

JOINT ELECTRICITY REGULATORY COMMISSION
FOR THE STATE OF GOA AND UNION TERRITORIES
GURGAON

Quorum

Shri M.K. GOEL, Chairperson

Suo Moto Petition No.77/2012

Date of Hearing: 23rd June 2021

Date of Order: 29th July 2021

In the matter of:

Status of Consumer Metering as per Regulations 6 & 7 of the Joint Electricity Regulatory Commission (Electricity Supply Code) Regulations, 2018 and as amended from time to time.

And in the matter of:

- 1) Electricity Department, Goa
- 2) Electricity Department, UT of Andaman & Nicobar
- 3) Electricity Department, UT of Chandigarh
- 4) Electricity Department, UT of Daman & Diu
- 5) Electricity Department, UT of Dadra & Nagar Haveli
- 6) Electricity Department, UT of Puducherry
- 7) Electricity Department, UT of Lakshadweep

Respondents Present.....

1. Shri. Raghuvir Keni, chief Electrical Engineer, Electricity Department, Goa
2. Shri Ajit Bernard, Superintending Engineer, Electricity Department, A&N Islands
3. Shri Virmani, Superintending Engineer, Electricity Department, Chandigarh
4. Shri M.R.Ingle, Executive Engineer, Electricity Department, Daman & Diu
5. Shri Dilesh Solanki, Asstt.Engineer, Electricity Department, Daman & Diu
6. Shri R.B. Chaubal, Deputy Engineer, DNHPDCL
7. Shri T. Chanemougam, Superintending Engineer, Electricity Department, Puducherry

ORDER

The Commission has conducted the Suo Moto Hearing on 23rd June , 2021 in the matter of Status of Consumer Metering as per Regulations 6 & 7 of the Joint Electricity Regulatory Commission (Electricity Supply Code) Regulations, 2018 and as amended from time to time in order to ascertain and take on record work done vis-à-vis targets by the DISCOM/EDs in each territory in FY2020-21 towards replacement of mechanical and defective electronic meters and providing meters for unmetered connections and also their Action Plan for such replacement in FY 2021-22.

The Commission has received detailed information on affidavit for FY 2020-21 along with the action plan for the FY2021-22 regarding compliance of metering status. The same has been taken on record.

1. ELECTRICITY DEPARTMENT, GOA: RESPONDENT NO.1

I. FY 2020-21

The Respondent No.1 has submitted that the total number of consumers are 6,64,958 as on 31st March 2021. The number of meters planned to be replaced were 1,25,699 out of which 93,642 were mechanical meters, 31,975 were defective electronic meters and 82 unmetered consumers. The actual number of meters replaced were 17,021 out of which 10,379 are mechanical meters, 6,633 were defective electronic meters and 9 unmetered consumers.

Status of replacement of Consumer Metering for FY 2020-21 is as tabulated below: -

ED-Goa for FY 2020-21				
Particulars	Mechanical Meters to be replaced	Defective Electronic Meters to be replaced	Unmetered connections to be metered	Meter for new connection*
Commitment as per previous order	93642	31975	82	8000
Actual Achievement	10379	6633	9	10514*
Shortfall	83263	25342	73	0
No. of new connections were more than the projected				

The Commission observed that for FY2020-21 actual number of meters replaced were around 13% of commitment as per previous order.

II. FY 2021-22

The Respondent No.1 has submitted that total number of consumers are estimated to be 6, 81,758 on 31st March, 2022. The number of meters to be replaced are 47,385 out of which 12,600 are mechanical meters and 34,712 are defective electronic meters. Provision has been made for 16800 meters for new connections.

The Status of compliance for FY 2021-22 is as under:

ED-Goa for FY 2021-22				
Particulars	Mechanical Meters to be replaced	Defective Electronic Meters to be replaced	Unmetered connections to be metered	Meter for new connection*
Additional Meters for FY 2021-22		9370	0	
Total Target Meters to be installed or replaced in FY 2021-22 (including backlog of previous year)	83263	34712	73	16800
Commitment	12600	34712	73	16800
Actual for Q1				

Total target meters to be installed in FY 2021-22 (including backlog of FY 2020-21) are 83,263 mechanical meters, 34,712 defective electronic meters and 73 unmetered connections. The meters proposed for new connections are 16,800.

In compliance to the direction of the Commission to submit action plan on affidavit. The Respondent has submitted the action plan as under:

DETAILED MONTH WISE ACTION PLAN FOR FY 2021-22(Nos)						
Months	Mechanical Meter (1)	Defective Electronic Meters (2)	Unmetered consumers (3)	Total Meters to be replaced (1) +(2) +(3) = (4)	Meters for New connections (5)	No. of Prepaid metering and smart metering to be installed
Total Meters remaining to be replaced as on March 2021.	83263	34712	73	118048		
April 2021	1100	3000	0	4100	1200	0
May 2021	1000	3000	0	4000	1200	0
June 2021	1200	2712	0	3912	1500	0
Jul 2021	1000	3000	12	4012	1400	0
August 2021	1000	3000	13	4013	1300	0
Sept 2021	1000	3000	13	4013	1500	0
October 2021	1100	2800	14	3914	1600	0
November 2021	1100	3000	13	4113	1200	0
December 2021	1000	2500	8	3508	1300	0
January 2022	1000	3000	0	4000	1400	0
February 2022	1000	2700	0	3700	1500	0
March 2022	1100	3000	0	4100	1700	0
Total Meters Replaced	12600	34712	73	47385	16800	0
Total Meters remaining to be replaced as on March 2022	70663	0	0	70663		

The Commission observed that ED-Goa was not able to complete the replacement of mechanical meters as committed for FY 2020-21 in the hearing dated 30th July 2020

The respondent at the time of hearing has submitted that they shall be able to replace the meters as per the commitment tabulated above. However, there would be around 70663 mechanical meters pending to be replaced as on March 2022. During the time of hearing, ED-Goa submitted that within next two months proposal will be finalized with EESL (based on opex model) for procurement of around 47,000 smart meters. These meters will be used to replace mechanical meters and defective electronic meters within 6 months.

Therefore, the Commission directs that the unmetered consumers be metered on first priority. The Commission further directs that replacement of all defective electronic and mechanical meters be ensured as per the above given action plan.

III. Status of Meters and Feeder Meters (as on 31st March 2021): -

SNo.	Feeder Meters				
	Voltage level of Feeder(kV)	Total number of Feeder	No. Feeders on which energy Meters are installed	No. of Working Energy Meters	Type of meter
1	220	16	16	16	Electronic
2	110	10	10	10	Electronic
3	132	NA	NA	NA	
4	66	NA	NA	NA	
5	33	166	166	166	Electronic
6	11	318	318	318	Electronic
7	LT (415)	NA	NA	NA	-

SNo.	Substation Meters				
	Voltage Levels of Transformers 11/0.415KV or 33/0.415KV	Total number of Transformers	No. of Transformers on which energy Meters are installed	No. of Working Energy Meters	Type of meter
1	11/0.415KV	8219	8219	6876	Electronic
2	33/0.415 KV	72	62	61	Electronic
3	33/11 KV	107	107	103	Electronic
4	110/33	12	12	12	Electronic
5	220/110	5	5	5	Electronic
6	220/33	9	9	9	Electronic
7	66/33kV	Not Applicable			
8	66/11kV				
9	132/66 kV				
10	132/33 kV				
11	220/132 kV				
12	220/66kV				

The Commission observed that the Energy meters are installed on all Feeders & Transformers therefore the ED-Goa can conduct the Energy Audit. ED-Goa is directed to conduct the energy audit & submit its report along with the next Tariff Petition filing.

2. ELECTRICITY DEPARTMENT, U.T ANDAMAN & NICOBAR ISLANDS: RESPONDENT NO.2

I. FY 2020-21

The Respondent No.2 has submitted that the total number of consumers were 1,38,739 as on 31st March 2021. The total number of meters planned to be replaced were 37,107 out of which 25,500 were mechanical meters, 11,607 were defective electronic meters. The respondent has further submitted that there are no unmetered consumers.

Status of replacement of Consumer Metering for FY 2020-21 is as tabulated below: -

ED-A&N ISLANDS (FY 2020-21)				
Particulars	Mechanical Meters to be replaced	Defective Electronic Meters to be replaced	Unmetered connections to be metered	Meter for new connection*
Commitment as per previous order	25,500	11,607		1,196
Actual Achievement	4,523	627		0
Shortfall	20,977	10,980	0	1,196
*Actual meters installed for new connection for FY 2020-21 is not given				

The Commission observed that for FY 2020-21 out of total number of meters committed to be replaced, meters actually replaced were 4,523 mechanical meters and 627 defective electronic meters. Hence, there is still a shortfall of 20,977 mechanical meters and 10,980 defective electronic meters as on 31st March 2021. The number of new connections released and pending as on March 31,2021 be shared within one month of issue of this order.

II. FY 2021-22

The Respondent No. 2 has submitted that total number of consumers are estimated to be 1,40,800 as on 31st March, 2022. The Respondent No. 2 has not submitted appropriate action plan for the replacement of meters.

The Status of compliance for FY 2021-22 is as under:

ED-A&N ISLANDS (FY 2021-22)				
Particulars	Mechanical Meters to be replaced	Defective Electronic Meters to be replaced	Unmetered connections to be metered	Meter for new connection*
Additional Meters for FY 2021-22	0	0	0	500
Total Target meters to be installed or replaced in FY 2021-22(including backlog of previous year)	20,977	10,980	0	500
Commitment	Not given	Not given		500
Actual for Q1				

Total target meters to be installed in FY 2021-22 (including backlog of FY 2020-21) are 20,977 mechanical meters, 10980 defective electronic meters. There are no unmetered connections. The meters proposed for new connections (including backlog) are 500.

During hearing ED-A&N submitted that around 40,000 new meters have been procured from EESL. These meters will be used to replace defective electronic meters and mechanical meters within 3 to 4 months. The Commission further directed to provide the firm action plan for the same on affidavit.

In compliance to the direction of the Commission to submit action plan on affidavit. The Respondent has submitted the action plan as under:

DETAILED MONTH WISE ACTION PLAN FOR FY 2021-22(Nos)						
Months	Mechanical Meter (1)	Defective Electronic Meters (2)	Unmetered consumers (3)	Total Meters to be replaced (1)+(2)+(3) = (4)	Meters for New connections (5)	No. of Prepaid metering and smart metering to be installed
April 2021	20,977			31,957		1,430
May 2021					0	0
June 2021					0	0
Jul 2021	Consumer Indexing to be carried out by EESL to determine actual number of Mechanical meters to be replaced.		0	Consumer Indexing to be carried out by EESL after removal of lockdown	500	25,610
August 2021			0			
Sept 2021			0			
October 2021				-		
November 2021				-		
December 2021				-		
January 2022				-		
February 2022				-		
March 2022				-		
Total Meters Replaced	Consumer Indexing to be carried out by EESL.	Consumer Indexing to be carried out by EESL.		Consumer Indexing to be carried out by EESL.		

The Commission observed that ED-A&N Islands have not submitted the firm action plan for FY 2021-22. The respondent further submitted that action plan for Mechanical and Defective meters to be replaced from October, 2021 onwards shall depend on actual meter replacement carried out in the 2nd quarter of FY 2021-22. However, due to COVID-19 lockdown action plan was not drafted.

The Commission takes a serious note of the lapse on the part of A&N department and directs ED-A&N to submit the firm action plan for installation of meters month wise for the total number of meters to be replaced within one month of issuance of this order.

III. Status of Meters and Feeder Meters (as on 31st March 2021): -

SNo.	Feeder Meters				
	Voltage level of Feeder(kV)	Total number of Feeder	No. Feeders on which energy Meters are installed	No. of Working Energy Meters	Type of meter
1	220	NA	NA	NA	NA
2	132	NA	NA	NA	NA
3	66	NA	NA	NA	NA
4	33	6	6	6	Electronic-6
5	11	45	36	35	Electronic-30 Electro-Mechanical-6
6	LT (415)	4	2	2	Electro-Mechanical-2

SNo.	Substation Meters				
	Voltage Levels of Transformers 11/0.415KV or 33/0.415KV	Total number of Transformers	No. of Transformers on which energy Meters are installed	No. of Working Energy Meters	Type of meter
1	11/0.415KV				
2	33/0.415 KV				
3	33/11 KV				
4	66/33kV				
5	66/11kV				
6	132/66 kV				
7	132/33 kV				
8	220/132 kV				-
9	220/66kV	Data not provided for this			

The Commission observes that all feeders are not metered so direct that meters be installed on all the Feeders so that Energy Audit Report can be conducted.

3. ELECTRICITY DEPARTMENT, U.T CHANDIGARH: RESPONDENT NO.3

I. FY 2020-21

The Respondent No.3 has submitted that the total number of consumers were 2,27,818 as on 31st March 2021. The number of meters planned to be replaced were 10,409 out of which 348 were mechanical meters and 10,061 were defective electronic meters. There are no unmetered consumers.

Status of replacement of Consumer Metering for FY 2020-21 is as tabulated below: -

ED-CHANDIGARH (FY 2020-21)				
Particulars	Mechanical Meters to be replaced	Defective Electronic Meters to be replaced	Unmetered connections to be metered	Meter for new connection*
Commitment as per previous order	348	10061		1562
Actual Achievement	331	8791		
Shortfall	17	1270	0	1562
*Actual meters installed for new connection for FY 2020-21 is not given				

The Commission observed that the commitment as per the previous order was not fulfilled for FY 2020-21. The respondent submitted that tentative commitment of 6,622 was given in the Suo Moto hearing held in July 2020. However, the target could not be fully achieved due to COVID-19. The number of new connections released and pending as on March 31,2021 be shared within one month of issue of this order.

II. FY 2021-22

The Respondent No. 3 has submitted that the total number of consumers are estimated to be 2, 57,744 on 31st March 2022. The number of meters to be replaced are 5,169 out of which 17 are mechanical meters and 2,876 are defective electronic meters. There are no unmetered consumers. Meters estimated for new connections are 714.

The Status of compliance for FY 2021-22 is as under:

ED-CHANDIGARH (FY 2021-22)				
Particulars	Mechanical Meters to be replaced	Defective Electronic Meters to be replaced	Unmetered connections to be metered	Meter for new connection*
Additional Meters for FY 2021-22	0	1606		714
Total Target meters to be installed or replaced in FY 2021-22(including backlog of previous year)	17	2876		714
Commitment	17	2876		714
Actual for Q1	9	1695		

Total meters to be replaced in FY 2021-22 (including backlog of FY 2020-21) are 17 mechanical meters and 2,876 defective electronic meters. There are no unmetered connections. The meters proposed for new connections are 714.

In compliance to the direction of the Commission to submit action plan on affidavit. The Respondent has submitted the action plan as under:

DETAILED MONTH WISE ACTION PLAN FOR FY 2021-22(Nos)						
Months	Mechanical Meter (1)	Defective Electronic Meters (2)	Unmetered consumers (3)	Total Meters to be replaced (1)+(2)+(3) = (4)	Meters for New connections (5)	No. of Prepaid metering and smart metering to be installed. (6)
April 2021	3	985	0	988	307	1718
May 2021	3	1164	0	1168	186	1168
June 2021	3	227	0	729	221	1551
Jul 2021			0			3500
August 2021			0			5100
Sept 2021			0			5801
October 2021			0			
November 2021			0			
December 2021			0			
January 2022						
February 2022			0			
March 2022			0			
Total Meters Replaced up to 15.06.2021	9	1695	0	1703	714	9188

The action plan submitted by ED-Chandigarh is not complete. The Commission directs ED-Chandigarh to submit the firm action plan for installation of meters month wise for the total number of meters to be replaced during 2021-22 within one month of issuance of this order.

III. Status of Meters and Feeder Meters (as on 31st March 2021): -

SNo.	Feeder Meters				
	Voltage level of Feeder(kV)	Total number of Feeder	No. Feeders on which energy Meters are installed	No. of Working Energy Meters	Type of meter
1	220	0	0	0	
2	132	0	0	0	
3	66	21	15	8	Electronic Meter
4	33	10	7	4	
5	11	276	257	240	Electronic Meter
6	LT (415)	2813	186	186	Electronic Meter

SNo.	Substation Meters				
	Voltage Levels of Transformers 11/0.415KV or 33/0.415KV	Total number of Transformers	No. of Transformers on which energy Meters are installed	No. of Working Energy Meters	Type of meter
1	11/0.415KV	2340	209	209	Electronic Meter
2	33/0.415 KV	0	0	0	
3	33/11 KV	12	12	6	Electronic Meter
4	66/33kV	3	0	0	
5	66/11kV	33	10	10	Electronic Meter
6	132/66 kV	0	0	0	
7	132/33 kV	0	0	0	
8	220/132 kV	0	0	0	

The respondent No.3 submitted that the replacement of feeder & DT meters is covered in Smart Grid work of PAN Chandigarh under National Smart Grid Mission (NSGM). However, there is new development to carry out the work of AMI by EESL as decided by MOP. The feasibility to carry out the installation of Feeder and DT meters is being explored accordingly. The Commission directs that meters on all Feeders & Transformers be ensured so that Energy Audit can be conducted at the earliest.

4. ELECTRICITY DEPARTMENT, U.T DAMAN&DIU: RESPONDENT NO.4

I. FY 2020-21

The Respondent No. 4 has submitted that the total number of consumers are 63,400 as on 31st March 2021. The number of meters to be replaced were 444 out of which 323 were mechanical meters, 121 were defective electronic meters and 0 unmetered consumers. The actual number of meters replaced were 208 out of which 87 were mechanical meters and 121 were defective electronic meters.

Status of replacement of Consumer Metering for FY 2020-21 is as tabulated below

ED-DAMAN & DIU (FY 2020-21)				
Particulars	Mechanical Meters to be replaced	Defective Electronic Meters to be replaced	Unmetered connections to be metered	Meter for new connection*
Commitment as per previous order	323	121		1,018
Actual Achievement	87	121		1,841
Shortfall	236	0	0	Nil

The Commission observed the progress and directed that the pending mechanical meters as on 31.03.2021 be replaced on priority.

II. FY 2021-22

The Respondent No.4 has submitted that the total number of consumers estimated to be 65,037 as on 31st March 2022. The total number of meters planned to be replaced by ED-DD are 129 out of which 80 are mechanical meters and 49 are defective electronic meters. There are no unmetered consumers. Meters proposed for new connections are 1,637. The actual number of meters replaced for Q1 of FY 2021-22 were 10 mechanical meters and 44 were defective electronic meters.

The Status of compliance for FY 2021-22 is as under:

ED-DAMAN & DIU				
Particulars	Mechanical Meters to be replaced	Defective Electronic Meters to be replaced	Unmetered connections to be metered	Meter for new connection*
Additional Meters for FY 2021-22		49	0	1,637
Total Target meters to be installed or replaced in FY 2021-22 (including backlog of previous year)	236	49	0	1,637
Commitment	80	49		1,637
Actual for Q1	10	44		137* (during April & May)

Total target meters to be replaced in FY 2021-22 (including backlog of FY 2020-21) are 236 mechanical meters, 49 defective electronic meters. There are no unmetered connections. Meter proposed for new connections are 1,637.

In compliance to the direction of the Commission to submit action plan on affidavit. The Respondent has submitted the action plan as under:

DETAILED MONTH WISE ACTION PLAN FOR FY 2021-22(Nos)						
Months	Mechanical Meter (1)	Defective Electronic Meters (2)	Unmetered consumers (3)	Total Meters to be replaced (1)+(2)(3) = (4)	Meters for New connections (5)	No. of Prepaid metering and smart metering to be installed
April 2021	5	20	0	25	100	0
May 2021	5	11	0	16	37	0
June 2021	7	13	0	20	150	0
Jul 2021	7	0	0	7	150	0
August 2021	7	0	0	7	150	0
Sept 2021	7	0	0	7	150	0
October 2021	7	0	0	7	150	0
November 2021	7	0	0	7	150	0
December 2021		0	0	7	150	0
January 2022	7	0	0	7	150	0
February 2022	7	0	0	7	150	0
March 2022	7	0	0	7	150	0
Total Meters Replaced	80	44	0	124	1637	0

The Commission observed that there are 236 mechanical meters pending to be replaced in FY 2021-22(including backlog). The Respondent submitted most of the households with domestic connections are closed for long time since the residents are out of country. The said meters will be replaced as and when the house is found open.

The Commission therefore directs the respondent that the replacement of all defective electronic and mechanical meters with backlog be ensured on priority.

III. Status of Meters and Feeder Meters (as on 31st March 2021): -

SNo.	Feeder Meters				
	Voltage level of Feeder(kV)	Total number of Feeder	No. Feeders on which energy Meters are installed	No. of Working Energy Meters	Type of meter
1	220	6	100%	100%	Electronic
2	132	0			-
3	66	13			Electronic
4	33	0			-
5	11	116			Electronic
6	LT (415)	1523			Electronic

SNo.	Substation Meters				
	Voltage Levels of Transformers 11/0.415KV or33/0.415KV	Total number of Transformers	No. of Transformers on which energy Meters are installed	No. of Working Energy Meters	Type of meter
1	11/0.415KV	920	100%	100%	Electronic
2	33/0.415 KV	0			-
3	33/11 KV	0			-
4	66/33kV	0			-
5	66/11kV	32			Electronic
6	132/66 kV	0			-
7	132/33 kV	0			-
8	220/132 kV	0			-

The Commission notes that all feeders & Transformers are metered for conducting Energy Audit and respondent is conducting Energy Audit also. The Commission appreciated the effort made by the utility.

5. DNHPDCL, U.T DADRA & NAGAR HAVELI: RESPONDENT NO.5

I. **FY 2020-21**

The Respondent No. 5 has submitted that the total number of consumers are 83,679 as on 31st March 2021. The number of meters to be replaced were 5,993, out of which 2,541 were mechanical meters and 3,452 were defective electronic meters. There are no unmetered consumers. The actual number of meters replaced were 2,163 defective electronic meters.

Status of replacement of Consumer Metering for FY 2020-21 is as tabulated below

DNHPDCL				
Particulars	Mechanical Meters to be replaced	Defective Electronic Meters to be replaced	Unmetered connections to be metered	Meter for new connection*
Commitment as per previous order	2541	3452	0	3196
Actual Achievement	0	2163	0	2562
Shortfall	2541	1289	0	634

The Commission observed that no mechanical meters was replaced during FY 2020-21 as committed by DNHPDCL during Suo-Moto hearing held in July 2020. The Commission noted the progress of Respondent No. 5 and directed that all the effort be made to comply the commitment of FY 2020-21 in 2021-22 on priority.

FY 2021-22

The Respondent No. 5 has submitted that total number of consumers estimated to be 85,941 as on 31st March 2022. The number of meters to be replaced in FY2021-22 are 8,534 out of which 2,541 are mechanical meters and 5,063 are defective electronic meters. There are no unmetered consumers. Meters proposed for new connections are 3,257.

The Status of compliance for FY 2021-22 is as under:

DNHPDCL				
Particulars	Mechanical Meters to be replaced	Defective Electronic Meters to be replaced	Unmetered connections to be metered	Meter for new connection*
Additional Meters for FY 2021-22	0	3,774	0	-
Total Target Meters to be installed or replaced in FY 2021-22(including backlog of previous year)	2,541	5,063	0	3257
Commitment	2,541	5,063	0	3,257
Actual for Q1				

Total target meters to be replaced in FY 2021-22 (including backlog of FY 2020-21) are 2,541 mechanical meters, 5,063 defective electronic meters to be replaced. There are no unmetered connections. Meters proposed for new connections are 3257

In compliance to the direction of the Commission to submit action plan on affidavit. The Respondent No.5 has submitted the action plan as under:

DETAILED MONTH WISE ACTION PLAN FOR FY 2021-22(Nos)						
Months	Mechanical Meter (1)	Defective Electronic Meters (2)	Unmetered consumers (3)	Total Meters to be replaced (1)+(2)+(3) = (4)	Meters for New connections (5)	No. of Prepaid metering and smart metering to be installed
April 2021	0	77	0	77	170	0
May 2021	0	17	0	17	87	0
June 2021	111	199	0	310	300	0
Jul 2021	170	430	0	600	300	0
August 2021	170	430	0	600	300	0
Sept 2021	170	430	0	600	300	0
October 2021	270	530	0	800	300	0
November 2021	270	530	0	800	300	0
December 2021	370	630	0	1000	300	0
January 2022	370	630	0	1000	300	0
February 2022	370	630	0	1000	300	0
March 2022	270	530	0	800	300	0
Total Meters Replaced	2541	5063	0	7604	3257	0

The Commission observed that the respondent 5 was not able to complete the replacement of mechanical meters as committed for FY 2020-21.

The Commission therefore directs the respondent 5 that replacement of all defective electronic meters and mechanical meters be ensured as per the above given action plan.

II. Status of Meters and Feeder Meters (as on 31st March 2021): -

SNo.	Feeder Meters				
	Voltage level of Feeder(kV)	Total number of Feeder	No. Feeders on which energy Meters are installed	No. of Working Energy Meters	Type of meter
1	220	8	100%	100%	Electronic-TVT
2	132	0	-	-	-
3	66	25	100%	100%	Electronic-TVT
4	33	0	-	-	-
5	11	266	100%	100%	Electronic-TVT
6	LT (415)	-	-	-	-

SNo.	Substation Meters				
	Voltage Levels of Transformers 11/0.415KV or33/0.415KV	Total number of Transformers	No. of Transformers on which energy Meters are installed	No. of Working Energy Meters	Type of meter
1	11/0.415KV	1301	100%	100%	Electronic
2	33/0.415 KV	-	-	-	-
3	33/11 KV	-	-	-	-
4	66/33kV	-	-	-	-
5	66/11kV	46	100%	100%	Electronic
6	132/66 kV	-	-	-	-
7	132/33 kV	-	-	-	-
8	220/132 kV	-	-	-	-
9	220/66kV	9	100%	100%	Electronic

Commission also observed that the Energy Audit report is being submitted by respondent No. 5 in a timely manner. The Commission appreciated the effort made by the utility.

6. ELECTRICITY DEPARTMENT, U.T PUDUCHERRY: RESPONDENT NO.6

I. FY 2020-21

The Respondent No.6 has submitted that total number of consumers are 4,38,608 as on 31st March 2021. The number of meters to be replaced were 53,626 out of which 23,630 are mechanical meters, 18,095 were defective electronic meters and 11,901 unmetered consumers. The actual number of meters replaced were 27,267 out of which 15,291 were mechanical meters, 8,430 were defective Electronic meters and 3,546 were unmetered consumers.

Status of replacement of Consumer Metering for FY 2020-21 is as tabulated below:

ED-PUDUCHERRY(FY2020-21)				
Particulars	Mechanical Meters to be replaced	Defective Electronic Meters to be replaced	Unmetered connections to be metered	Meter for new connection*
Commitment as per previous order	23,630	18,095	11,901	9,638
Actual Achievement	15,291	8,430	3,546	8050
Shortfall	8,339	9665	8,355	9,638

The Commission observed that for FY 2020-21, the unmetered connections are still on a very high mark. Further, the number of mechanical and defective electronic meters actually replaced in FY 2020-21 is far less than the commitment.

FY 2021-22

The Respondent No. 6 has submitted that total number of consumers are estimated to be 4, 64,967 as on 31st March 2022. It is observed that no new meters are proposed as part of action plan for replacement but only proposal for clearing the backlog is given. Total number of meters proposed for new connections are 10,000.

The Status of compliance for FY 2021-22 is as under:

ED-PUDUCHERRY				
Particulars	Mechanical Meters to be replaced	Defective Electronic Meters to be replaced	Unmetered connections to be metered	Meter for new connection*
Additional Meters for FY 2021-22	0	0	0	
Total Target meters to be installed or replaced in FY 2021-22(including backlog of previous year)	8339	9665	8355	10000
Commitment	8339	9665	8335	10,000
Actual for Q1				

Total target meters to be replaced in FY 2021-22 (including backlog of FY 2020-21) are 8,339 mechanical meters, 9,665 defective electronic meters to be replaced and 8,335 unmetered connections. Meters proposed for new connections are 10,000.

In compliance to the direction of the Commission to submit action plan on affidavit, the Respondent has submitted the action plan as under:

DETAILED MONTH WISE ACTION PLAN FOR FY 2021-22(Nos)						
Months	Mechanical Meter (1)	Defective Electronic Meters (2)	Unmetered consumers (3)	Total Meters to be replaced (1)+(2)+(3) = (4)	Meters for New connections (5)	No. of Prepaid metering and smart metering to be installed
April 2021	637	148	102	887	1518	As the proposal for deployment of prepaid meters /smart meters is yet to be planned and implemented, it may not be possible to implement the scheme during the current financial year. However, the required efforts will be taken for implementing the pre-paid meters during the next financial year under the new distribution reforms schemes of MoP, Govt. of India.
May 2021						
June 2021	263	52	48	363		
Jul 2021	502	1052	203	1757	600	
August 2021	900	1100	900	2900	650	
Sept 2021	900	1100	1050	3050	650	
October 2021	900	1150	1050	3100	750	
November 2021	900	1150	1100	3150	750	
December 2021	900	1150	1100	3150	750	
January 2022	900	1150	1050	3100	1432	
February 2022	900	1000	900	2800	1450	
March 2022	637	613	852	2102	1450	
Total Meters Replaced	8339	9665	8355	26359	10000	

ED-Puducherry submitted that due to pandemic covid-19 and financial constraints of the Government of Puducherry, the metering target fixed for FY 20-21 could not be achieved in full. However, it will be ensured the backlog FY 2020-21 will be achieved during FY 2021-22. During the hearing, Respondent No. 6 submitted that smart grid pilot project is implemented and it is planned to convert 33,000 meters in to smart meters. Further, Respondent No.6 is in discussion with PFCCCL for roll out plan of smart meters. **The Commission directs that the unmetered consumers be metered on top priority.**

II. STATUS OF Meters and Feeder Meters (as on 31st March 2021)

SNo.	Feeder Meters				
	Voltage level of Feeder(kV)	Total number of Feeder	No. Feeders on which energy Meters are installed	No. of Working Energy Meters	Type of meter
1	220	4	4	4	ABT
2	132	1	1	1	STATIC
3	110	26	51	51	DLMS
4	66	0	0	0	
5	33	2	2	2	STATIC
6	22	71	71	71	DLMS
7	11	52	52	52	DLMS
8	LT (415)	0	0	0	-

SNo.	Substation Meters				
	Voltage Levels of Transformers 11/0.415KV or 33/0.415KV	Total number of Transformers	No. of Transformers on which energy Meters are installed	No. of Working Energy Meters	Type of meter
1	11/0.415KV	824	483	397	DLMS
2	33/0.415 KV 22/.415KV	2391	1919	1306	DLMS
3	33/11 KV	2	2	2	STATIC
4	66/33kV	0	0	0	
5	66/11kV	0	0	0	
6	132/33 kV	1	1	1	STATIC
7	132/11 kV	2	0	0	STATIC
	110/11KV	11	2	2	DLMS
	110/22 KV	29	7	7	DLMS
8	230/110 kV	8	8	8	DLMS

The Commission observed that the Energy meters are installed on all Feeder Meters. However, meters are not installed on all Transformers therefore direct the respondent No.6 to install meters on all Transformers so that the Energy Audit can be conducted at the earliest.

7. ELECTRICITY DEPARTMENT, U.T LAKSHADWEEP: RESPONDENT NO.7

The Respondent no. 7 has not submitted the metering status of FY 2020-21, action plan for FY 2021-22 and details of Energy meters as per the format given by the Commission.

The Commission took a serious note on the lapse of the Respondent No. 7, who has neither submitted the information nor attended the hearing. Therefore, respondent No. 7 is directed to submit the information as per the formats of the Commission within one month of issuance of this order. In case of non-submission of data, Commission will be constrained to take appropriate action.

Ordered accordingly.

Sd/-
(M.K Goel)
CHAIRPERSON

Certified Copy



(Rakesh Kumar)
Secretary