

GOVERNMENT OF INDIA
MINISTRY OF POWER

RAJYA SABHA
UNSTARRED QUESTION NO.315
ANSWERED ON 02.02.2026

PROGRESS ON SMART METER INSTALLATION UNDER RDSS

315 DR. PARMAR JASHVANTSINH SALAMSINH:
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Will the Minister of **POWER** be pleased to state:

- (a) the State-wise progress of smart meter installations under the Revamped Distribution Sector Scheme (RDSS) and the milestone achieved in December, 2025;
- (b) the impact of "Prepaid Smart Metering" on reducing the Aggregate Technical & Commercial (AT&C) losses of DISCOMs;
- (c) the details of consumer feedback regarding the convenience of mobile app-based recharge and consumption monitoring, and;
- (d) the measures taken to ensure the cyber security and data privacy of the smart metering infrastructure; and
- (e) details of consumer awareness programmes being run regarding electricity consumption?

A N S W E R

THE MINISTER OF STATE IN THE MINISTRY OF POWER

(SHRI SHRIPAD NAIK)

(a) : Government of India launched Revamped Distribution Sector Scheme (RDSS) in July 2021 to support the States/ UTs to improve the operational efficiency and financial sustainability of distribution utilities to provide quality and reliable supply of power. One of the key initiatives under the scheme is smart metering of consumers, distribution transformers, and feeders.

Under RDSS, smart metering works have been sanctioned for 45 distribution utilities in 28 States/ UTs. This covers smart metering of 19.79 Cr. consumers, 52.53 Lakh Distribution Transformers and 2.05 Lakh feeders. As on 31st December 2025, 3.90 Cr smart meters have been installed under the scheme. In addition, smart meters have been installed by States under their State plans/ other schemes. Overall, 5.28 crore smart meters have been installed across the country under various schemes as on 31st December 2025. The State/ UT-wise details of smart metering works under RDSS as on 31st December 2025 are at **Annexure**.

(b) : Prepaid smart metering provides benefits to the DISCOMs as well as consumers. It enables advance revenue collection by DISCOMs resulting in improved collection efficiency, reduced receivables, interest savings from lower working capital needs, enhanced DISCOM cash flow etc.

As a result of collective efforts of states/UTs and various reform measures undertaken, including smart metering implementation, AT&C losses have improved from 21.91% in FY2021 to 15.04% in FY2025.

(c) : Smart meters provide consumers with near real time consumption visibility through mobile applications enabling budgeting and consumption monitoring. Further, these applications also provide convenience of recharge, low balance SMS/Push alerts and historical graphs for usage optimization. Consumer feedback is being gathered through regular consumer engagement exercises being conducted at the DISCOM level, which is further used to enhance the application usage experience. As per the feedback survey conducted by the Nodal agencies namely REC Ltd and PFC Ltd, out of the 1,24,590 consumers who have downloaded the mobile application, 54,321 consumers were aware about the real time consumption feature of the application and 72,494 consumers about the recharge/bill payment option.

(d) : The Standard Bidding Document (SBD) for smart metering works under RDSS outlines key provisions for addressing data security and cyber threats. Key provisions in respect of Cyber Security covers aspects like securing communication infrastructure, cloud security requirements, cyber security incident management, compliance to Digital Personal Data Protection (DPDP) Act etc.

In addition, to above, CSIRT-Power has been set up which helps the utilities in cyber incident handling and to ensure cyber security preparedness in the power sector.

(e) : To enhance consumer confidence on prepaid smart metering, various consumer awareness programs are being undertaken by the distribution utilities, Nodal agencies under RDSS namely PFC Ltd and REC Ltd and AMI Service Providers. The programs include:

- Distribution of Pamphlets showcasing benefits of smart prepaid meters, Mobile app usage and helpline number.
- Installation of Banners at high consumer footfall areas, office locations of DISCOM HQ, Division and sub-divisions.
- Consumer Engagement Campaign through Loudspeaker announcement, Story-based audio jingles in vernacular language and consumer awareness workshops during smart meters installation.
- Awareness Canopies are displayed to explain the benefits and dispel myths of smart prepaid meters to consumers.
- Social Media engagement and outreach.

ANNEXURE

ANNEXURE REFERRED IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 315
ANSWERED IN THE RAJYA SABHA ON 02.02.2026

State/UT-wise Smart Metering works sanctioned and installed under RDSS

(As on 31st December, 2025)

Sl. No.	State/UTs	Consumer Meters (Nos.)		DT Meters (Nos.)		Feeder Meters (Nos.)		Total Meters (Nos.)	
		Sanctioned	Installed	Sanctioned	Installed	Sanctioned	Installed	Sanctioned	Installed
1	Andaman & Nicobar	83,573	-	1,148	-	114	-	84,835	-
2	Andhra Pradesh	56,08,846	21,56,269	2,93,140	74,389	17,358	8,192	59,19,344	22,38,850
3	Arunachal Pradesh	2,87,446	47,941	10,116	311	688	263	2,98,250	48,515
4	Assam	63,64,798	46,72,329	77,547	57,731	2,782	2,879	64,45,127	47,32,939
5	Bihar	23,50,000	19,74,061	2,50,726	1,82,145	6,427	5,775	26,07,153	21,61,981
6	Chhattisgarh	59,62,115	32,32,660	2,10,644	66,023	6,720	5,936	61,79,479	33,04,619
7	Delhi			766		2,755	-	3,521	-
8	Goa	7,41,160	-	8,369	-	827	-	7,50,356	-
9	Gujarat	1,64,87,100	34,42,740	3,00,487	1,28,600			1,67,87,587	35,71,340
11	Himachal Pradesh	28,00,945	7,02,046	39,012	22,054	1,951	1,603	28,41,908	7,25,703
12	Jammu and Kashmir	14,07,045	4,73,331	88,037	15,480	2,608	1,428	14,97,690	4,90,239
13	Jharkhand	13,41,306	5,55,985	19,512	782	1,226	829	13,62,044	5,57,596
14	Kerala	1,32,89,361	1,67,077	87,615	111	6,025	2,904	1,33,83,001	1,70,092
15	Madhya Pradesh	1,29,80,102	29,90,830	4,19,396	1,27,231	29,708	24,097	1,34,29,206	31,42,158
16	Maharashtra	2,35,64,747	80,88,791	4,10,905	2,52,106	29,214	30,709	2,40,04,866	83,71,606
17	Manipur	1,54,400	31,962	11,451	589	357	220	1,66,208	32,771
18	Meghalaya	4,60,000	-	11,419	-	1,324	-	4,72,743	-
19	Mizoram	2,89,383	25,836	2,300	393	398	295	2,92,081	26,524
20	Nagaland	3,17,210	30,522	6,276	845	392	105	3,23,878	31,472
21	Puducherry	4,03,767	5,647	3,105	1	180	-	4,07,052	5,648
22	Punjab	87,84,807	-	1,84,044	-	12,563	-	89,81,414	-
23	Rajasthan	1,42,74,956	18,99,467	4,34,608	23,834	27,128	25,349	1,47,36,692	19,48,650
24	Sikkim	1,44,680	78,582	3,229	1,469	633	471	1,48,542	80,522
25	Tamil Nadu	3,00,00,000	-	4,72,500	-	18,274	9,746	3,04,90,774	9,746
26	Tripura	5,47,489	1,40,240	14,908	5,494	473	473	5,62,870	1,46,207
27	Uttar Pradesh	2,69,79,055	59,83,729	15,26,801	2,44,830	20,874	25,362	2,85,26,730	62,53,921
28	Uttarakhand	15,87,870	4,11,358	59,212	7,441	2,602	2,486	16,49,684	4,21,285
29	West Bengal	2,07,17,969	5,45,586	3,05,419	44,589	11,874	9,357	2,10,35,262	5,99,532
	RDSS-Total	19,79,30,130	3,76,56,989	52,52,692	12,56,448	2,05,475	1,58,479	20,33,88,297	3,90,71,916

Note: Till date (as on 15th January), 4.05 Cr smart meters have been installed under RDSS and 5.44 Cr smart meters under various schemes including RDSS.
