
		DDUGJY Additional Infra				0	0	0	0	0				
35	Wardha	DDUGJY	2	1	146	28.42	22.91	15.04	0	126.33	1	0	0	0
		DDUGJY Additional Infra	0	0	0	9.87	0	0	0	0	0	0	0	0
36	Washim	DDUGJY	3	2	212	153.72	30.86	38.44	0	156.8	1	0	0	0
		DDUGJY Additional Infra	0	0	0	3.56	0	0	0	0	0	0	0	0
37	Yavatmal	DDUGJY	6	10	376	78.15	113.04	99.73	0	555.01	1	0	0	0
		DDUGJY Additional Infra	0	0	0	10.08	0	0	0	0	0	0	0	0
	All District	DDUGJY Additional Infra	0	0	0	0	0	0	0	0	0	0	0	0
	Plan Wise Total	DDUGJY	210	150	8883	5197	3360	2378	184	8871	80	0	0	0
	Plan Wise Total	DDUGJY Additional Infra	0	0	3060	8016	1271	0	0	0	0	0	0	0
Grand Total		DDUGJY+ Addl Infra	210	150	11943	13213	4631	2378	184	8871	80	0	0	0

21	Malkangiri	DDUGJY	0	3	72	65.4	69.31	72.76	0	0	0	62078	0	65
		DDUGJY Additional Infra	0	0	0	0	0	0	0	0	0	0	0	0
22	Mayurbhanj	DDUGJY	0	9	13	82.8	16.32	48.57	0	21.1	1	123465	0	7
22	Mayurbhanj	DDUGJY Additional Infra	0	0	0	0	0	0	0	0	0	0	0	0
		DDUGJY	0	1	71	36.9	38.91	35.61	0	31.2	0	171642	0	53
23	Nabarangapur	DDUGJY Additional Infra	0	0	0	0	0	0	0	0	0	0	0	0
		DDUGJY	0	3	82	52.9	155.09	36.05	0	0	4	4422	0	0
24	Nayagarh	DDUGJY Additional Infra	0	0	0	0	0	0	0	0	0	0	0	0
		DDUGJY	0	3	20	2.3	39.45	26.65	0	0	1	42088	0	0
25	Nuapada	DDUGJY Additional Infra	0	0	0	0	0	0	0	0	0	0	0	0
		DDUGJY	2	2	286	153.3	73.45	55.35	0	0	0	18497	0	0
26	Puri	DDUGJY Additional Infra	0	0	0	0	0	0	0	0	0	0	0	0
		DDUGJY	0	4	403	92.4	182.05	65.44	0	247.4	0	113940	0	74
27	Rayagada	DDUGJY Additional Infra	0	0	0	0	0	0	0	0	0	0	0	0
		DDUGJY	1	6	115	74.4	242.98	36.69	0	0	1	66174	0	0
28	Sambalpur	DDUGJY Additional Infra	0	0	0	0	0	0	0	0	0	0	0	0
		DDUGJY	0	3	90	52.0	146.07	14.57	0	54.8	0	41785	0	9
29	Subarnapur	DDUGJY Additional Infra	0	0	0	0	0	0	0	0	0	0	0	0
		DDUGJY	1	4	45	40.1	58.04	63.54	0	0	0	83040	0	4
30	Sundargarh	DDUGJY Additional Infra	0	0	0	0	0	0	0	0	0	0	0	0
		DDUGJY	0	0	1094	8524.	2206.88	0	0	0	0	0	0	0
	All District	DDUGJY Additional Infra	0	0	0	0	0	0	0	0	0	0	0	0
	DDG	DDG offgrid	0	0	0	0	0	0	0	0	0	0	0	0
	Plan Wise Total	DDUGJY	12	164	3285	289	3392	1547	16	124	30	2271702	0	902
	Plan Wise Total	DDUGJY Additional Infra	0	0	1094	852	2207	0	0	0	0	0	0	0
	Plan Wise Total	DDG offgrid	0	0	0	0	0	0	0	0	0	0	0	0
	Grand Total	DDUGJY+ Addl Infra	12	164	14228	11417	5599	1547	16	1240	30	2271702	0	902

ANNEXURE-III

ANNEXURE REFERRED IN REPLY TO PART (c) OF UNSTARRED QUESTION NO. 1245 ANSWERED IN THE LOK SABHA ON 09.02.2023

State-wise electrification of households since launch of Saubhagya Scheme / Additional Sanctions and Achievement under DDUGJY (status as on 31.03.2022)

Sl. No.	Name of the States	ORIGINAL HOUSEHOLDS SANCTIONED UNDER SAUBHAGYA	ADDITIONAL HOUSEHOLDS SANCTIONED UNDER SAUBHAGYA		ADDITIONAL HOUSEHOLDS SANCTIONED UNDER DDUGJY		Grand Total
		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 Households electrified as on 31.03.2021	Additional Households Sanctioned	Additional Households electrified as on 31.03.2022	
1	2	3	4	5=3+4	6	7	8=5+7
1	Andhra Pradesh*	1,81,930	0	1,81,930			1,81,930
2	Arunachal Pradesh	47,089	0	47,089	7859	0	47,089
3	Assam	17,45,149	2,00,000	19,45,149	480249	381507	23,26,656
4	Bihar	32,59,041	0	32,59,041			32,59,041
5	Chhattisgarh	7,49,397	40,394	7,89,791	21981	2577	7,92,368
6	Gujarat*	41,317	0	41,317			41,317
7	Haryana	54,681	0	54,681			54,681
8	Himachal Pradesh	12,891	0	12,891			12,891
9	Jammu & Kashmir	3,77,045	0	3,77,045			3,77,045
10	Jharkhand	15,30,708	2,00,000	17,30,708			17,30,708
11	Karnataka	3,56,974	26,824	3,83,798			3,83,798
12	Ladakh	10,456	0	10,456			10,456
13	Madhya Pradesh	19,84,264	0	19,84,264	99722	0	19,84,264
14	Maharashtra	15,17,922	0	15,17,922			15,17,922
15	Manipur	1,02,748	5,367	1,08,115	21135	0	1,08,115
16	Meghalaya	1,99,839	0	1,99,839	420	401	2,00,240
17	Mizoram	27,970	0	27,970			27,970
18	Nagaland	1,32,507	0	1,32,507	7009	7009	1,39,516
19	Odisha	24,52,444	0	24,52,444			24,52,444
20	Puducherry*	912	0	912			912
21	Punjab	3,477	0	3,477			3,477
22	Rajasthan (Jaipur)	18,62,736	2,12,786	20,75,522	210843	52206	21,27,728
23	Sikkim	14,900	0	14,900			14,900
24	Tamil Nadu*	2,170	0	2,170			2,170
25	Telangana	5,15,084	0	5,15,084			5,15,084
26	Tripura	1,39,090	0	1,39,090			1,39,090
27	Uttar Pradesh	79,80,568	12,00,003	91,80,571	334652	0	91,80,571
28	Uttarakhand	2,48,751	0	2,48,751			2,48,751
29	West Bengal	7,32,290	0	7,32,290			7,32,290
Total		2,62,84,350	18,85,374	2,81,69,724	11,83,870	4,43,700	2,86,13,424

* Electrified prior to Saubhagya and not funded under Saubhagya

**GOVERNMENT OF INDIA
MINISTRY OF POWER
LOK SABHA
UNSTARRED QUESTION NO.1254
ANSWERED ON 09.02.2023**

HYDRO ELECTRIC INFRASTRUCTURE PROJECTS

1254. SHRI JAI PRAKASH:

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

- (a) whether it is a fact that the residents of Joshimath attributed land subsidence to NTPC Tapovan, Vishnugad hydro electric infrastructure project and if so, the details thereof;**
- (b) whether the Government has conducted any survey to rule out the apprehensions made by the affected persons; and**
- (c) 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 (c) : The land subsidence in Joshimath is a very old issue. It was observed way back in 1976. This was noted by the then Govt. of Uttar Pradesh and they constituted a Committee headed by Shri M.C. Mishra, Commissioner, Garhwal to examine reasons for the instability of the land in Joshimath. The Committee observed that Joshimath is not situated on in-situ rocks. It is situated on weathered, landslide mass of big un-settled boulders in the loose matrix of fine micaceous sandy and clayey material. The rocks are crystalline consisting of schistose gneissic and quartzitic. Probable cause of subsidence/ cracks can be hill wash, natural angle of repose, cultivation area because of seepage and soil erosion. The Committee recommended to stop open drain water to avoid seepage, closing of soaking pits and construction of concrete sewage line for sewerage flow.

The construction work of 4x130MW Tapovan Vishnugad HEP was started in Nov'2006 after detailed studies for Environmental Impact, Geological Studies, Hydrological Studies, Seismic Studies through reputed institutional bodies/agencies such as Water and Power Consultancy Services (WAPCOS), Geological Survey of India (GSI), Central Water Commission (CWC), National Council of Seismic Design Parameter (NCSDP) and concurrence from Central Electricity Authority (CEA). Actual construction of the project started after obtaining Environmental Clearance (EC) from Ministry of Environment, Forest & Climate Change (MoEF&CC) in 2005.

Due to continuing subsidence in Joshimath town, a Committee was constituted by DM (Chamoli) in Aug'22 comprising experts from Uttarakhand State Disaster Management Authority (USDMA), Council for Scientific and Industrial Research-Central Building Research Institute (CSIR-CBRI), IIT Roorkee, Geological Survey of India (GSI) and Wadia Institute of Himalayan Geology (WIHG). There is no mention in the report of the Committee about NTPC Tapovan Vishnugad Hydro Power Project causing land subsidence in Joshimath.

**GOVERNMENT OF INDIA
MINISTRY OF POWER
LOK SABHA
UNSTARRED QUESTION NO.1256
ANSWERED ON 09.02.2023**

REVAMPED DISTRIBUTION SECTOR SCHEME

1256. SHRI PINAKI MISRA:

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

- (a) the details of the various schemes included under the Revamped Distribution Sector Scheme (RDSS);**
- (b) the details of the number of smart meters distributed under the Scheme, State/UT-wise; and**
- (c) the details of the project proposals and the status of implementation thereof from the State of Odisha?**

A N S W E R

THE MINISTER OF POWER AND NEW & RENEWABLE ENERGY

(SHRI R.K. SINGH)

(a) : Government of India launched the Revamped Distribution Sector Scheme (RDSS) with an outlay of Rs. 3,03,758 crore and estimated GBS from Central Government of Rs. 97,631 crore for the duration of 5 years i.e. from (FY 2021-22 to FY 2025-26). The Scheme aims to reduce the Aggregate Technical & Commercial (AT&C) losses to pan-India levels of 12-15% and Average Cost of Supply (ACS)-Average Revenue Realised (ARR) gap to zero by 2024-25.

The Scheme has two major components: Part 'A' – Financial support for Prepaid Smart Metering & System Metering and upgradation of the Distribution Infrastructure and Part 'B' – Training & Capacity Building and other Enabling & Supporting Activities. Financial assistance to DISCOMs is provided for upgradation of the Distribution Infrastructure and for Prepaid Smart Consumer Metering & System Metering based on meeting pre-qualifying criteria and achieving basic minimum benchmark in reforms.

Schemes of Integrated Power Development Scheme (IPDS), Deen Dayal Upadhyaya Gram Jyoti Yojana (DDUGJY) along with Prime Minister's Development Package (PMDP)-2015 for the erstwhile State of Jammu & Kashmir are being subsumed in this scheme to be implemented as per their extant guidelines and under their existing terms & conditions. No new projects will be sanctioned under these schemes but projects already sanctioned will be eligible to receive funds up to 31st March 2022 under RDSS. However, projects sanctioned for Ayodhya, Uttar Pradesh under IPDS and projects sanctioned under PMDP 2015 will get funds till 31st March 2023.

(b) : So far, Sixteen (16) meetings of the Monitoring Committee of RDSS have been convened, wherein, Action Plans and DPRs of 46 Discoms (28 States/UTs) have been approved where ~20.46 crores pre-paid smart consumers meters, ~54 Lakh smart DT meters and ~1.98 Lakh smart feeder meters have been sanctioned. Details of State/UT-wise Smart Meters sanctioned under RDSS are given at Annexure.

(c): As per the scheme guidelines, all State-owned Distribution companies and State/UT Power Departments excluding private Sector Companies are eligible for financial assistance under RDSS. All 4 Discoms of Odisha falls under the category of Private Sector (51% Private Share and 49% Government of Odisha share). No other proposal has been received from Odisha under RDSS.

ANNEXURE

ANNEXURE REFERRED IN REPLY TO PART (b) OF UNSTARRED QUESTION NO. 1256
ANSWERED IN THE LOK SABHA ON 09.02.2023

State/UT-wise Consumer Smart Meters sanctioned under RDSS

State	Consumer Meters (Nos.)	DT Meters (Nos.)	Feeder meters (Nos.)
Andhra Pradesh	56,08,846	2,93,140	17,358
Arunachal Pradesh	2,87,446	10,116	688
Assam	57,44,698	77,547	2,782
Bihar	23,50,000	2,50,726	6,427
Chhattisgarh	59,62,115	2,10,644	6,720
Goa	7,41,160	8,369	827
Gujarat	1,64,81,871	3,00,487	5,229
Haryana	74,05,618	1,95,319	13,204
Himachal Pradesh	28,00,945	39,012	1,951
Jammu & Kashmir	14,07,045	88,037	2,608
Jharkhand	13,41,306	19,512	1,226
Kerala	1,32,89,361	87,615	6,025
Ladakh	-	-	-
Madhya Pradesh	1,29,80,102	4,06,503	8,411
Maharashtra	2,35,64,747	4,10,905	29,214
Manipur	1,54,400	11,451	357
Meghalaya	4,60,000	11,419	1,324
Mizoram	2,89,383	2,300	398
Nagaland	3,17,210	6,276	392
Puducherry	4,03,767	3,105	180
Punjab	87,84,807	1,84,044	12,563
Rajasthan	1,42,74,956	4,34,608	27,128
Sikkim	1,44,680	3,229	633
Tamil Nadu	3,00,00,000	4,72,500	18,274
Tripura	5,47,489	14,908	473
Uttar Pradesh	2,69,79,056	15,26,801	20,874
Uttarakhand	15,84,205	38,016	1,686
West Bengal	2,07,17,969	3,05,419	11,874
Grand Total	20,46,23,182	54,12,008	1,98,826

**GOVERNMENT OF INDIA
MINISTRY OF POWER
LOK SABHA
UNSTARRED QUESTION NO. 1275
ANSWERED ON 09.02.2023**

GRAM UJALA YOJANA

†1275. SHRI HARISH DWIVEDI:

Will the Minister of POWER

be pleased to state the details of Gram Ujala Yojana and the details of States in the country where the said yojana is being implemented so far?

A N S W E R

THE MINISTER OF POWER AND NEW & RENEWABLE ENERGY

(SHRI R.K. SINGH)

Convergence Energy Services Limited (CESL) has implemented the Gram Ujala Programme under which energy efficient LED bulbs of 7W and 12W were distributed in exchange of 60W and 100W incandescent bulb respectively, at Rs.10 per LED bulb in rural areas. Under Gram UJALA, 1 Crore LED bulbs have been distributed in rural areas of Bihar, Uttar Pradesh, Andhra Pradesh, Karnataka and Telangana (5 States) as a Pilot Project. The distribution under the pilot project of Gram Ujala has been completed and currently, no further distribution activity is underway.

**GOVERNMENT OF INDIA
MINISTRY OF POWER
LOK SABHA
UNSTARRED QUESTION NO.1286
ANSWERED ON 09.02.2023**

ELECTRIFIED VILLAGES

1286. SHRI RAJESHBHAI CHUDASAMA:

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

- (a) the details of the schemes initiated in the power sector in the country, State/UT-wise including in Gujarat;**
- (b) the details of funds released for the said schemes during the last five years and the current year, State/UT-wise; and**
- (c) the total number of villages electrified in the country during the last five years?**

A N S W E R

THE MINISTER OF POWER AND NEW & RENEWABLE ENERGY

(SHRI R.K. SINGH)

(a) : Government of India launched Deen Dayal Upadhyaya Gram Jyoti Yojana (DDUGJY) in December, 2014 for strengthening the electricity distribution system, including separation of agriculture and non-agriculture feeders, strengthening and augmentation of sub-transmission & distribution infrastructure, metering of distribution transformers/feeders/consumers and electrification of villages across the country including Gujarat. The erstwhile Rajiv Gandhi Grameen Vidyutikaran Yojana (RGGVY) was subsumed under DDUGJY. Works under this scheme have been completed and the scheme got closed on 31.03.2022.

(b) : There is no upfront allocation of funds for any State/District under DDUGJY scheme. Funds are released for sanctioned projects in instalments based on the reported utilization of the amount released in the previous instalments and fulfilment of stipulated conditionalities. The state/UT-wise details of funds released under DDUGJY during the last five years and current year are at Annexure.

(c) : As reported by the States, all the inhabited un-electrified villages as per census 2011 were electrified by 28th April, 2018 across the country under DDUGJY. A total of 18,374 villages were electrified in the country under the scheme.

ANNEXURE

ANNEXURE REFERRED IN REPLY TO PART (b) OF UNSTARRED QUESTION NO. 1286
ANSWERED IN THE LOK SABHA ON 09.02.2023

States/UTs-wise & Year-wise Grant disbursed under DDUGJY (including RE & Additional Infra)
during last five years

(Amount in crore)

Sl. No.	States/UTs	2017-18	2018-19	2019-20	2020-21	2021-22	Total
1	Andhra Pradesh	165	177	8	8	85	444
2	Arunachal Pradesh	81	160	37	32	150	459
3	Assam	408	1082	661	416	373	2,939
4	Bihar	763	2412	682	830	1,280	5,967
5	Chhattisgarh	552	79	58	54	153	896
6	Gujarat	143	181	-	13	51	387
7	Haryana	45	22	50	5	54	176
8	Himachal Pradesh	-	15	40	37	22	114
9	J&K	57	527	65	35	112	796
10	Jharkhand	862	1362	610	355	469	3,659
11	Karnataka	204	451	283	13	109	1,060
12	Kerala	87	57	8	-	54	205
13	Ladakh	8	15	24	-	41	88
14	Madhya Pradesh	598	952	375	278	765	2,967
15	Maharashtra	143	482	225	158	162	1,170
16	Manipur	33	41	46	50	118	287
17	Meghalaya	58	155	165	61	112	550
18	Mizoram	42	35	16	5	24	121
19	Nagaland	24	55	24	11	51	165
20	Odisha	366	1369	330	122	395	2,583
21	Punjab	15	42	115	16	35	223
22	Rajasthan	782	1246	273	116	497	2,915
23	Sikkim	18	21	9	28	16	92
24	Tamil Nadu	2	244	56	-	100	402
25	Telangana	60	61	74	-	64	259
26	Tripura	62	112	47	48	109	378
27	Uttar Pradesh	3149	3560	946	1,661	1,197	10,514
28	Uttarakhand	33	270	269	5	3	580
29	West Bengal	241	1281	261	149	559	2,491
30	Goa	-	3	7	-	2	12
31	D&N Haveli	-	1	-	-	2	3
32	Puducherry	-	0	5	3	1	10
33	Andaman& Nicobar	1	-	-	2	3	7
	Total	9,002	16,469	5,767	4,511	7,170	42,919

**GOVERNMENT OF INDIA
MINISTRY OF POWER
LOK SABHA
UNSTARRED QUESTION NO.1294
ANSWERED ON 09.02.2023**

DEVELOPMENT OF RENEWABLE ENERGY BASED POWER PROJECTS

**1294. SHRI CHANDRA SEKHAR SAHU:
SHRI GIRISH BHALCHANDRA BAPAT:
DR. PRITAM GOPINATHRAO MUNDE:
SHRI RAHUL RAMESH SHEWALE:**

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

- (a) whether National Thermal Power Corporation (NTPC) Green Energy Ltd. has signed any Memorandum of Understanding (MoU) with Hindustan Petroleum Corporation Ltd. for Development of Renewable Energy based Power Projects in the country;**
- (b) if so, the details thereof along with the salient features of MoU;**
- (c) whether any time frame has been fixed for generation of renewable power under the said MoU;**
- (d) if so, the details thereof; and**
- (e) the details of the sites and locations identified for setting up of power plants in the country, State/UT-wise particularly in Odisha, Maharashtra and the criteria fixed for selection of such sites?**

A N S W E R

THE MINISTER OF POWER AND NEW & RENEWABLE ENERGY

(SHRI R.K. SINGH)

(a) & (b) : NTPC Green Energy Limited (NGEL), and Hindustan Petroleum Corporation Limited (HPCL) have entered into Memorandum of Under Standing (MoU) for development of renewable energy-based projects in the country on 03.01.2023. The MoU envisages to collaborate for Development of grid connected and/ or off-grid Renewable Energy based Power Projects and/ or solutions to supply round the clock renewable energy which shall cater to requirement of HPCL and/or NGEL or any other customer mutually decided by NGEL & HPCL.

(c) & (d) : Time frame has not been fixed yet for generation of renewable power under the MoU.

(e) : Sites / locations have not yet been identified with reference to the above MoU.

**GOVERNMENT OF INDIA
MINISTRY OF POWER
LOK SABHA
UNSTARRED QUESTION NO.1296
ANSWERED ON 09.02.2023**

GENERATION OF CLEAN ELECTRICITY

†1296. SHRI DULAL CHANDRA GOSWAMI:

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

- (a) whether the Union Government is contemplating/has contemplated the possibility of generation of clean electricity from methane and Carbon-dioxide gas as a step towards green electricity;**
- (b) if so, the names of the places where such plants have been set up or likely to be set up; and**
- (c) whether such plants are working properly 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) & (b): The Ministry of New and Renewable Energy has notified the National Bioenergy Programme for a period 01.04.2021 to 31.03.2026 with an outlay of Rs.858 crore under Phase-I. The National Bioenergy Programme comprises the following sub-schemes:

- i. Waste to Energy Programme**
- ii. Biomass Programme**
- iii. Biogas Programme**

Waste to Energy Programme and Biogas Programme, inter-alia, supports setting up of plants for generation of electricity based on biogas. Biogas is a mixture of gases, primarily methane and carbon-dioxide.

State-wise list of places where such plants have been set up are given at Annexure.

(c): The technologies for the generation of electricity from Biogas are well established and with sustained supply of requisite quality feedstock and proper operation & maintenance on regular basis, these plants can run properly and efficiently.

ANNEXURE REFERRED IN REPLY TO PARTS (a) & (b) OF UNSTARRED QUESTION NO. 1296 ANSWERED IN THE LOK SABHA ON 09.02.2023

State-wise details of installed capacity of Bio-gas to Power Projects set up in the country, as on 31.12.2022:

Sl. No.	States	No. of projects	Districts where in the projects are located in the State
1.	Andhra Pradesh	12	East Godavari, Krishna West Godavari Vizianagaram, isakhapatnam
2.	Chhattisgarh	1	Rajnandgaon
3.	Gujarat	10	Sabarkantha Rajkot Navangapura Bharuch Surat Ahmedabad Kutch
4.	Haryana	3	Palwal Panipat Jind
5.	Karnataka	5	Haveri Belgaum Mandya Mysore
6.	Madhya Pradesh	4	Raisen Jabalpur
7.	Maharashtra	16	Nanded Aurangabad Sangli Jalgaon Solapur Dhule Solapur Sangli Ahmednagar Raigad
8.	Punjab	7	Patiala Muktsar Pathankot Ludhiana Fazilka
9.	Rajasthan	1	Alwar
10.	Tamil Nadu	6	Salem Namakkal Chennai Tiruchirapalli Cuddalore
11.	Telangana	4	Khammam Nalgonda Nizamabad Warangal
12.	Uttar Pradesh	26	Basti Ghaziabad Rampur Lakhimpur Kheri Moradabad Muzaffarnagar Faizabad Gorakhpur Saharanpur Bijnor Bulandshahar Sitapur Lucknow
13.	Uttarakhand	2	Udhamsingh Nagar
	Grand Total	97	

**GOVERNMENT OF INDIA
MINISTRY OF POWER
LOK SABHA
UNSTARRED QUESTION NO.1315
ANSWERED ON 09.02.2023**

DDUGJY IN GUJARAT

1315. SHRI C.R. PATIL:

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

- (a) the details of the physical infrastructure developed under the Deen Dayal Upadhyaya Gram Jyoti Yojana (DDUGJY) in Gujarat, district-wise; and**
- (b) the details of the funds allocated and disbursed under the DDUGJY during the last three years in the State of Gujarat?**

A N S W E R

THE MINISTER OF POWER AND NEW & RENEWABLE ENERGY

(SHRI R.K. SINGH)

(a) : The details of the physical infrastructure developed under the Deendayal Upadhyaya Gram Jyoti Yojana (DDUGJY) in Gujarat, district-wise enclosed at Annexure.

(b) : No upfront allocation of funds for any State/District under DDUGJY scheme. Funds were released for sanctioned projects in instalments based on the reported utilization of the amount released in the previous instalments and fulfilment of stipulated conditionalities. The funds allocated and disbursed under the DDUGJY (incl. RE & Addl. Infra) in Gujarat State is as under:

(Rs. in Crore)

Grant Disbursed and utilized under DDUGJY (incl. RE and Addl. Infra) in Gujarat state				
2019-20	2020-21	2021-22	Total	Funds utilized
-	13	51	63	100%

ANNEXURE

ANNEXURE REFERRED IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 1315 ANSWERED IN THE LOK SABHA ON 09.02.2023

Sl. No	Project Name	Plan	Sub-station New No.	Sub-station Augmentation No.	Distribution Transformer (DTR No.)	Circuit Kilo Metre Lines (CkM)			Metering Nos.		
						Low Tension Lines (LT)	11 KV	33/66 KV	Consumer	Distribution Transformer No. (DTR)	Feeder
1	Ahmadabad	DDUGJY	0	0	0	36.72	19.88	0	4590	0	0
2	Ahmadabad II	DDUGJY	1	4	510	203.45	163.55	16.68	27020	826	0
3	Amreli	DDUGJY	0	0	1252	535.48	415.15	0	63963	1168	0
4	Anand	DDUGJY	1	0	489	684	338	5	141267	966	0
5	Banas Kantha	DDUGJY	1	2	423	173.43	375.72	28.8	0	105	0
6	Bharuch	DDUGJY	1	6	579	1119	160	17	46639	3617	0
7	Bhavnagar	DDUGJY	0	0	3037	719.15	980.47	0	76550	1732	0
8	Dohad	DDUGJY	0	0	920	1826	331	0	125136	3816	0
9	Gandhinagar	DDUGJY	0	1	62	59.19	38.14	0	8136	496	0
10	Jamnagar	DDUGJY	0	0	2476	407.28	1375.91	0	65179	2484	0
11	Junagadh	DDUGJY	0	0	514	1612.19	1431.52	0	94245	4524	0
12	Kachchh	DDUGJY	0	0	795	766.44	591.26	0	85288	2400	0
13	Kheda	DDUGJY	4	0	367	714	517	8	93207	877	0
14	Mahesana	DDUGJY	2	0	92	101.07	45.01	7.17	37192	404	0
15	Narmada	DDUGJY	0	1	100	423	60.68	0	4200	1476	0
16	Navsari	DDUGJY	0	0	344	1431.3	160.24	0	7941	878	0
17	Panch Mahals	DDUGJY	0	0	1109	1911.1	442	0	198764	5371	0
18	Patan	DDUGJY	1	2	55	68.04	40.99	6.17	16816	510	0
19	Porbandar	DDUGJY	0	0	0	362.51	295.21	0	14938	835	0
20	Rajkot	DDUGJY	0	0	2312	556.87	1312.02	0	99730	3364	0
21	Sabar Kantha	DDUGJY	2	8	78	1414.4	46.6	0	100188	1259	0
22	Surat	DDUGJY	0	4	600	1504.68	243.46	0	54663	7492	0
23	Surendranagar	DDUGJY	0	0	713	587.92	547.67	0	52683	2239	0
24	Tapi	DDUGJY	0	0	233	1496.01	118.6	0	18605	2632	0
25	The Dangs	DDUGJY	0	0	135	221.79	74.61	0	4932	669	0
26	Vadodara	DDUGJY	2	0	890	1500	467	2	206702	7484	0
27	Valsad	DDUGJY	0	0	448	1635	175.1	0	7678	0	0
	Plan Wise Total	DDUGJY	15	28	18533	22070.02	10766.79	90.82	1656252	57624	0

**GOVERNMENT OF INDIA
MINISTRY OF POWER
LOK SABHA
UNSTARRED QUESTION NO.1343
ANSWERED ON 09.02.2023**

ULTRA MEGA POWER PLANT/PROJECT

†1343. SHRI GIRIDHARI YADAV:

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

- (a) whether the Government proposes to set up an Ultra Mega Power Plant Project at Katoria block headquarters under Banka district of Bihar for the benefit of four States;**
- (b) if so, the details thereof along with the actions taken/proposed to be taken in this regard; and**
- (c) the time by which the said Plant is likely to be established?**

A N S W E R

THE MINISTER OF POWER AND NEW & RENEWABLE ENERGY

(SHRI R.K. SINGH)

(a) to (c) : “In principle” approval was accorded by Government of Bihar in year 2013 for setting up Ultra Mega Power Project (UMPP) development near Kakwara village in Banka District, Bihar. However, Ministry of Power has now taken a policy decision to focus on only brownfield projects in a limited manner for setting up of new Thermal Power Generation capacity in light of the Government of India’s endeavor for transition from Fossil Fuels towards Non-Fossil Fuels. Accordingly, no new Ultra Mega Power Projects, which are very large sized green field projects, are being implemented.

**GOVERNMENT OF INDIA
MINISTRY OF POWER
LOK SABHA
UNSTARRED QUESTION NO.1346
ANSWERED ON 09.02.2023**

NEW CONVENTIONAL METERS

†1346. SHRI VIJAY KUMAR DUBEY:

Will the Minister of POWER
be pleased to state:

- (a) whether the Government maintains any data regarding new conventional meters installed in Uttar Pradesh;
- (b) if so, the details thereof, district-wise;
- (c) the number of smart meters installed in Uttar Pradesh, district-wise; and
- (d) whether the Government proposes to replace all conventional meters with smart meters in Uttar Pradesh particularly in Kushinagar district 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) & (b) : As per Central Electricity Authority (CEA) (Installation and Operation of meters) Regulations, all new consumer meters are to be replaced by smart meters with prepayment feature. Under various schemes of Government of India, only Smart Meters are being installed across the country, including Uttar Pradesh, and no new conventional meters are installed now.

(c) : District-wise details of smart meters installed in Uttar Pradesh as on 31st January, 2023 are at Annexure.

(d) : Under the recently launched Revamped Distribution Sector Scheme (RDSS), financial assistance is being provided to the eligible DISCOMs including DISCOMs of Uttar Pradesh, for installation of Pre-paid Smart Meters.

Under RDSS, 2,69,79,056 no. of prepaid Smart Meters have been sanctioned for the State of Uttar Pradesh including 4,16,994 no. of prepaid Smart Meters for Khushinagar district. Sanction details of the State of Uttar Pradesh under RDSS are as under:-

DISCOMs	No. of Smart Meters sanctioned
Dakshinanchal Vidyut Vitran Nigam Limited (DVVNL)	53,54,069
Kanpur Electricity Supply Company (KESCO)	6,25,001
MadhyanchalVidyutVitran Nigam Limited (MVVNL)	75,28,737
PashchimanchalVidyutVitran Nigam Limited (PaVVNL)	61,43,261
PurvanchalVidyutVitaran Nigam Limited (PuVVNL)	73,27,988
Total	2,69,79,056

ANNEXURE**ANNEXURE REFERRED IN REPLY TO PART (c) OF UNSTARRED QUESTION NO. 1346
ANSWERED IN THE LOK SABHA ON 09.02.2023**

**District-wise details of smart meters installed in Uttar Pradesh as on 31st January,
2023:**

Sl. No.	District	Smart Meter installed by Energy Efficiency Services Limited (EESL)
1.	Varanasi	1,81,447
2.	Prayagraj	83,324
3.	Gorakhpur	56,662
4.	Meerut	1,48,834
5.	Saharanpur	49,892
6.	Lucknow	3,01,981
7.	Barabanki	22,592
8.	Bareilly	56,158
9.	Mathura	84,321
10.	Firozabad	20,880
11.	Aligarh	42,790
12.	Kanpur	1,29,152
	Total	11,78,033

**GOVERNMENT OF INDIA
MINISTRY OF POWER
LOK SABHA
UNSTARRED QUESTION NO.1357
ANSWERED ON 09.02.2023**

SAUBHAGYA SCHEME IN MEGHALAYA

1357. SHRI VINCENT H. PALA:

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

- (a) the details of the total number of villages initially targeted under Saubhagya Scheme in Meghalaya, district-wise;**
- (b) whether the Government proposes to increase the number of targeted villages in the State and if so, the details thereof along with the revised number of villages, district-wise; and**
- (c) whether the said scheme has been completed or is still in progress, if so, the details thereof and if not, the reasons therefor?**

A N S W E R

THE MINISTER OF POWER AND NEW & RENEWABLE ENERGY

(SHRI R.K. SINGH)

(a): Government of India launched the 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 census villages in the country were electrified by 28th April, 2018. A total of 18,374 villages were electrified under the scheme, including 1051 villages of State of Meghalaya. Under DDUGJY and, thereafter, under Pradhan Mantri Sahaj Bijli Har Ghar Yojana (Saubhagya), the electrification of all the villages and all willing Households was completed by 31st March, 2019 by all State Governments.

A total of 2.86 crore Households were electrified under the aegis of Saubhagya including additional households in two tranches that were unwilling for electrification earlier but became willing later.

As reported by the State of Meghalaya, a total of 2,00,240 households have been electrified till 31.03.2022. District-wise details of households electrified under Saubhagya in the State of Meghalaya are at Annexure.

(b) & (c): As reported by the State of Meghalaya, all the inhabited un-electrified census villages stand electrified by 28th April, 2018 under DDUGJY.

While fresh arising of new households is a continuous process and electrification of such households is expected to be taken care of by the Distribution Utilities, the Government of India stands committed to help the States to electrify all the households which existed when Saubhagya was sanctioned. In this respect, the Government of India recently issued guidelines for their electrification under the Revamped Distribution Sector Scheme (RDSS) and the States have been advised to pose their DPRs to the Ministry of Power in this regard.

ANNEXURE**ANNEXURE REFERRED IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 1357 ANSWERED IN THE LOK SABHA ON 09.02.2023**

Details of households electrified since the launch of Saubhagya (as per portal) and additional households electrified under DDUGJY			
District	No. of Households electrified from 11.10.2017 to 31.03.2019 as per Portal	Addl. Households electrified under DDUGJY	Total households electrified
East Khasi Hills	26762	115	26877
West Garo Hills	57991		57991
West Jaintia Hills	29068	252	29320
West Khasi Hills	24577	34	24611
East Garo Hills	28835		28835
RiBhoi	21064		21064
South Garo Hills	11542		11542
Total	1,99,839	401	200240

**GOVERNMENT OF INDIA
MINISTRY OF POWER
LOK SABHA
UNSTARRED QUESTION NO.1377
ANSWERED ON 09.02.2023**

ELECTRIFIED VILLAGES UNDER DDUGJY

1377. SHRI BRIJENDRA SINGH:

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

- (a) the details of number of villages electrified under the Deen Dayal Upadhyaya Gram Jyoti Yojana (DDUGJY) in Haryana, district-wise;
- (b) the details of number of houses electrified under the said Yojana in Haryana, district-wise;
- (c) the quantum of funds sanctioned, allocated and utilized in Haryana under the Yojana during the last three financial years; and
- (d) the details of number of the Discoms that have received financial assistance under the scheme in Haryana?

A N S W E R

THE MINISTER OF POWER AND NEW & RENEWABLE ENERGY

(SHRI R.K. SINGH)

(a) : Government of India launched Deen Dayal Upadhyaya Gram Jyoti Yojana (DDUGJY), in December, 2014 for strengthening the distribution systems including separation of agriculture and non-agriculture feeders, strengthening and augmentation of sub-transmission & distribution infrastructure, metering of distribution transformers/feeders/consumers and electrification of villages across the country. As reported by the States, all the inhabited un-electrified villages as per Census 2011 were electrified by 28th April, 2018 across the country under DDUGJY. A total of 18,374 villages were electrified under this scheme. This scheme got closed as on 31.03.2022. As reported by the State of Haryana, all the inhabited un-electrified villages were electrified prior to the launch of DDUGJY.

(b) : A total of 5419 BPL Households were covered under DDUGJY (incl. RE) in Haryana from 2015 to 31.03.2019.

(c) : No upfront allocation of funds was done for any State/District under DDUGJY. Funds were released for sanctioned projects in instalments based on the reported utilization of the amount released in the previous instalments and fulfilment of stipulated conditions. Year-wise details of funds released and utilized in Haryana under the said Yojana are as under:

(Rs. in crore)

Grant disbursed and utilized under DDUGJY during last three years in Haryana				
2019-20	2020-21	2021-22	Total	Utilized
50	05	54	109	100%

(d) : Two Discoms of Haryana i.e. Dakshin Haryana Bijili Vitaran Nigam Limited (DHBVNL) and Uttar Haryana Bijili Vitaran Nigam Limited (UHBVN) received financial assistance under the scheme.
