

DISCOMS DIGITALISATION

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Electricity being a concurrent subject, distribution of electricity to consumers, including the operations of the Distribution Companies (DISCOMs) and digitalisation thereof, falls within the purview of the respective distribution utility, which functions under the guidance of the respective State Government and State Electricity Regulatory Commission. Government of India has supplemented the efforts of the States earlier through various schemes like Integrated Power Development Scheme (IPDS), launched in December, 2014, National Smart Grid Mission (NSGM), established in 2015, and presently under the Revamped Distribution Sector Scheme (RDSS), launched in July, 2021 with the objective of improving the quality of power supply through a financially sustainable and operationally efficient distribution sector.

Under IPDS, works amounting to Rs. 58,686 crore were executed, which supported IT enablement of the distribution sector under the subsumed Restructured Accelerated Power Development and Reforms Programme (R-APDRP), which included works for Enterprise Resource Planning (ERP), SCADA/ DMS in 59 towns, Real Time-Data Acquisition System (RT-DAS) in 1,414 towns and installation of 6.54 lakh smart meters. The scheme stands closed in March 2022.

The objective of NSGM is to plan and monitor the implementation of policies and programmes related to smart grids in India. The key components of the Mission were assistance in formulation of projects including pre-feasibility studies, project appraisal, funding to projects, and training and capacity building. Under NSGM, 1,45,343 smart meters were installed in the State of Rajasthan and 24,214 smart meters in Chandigarh. A total of Rs 72.27 Cr was released under the Mission, out of which Rs 31.85 Cr was released since FY2023. The Mission stands closed in March 2024.

Under RDSS, financial assistance is being provided to the Distribution Utilities for loss reduction infrastructure works and smart metering works. Projects worth Rs. 1.53 lakh crore for loss reduction infrastructure works and Rs. 1.31 lakh crore for smart metering works have been sanctioned under the scheme. This includes works related to digitalisation of the distribution utilities which, *inter alia*, include the following:

1. Smart metering works covering 19.79 crore consumers, 2.05 lakh feeders and 52.53 lakh Distribution Transformers (DTs) and the related digital eco-system.
2. SCADA (Supervisory Control and Data Acquisition)/ DMS (Distribution Management System) works sanctioned for 394 towns amounting to Rs. 2,627 crore.
3. IT/OT works such as Enterprise Resource Planning (ERP) systems, unified billing solutions, GIS-based works and real time data acquisition systems (RT-DAS) amounting to Rs 3,999 Cr.
4. Smart distribution works amounting to Rs. 8,608 crore sanctioned for seven cities, which include SCADA and smart technology works, GIS substations, Distribution Transformer health management, undergrounding of HT/LT lines and system augmentation/ modernisation works.

The above works have been sanctioned for 28 States and 45 distribution utilities. The State-wise details of Smart Metering, IT/OT works, SCADA/ RT-DAS works and Smart Distribution works sanctioned under RDSS are at **Table I-II**. Till date, funds amounting to Rs. 47,124 crore have been released under RDSS

since FY2023, which includes Rs. 2,733 crore released for smart metering works.

Further , to enable the adoption of digitalisation across the country, the Government of India has initiated India Energy Stack (IES), which is envisioned to create a universal digital enablement for data exchange across the power sector.

For training and capacity building of DISCOM personnel in areas including digital systems, under RDSS, allocation of Rs. 100.9 crore was made, of which, Rs. 23.36 crore has been utilized till July, 2026, and a total of 14,853 personnel have been trained. State-wise details of personnel trained under RDSS are at **Table-III**.

TABLE-I

State-wise details of Smart Metering and IT/OT works sanctioned under RDSS

S. No.	State/ UT	Sanctioned Cost of Smart Metering works (Rs. crore)	Sanctioned Cost of IT/OT works* (Rs. crore)
1	Andaman & Nicobar Islands	54	-
2	Andhra Pradesh	4,128	120
3	Arunachal Pradesh	184	22
4	Assam	4,050	62
5	Bihar	2,021	406
6	Chhattisgarh	4,105	121
7	Delhi	13	-
8	Goa	469	39
9	Gujarat	10,642	507
10	Haryana	0	276
11	Himachal Pradesh	1,788	82
12	Jammu & Kashmir	1,064	119
13	Jharkhand	858	83
14	Karnataka	0	-

15	Kerala	8,231	238
16	Ladakh	0	-
17	Madhya Pradesh	8,911	425
18	Maharashtra	15,215	171
19	Manipur	121	40
20	Meghalaya	310	21
21	Mizoram	182	10
22	Nagaland	208	15
23	Puducherry	251	-
24	Punjab	5,769	136
25	Rajasthan	9,715	455
26	Sikkim	97	22
27	Tamil Nadu	19,235	3
28	Telangana	0	-
29	Tripura	319	44
30	Uttar Pradesh	18,956	260
31	Uttarakhand	1,106	226
32	West Bengal	12,670	96
	Total	1,30,671	3,999

* Sanctioned under Loss Reduction component

TABLE-II

A. State-wise details of SCADA/ RT-DAS works sanctioned under RDSS

S. No.	State/ UT	SCADA/ DMS towns under RDSS (Nos.)	RT-DAS/ SFMS feeders under RDSS (Nos.)
1	Andhra Pradesh	0	-
2	Assam	0	-
3	Bihar	1	-
4	Chhattisgarh	0	-
5	Delhi	1	-
6	Goa	0	-
7	Gujarat	192	14,000
8	Haryana	2	-
9	Himachal Pradesh	43	-
10	Jammu & Kashmir	0	-
11	Jharkhand	0	-
12	Kerala	3	-
13	Madhya Pradesh	147	-
14	Maharashtra	1	-
15	Meghalaya	0	-
16	Mizoram	0	-
17	Odisha	0	-
18	Puducherry	0	-
19	Punjab	0	-
20	Rajasthan	0	-

21	Tamil Nadu	0	-
22	Telangana	0	-
23	Uttar Pradesh	3	-
24	Uttarakhand	3	1,269
25	West Bengal	0	-
	Total	396	15,269

Note: (i) RT-DAS/ SFMS works under RDSS cover feeders in suburban and rural areas.

B. Smart Distribution works sanctioned under RDSS

S. No.	State	DISCOM	City	Sanctioned Outlay (Rs. crore)	Sanctioned Central grant (Rs. crore)
1	Haryana	DHBVNL	Gurugram	706.04	423.62
2	Haryana	DHBVNL	Faridabad	2,932.17	1,759.30
3	Uttar Pradesh	KESCO	Kanpur	751.27	450.76
4	Uttar Pradesh	PVVNL	NOIDA	1,333.20	799.92
5	Uttar Pradesh	PuVVNL	Varanasi	1,455.18	873.11
6	Bihar	SBPDCL	Patna	873.67	524.21
7	Uttarakhand	UPCL	Rishikesh	556.05	500.44
	Total			8,607.58	5,331.36

TABLE-III

State-wise details of personnel trained under RDSS

Sl.No.	State	DISCOM	Participants
1	Andaman Nicobar	A&N PD	48
2	Andhra Pradesh	APCPDCL	332
3		APEPDCL	754
4		APSPDCL	487
5	Arunachal Pradesh	Arunachal PD	205
6	Assam	APDCL	250
7	Bihar	NBPDCL	176
8		SBPDCL	205
9	Chhattisgarh	CSPDCL	311
10	Delhi	NDMC	75
11	Goa	Goa-PD	297
12	Gujarat	DGVCL	306
13		MGVCL	130
14		PGVCL	309
15		UGVCL	274
16	Haryana	DHBVNL	388
17		UHBVNL	195
18	Himachal Pradesh	HPSEBL	531
19	Jammu & Kashmir	JPDCL	186
20		KPDCL	159
21	Jharkhand	JBVNL	277

Sl.No.	State	DISCOM	Participants
22	Karnataka	BESCOM	170
23		CESCOM	147
24		GESCOM	39
25		HESCOM	184
26		MESCOM	40
27	Kerala	TCED+CPT	180
28		KSEBL	823
29	Ladakh	Ladakh PD	81
30	Madhya Pradesh	MPPKVVCL-C	347
31		MPPKVVCL-E	479
32		MPPKVVCL-W	495
33	Maharashtra	BEST	256
34		MSEDCL	626

35	Manipur	MSPDCL	103
36	Meghalaya	MePDCL	161
37	Mizoram	Mizoram-PD	121
38	Nagaland	DOP	42
39	Puducherry	PED	214
40	Punjab	PSPCL	330

41	Rajasthan	AVVNL	179
42		JdVVNL	364
43		JVVNL	280
44	Sikkim	DoP Sikkim	144
45	Tamil Nadu	TNPDCL/TANGEDCO	884
46	Telangana	TSNPDCL	80
47		TSSPDCL	111
48	Tripura	TSECL	366
49	Uttar Pradesh	DVVNL	226
50		KESCO	309
51		MVVNL	234
52		PaVVNL	327
53		PuVVNL	238
54	Uttarakhand	UPCL	130
55	West Bengal	WBSEDCL	248
Total			14,853

This information was given by The Minister of State in the Ministry of Power, Shri Shripad Naik, in a written reply in the Rajya Sabha today.

NR/MD

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इस विज्ञप्ति को इन भाषाओं में पढ़ें: Urdu , हिन्दी , Tamil

