

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

Quorum

Smt. Jyoti Prasad, Member (Law)

Suo Moto Petition No.77/2012

Date of Hearing: 29th & 30th Nov. 2022

Date of Order:

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, UT of Andaman & Nicobar
- 2) Electricity Department, UT of Puducherry
- 3) Electricity Department, UT of Lakshadweep
- 4) Dadra & Nagar Haveli and Daman & Diu Power Corporation Ltd.
- 5) Electricity Department, Goa
- 6) Electricity Department, UT of Chandigarh

Respondents Present.....

Respondent No.1

- a) Shri. Karuna Jaydhar, Superintending Engineer, Electricity Department, A&N Islands
- b) Shri Mt. Usha Kapoor, Electricity Department, A&N Islands

Respondent No.2

- a) Shri.T. Chanemougam, Superintending Engineer cum HOD, Electricity Department, Puducherry
- b) Shri. M. Ramesh, Executive Engineer, Electricity Department, Puducherry

Respondent No.3

- a) Shri. K.P. Naseemudeen, Assistant Executive Engineer, Electricity Department, Lakshadweep.

Respondent No.4

- a) Shri. Chetan Bundela, Vice President, DNHDDPDCL
- b) Shri. Jignesh Langalia, General Manager, DNHDDPDCL
- c) Shri. Rahul Dubey, Assistant Manager, DNHDDPDCL
- d) Shri Sudhir Sharma, Assistant Manager, DNHDDPDCL

Respondent No.5

- a) Shri. Shailesh Naik Burye, Superintending Engineer, Electricity Department, Goa
- b) Shri. Sayish G.N. Shirodkar, Junior Engineer, Electricity Department, Goa

Respondent No.6

- a) Shri.Amit Kumar, Assistant Executive Engineer, Electricity Department, Chandigarh
- b) Shri.U.K. Patel, XEN OP-2, Electricity Department, Chandigarh

ORDER

The Commission held the Suo Moto Hearing on 29th November, 2022, for ED, Andaman & Nicobar Island, ED, Lakshadweep, and ED, Puducherry, and on November 30, 2022, for DNHDDPDCL, ED, Chandigarh, and ED, Goa in the matter of the Status of Consumer Metering as per Regulations 6 and 7 of the Joint Electricity Regulatory Commission (Electricity Supply Code) Regulations, 2018 as amended from time to time. In order to ascertain and take on record the work done vis-à-vis targets by the DISCOM/EDs in each territory in FY2021-22 towards replacement of mechanical and defective electronic meters and providing meters for unmetered connections and also their Action Plan for such replacement/compliance in FY 2022-23.

The Commission has received detailed information from all the Licensees for FY 2021-22 along with the action plan for the FY2022-23 regarding compliance of metering status. The same has been taken on record.

1. ELECTRICITY DEPARTMENT, ANDAMAN & NICOBAR ISLANDS: RESPONDENT NO.1

a) ACTUAL ACHIVEMENT FOR FY 2021-22

The Respondent No.1 has submitted that the total number of consumers were 144228 as per the Tariff Order FY 2021-22. The total number of meters planned to be replaced were 31,957 out of which 20977 were mechanical meters, 10980 were defective electronic meters. The respondent has further submitted that there are no unmetered consumers. The total target of 2610 new connection to be provided during FY 2021-22.

Status of replacement of Consumer Metering for FY 2021-22 is as tabulated below: -

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
Previous Target/Commitment as per previous order	20977	10980	0	2610
Actual Achievement	5933	3324	0	2296
Shortfall	15044	7656	0	314

The Commission noted that for FY 2021-2022, out of the total number of meters promised to be replaced, 5933 mechanical meters and 3324 defective electronic meters were actually replaced, accounting for 29% of the commitment as per previous order. Hence, there is still a shortfall of 15044 mechanical meters and 7656 defective electronic meters. The number of new connections released are 2296 where as the shortfall is calculated to be 314.

b) ACTION PLAN FOR FY 2022-23

The Respondent No. 1 has submitted that total number of consumers is estimated to be 148740 as per the Tariff Order FY 2022-23. The commitment made for number of meters to be replaced are 15044 mechanical meters and 10850 defective electronic meters, there are no unmetered connections. Provision has been made for 3305 meters for new connection. In respect to the commitments, they were

able to replace 646 mechanical meters and 220 defective electronic meters and provide 1561 new connections to the consumers in first Quarter (from April-22 to June-22)

The Status of compliance for FY 2022-23 is as under:

ED-A&N ISLANDS ACTION PLAN (FY 2022-23)				
Particulars	Mechanical meters to be replaced	Defective Electronic meters to be replaced	Unmetered connections to be metered	Meter for new connection
Opening for FY 2022-23 (backlog from FY 2021-22)	15044	7656	0	314
Additional Meters for FY 2022-23	0	3194	0	3990
Total Target Meters to be installed or replaced in FY 2022- 23 (including backlog of previous year)	15044	10850	0	4304
Commitment	8433	6968	0	3305
Actual for Q1	646	220	0	1561

Total

target meters to be installed in FY 2022-23 (including backlog of FY 2021-22) are 15044 mechanical meters, 10850 defective electronic meters. There are no unmetered connections. The meters proposed for new connections (including backlog) are 4304.

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 2022-23(Nos)						
Months	Mechanical Meter (1)	Defective Electronic Meter (2)	Unmetered Consumers (3)	Total Meters to be replaced (1)+(2)+(3)=(4)	Meter for New Connections (5)	No. of Prepaid metering and smart metering to be installed
Total Meters remaining to be replaced In FY-2022-23	15044	10850	0	25894	4304	0
Apr-22	226	90	0	316	451	0
May-22	222	85	0	307	620	0
Jun-22	198	45	0	243	490	0
Jul-22	237	48	0	285	144	0
Aug-22	400	450	0	850	200	0
Sep-22	550	550	0	1100	200	0
Oct-22	1100	600	0	1700	200	0
Nov-22	1100	990	0	2090	200	0
Dec-22	1100	990	0	2090	200	0
Jan-22	1100	1020	0	2120	200	0
Feb-23	1100	1050	0	2150	200	0

Mar-23	1100	1050	0	2150	200	0
Total meters replaced	8433	6968	0	15401	3305	0
Total meters remaining to be replaced as per FY 2023-24	6611	3882	0	10493	999	0

The Commission observed that ED-A&N Islands was not able to complete the replacement of mechanical meters as committed for FY 2021-22. The respondent at the time of hearing has submitted that they shall be able to replace the meters as per the commitment tabulated above.

During the hearing EDA&N submitted that under IPDS & DDUJGY 76,000 Smart Meter were installed by 31st December 2021 covering 54% consumers where 70000 are single phase meters, 5000 are three phase meters and 1000 are LT-CT Meters.

About 46% of Consumers are left to be metered with smart meters, 27,302 under IPDS were not executed due to closure of scheme on 31.03.2022. These meters will be covered along with feeder and transformer metering under RDSS Scheme.

The Commission took a serious view on the non compliance by the ED-A&N on the replacement of the meters. Therefore, the Commission directs the respondent to replace all defective electronic and mechanical meters on priority. The Commission further directs to provide the firm action plan on the above directives on affidavit within 30 days of issue of this order.

c) STATUS OF FEEDER METERS AND SUBSTATION METERS:-

S.No	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	110	NA	NA	NA	NA
3	132	NA	NA	NA	NA
4	66	NA	NA	NA	NA
5	33	15	14	14	0
6	11	49	34	34	Electronic - 33 Electro-Mechanical -1
7	LT (415)	10	3	3	Electronic
S.No.	Substation Meters				
	Voltage Levels Transformers 12/0.415KV or 33/0.415KV	Total number of Transformers	No. of Transformers on which energy Meters are	No. of Working Energy Meters	Type of meter
1	11/0.415KV	861	364	308	Electronic
2	33/0.415KV	216	78	58	Electronic
3	33/11KV	11	7	7	Electronic

The Commission observed that all feeders and Substation meters are not metered hence the Commission directs that ED-A&N to submit an action plan within 30 days of issue of this order for installation of required meters and conduct the energy audit at the earliest.

2. ELECTRICITY DEPARTMENT, PUDUCHERRY: RESPONDENT NO.2

a) ACTUAL ACHIVEMENT FOR FY 2021-22

The Respondent No.2 has submitted that total number of consumers is 512338 as per the Tariff Order FY 2021-22. The number of meters to be replaced as on 31st March, 2021 was 18004 out of which 8339 are mechanical meters, 9665 were defective electronic meters and 8355 unmetered consumers. The actual number of meters replaced was 4196 out of which 2549 were mechanical meters, 1647 were defective Electronic meters. Further only 221 were unmetered connections were provided.

Status of replacement of Consumer Metering for FY 2021-22 is as tabulated below:

ED-PUDUCHERRY (FY 2021-22)				
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	8339	9665	8355	10000
Achievement/Actual	2549	1647	221	11694
Shortfall	5790	8018	8134	0

The Commission observed that for FY 2021-22, the unmetered connections are still high. Further, the number of mechanical and defective electronic meters actually replaced in FY 2021-22 is far less than the commitment.

b) ACTION PLAN FOR FY 2022-23

The Respondent No.2 has submitted that total number of consumers is estimated to be 510523 as per the Tariff Order FY 2022-23. 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 11,000.

The Status of compliance for FY 2022-23 is as under:

ED-PUDUCHERRY ACTION PLAN (FY 2022-23)				
Particulars	Mechanical Meters to be replaced	Defective Electronic meters to be replaced	Unmetered Connections to be metered	Meter for new connection
Opening for FY 2022-23 (backlog from FY 2021-22)	5790	8018	8134	0
Total Target Meters to be installed or replaced in FY 2022-23(including backlog of previous year)	5790	8018	8134	11000
Commitment	1981	959	275	11088
Actual for H1(from April-22 to September-22)	781	59	0	5054

Total target meters to be replaced in FY 2022-23 (including backlog of FY 2021-22/commitment) are 5790 mechanical meters, 8018 defective electronic meters to be replaced and 8134 unmetered connections. Meters proposed for new connections are 11,000. As per the monthly action plan, commitment for FY 2022-23 is to replace 1981 mechanical meters, 959 defective meters, and provide 275 connections to unmetered consumers. Further 11088 meters for new connection will be provided. In respect to the commitments, they were able to replace 781 mechanical meters and 59 defective electronic meters and provide 5054 new connections to the consumers in first two Quarters **(from April-22 to September-22)**

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

The

Months	Mechanical Meters(1)	Defective Electronic Meters (2)	Unmetered consumers (3)	Total Meters to be replaced (1)+(2)+(3) =(4)	Meters for New connection (5)
Total Meters remaining to be replaced as per FY 2022-23	5790	8018	8134	21942	11000
April 2022	781	59	0	840	5054
May 2022					
June 2022					
July 2022					
Aug2022					
September 2022	200	150	25	375	1000
October 2022					
November 2022					
December 2022					
January 2023					
February 2023	200	150	50	400	1000
March 2023	200	150	50	400	1000
Total Meters Replaced/ proposed	1981	959	275	3215	11088
Total Meters remaining to be replaced as per FY 2023-24	3809	7059	7859	18727	0

Commission observed that ED-Puducherry was not able to complete the replacement of mechanical meters as committed. 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 3809 mechanical meters, 7059 defected electronic meters and 7859 unmetered pending to be replaced as on March 2023.

Further the respondent at the time of hearing has submitted that Under the Centrally sponsored Revamped Distribution Sector Scheme (RDSS) scheme around 4.06 lakhs of consumer meters will be

replaced with pre-paid smart meters in the UT of Puducherry through PFC Consulting Limited (PFCCL) under TOTEX model. The gross budgetary support of Govt. of India is 15 % of approved DPR cost. However, if the project is completed before December 2023; the UT is eligible for additional 7.5 % as Grant.

M/s PFC Consulting Limited (PFCCL) has floated the RFP and the e tender has been opened on 02.11.2022. Finalization of the bidder is under progress. The project will be completed within 10 months from date of award of contract to AMISP by M/s. PFCCL.

The Commission took a serious note on the non-compliance of the respondent with respect to the replacement of defective meters and specially metering of unmetered connection. Therefore, the Commission directs the respondent to complete the task of replacement of all defective meters and metering of unmetered connection by the end of FY 2022-23 and further directs that a detailed action plan towards the compliance of this directives be submitted to the Commission within 30 days of issuing of this order.

c) STATUS OF FEEDER METERS AND SUBSTATION METERS:-

SI No.	Feeder Meters				
	Voltage level of Feeder (KV)	Total No. of Feeder	No. of Feeders on which Energy Meters are Installed	NO. of Working Energy Meters	Types of Meters
1	230	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	75	75	75	DLMS
7	11	52	52	52	DLMS
8	L.T (415)	0	0	0	

SNo.	Substation Meters				
	Voltage level 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	834	493	407	DLMS #
2	33/0.415KV, 22/0.415V	2399	1944	1331	DLMS #
3	33/11KV	2	2	2	STATIC
4	110/22 KV	29	7	7	DLMS
5	110/11 KV	11	2	2	DLMS
6	220/110KV	8	8	8	DLMS
7	132/33KV	1	1	1	STATIC
8	132/11 KV	2	0	0	

The Commission observed that the Energy meters are installed on all Feeder Meters. However, meters are not installed on all Transformers. Accordingly, the Commission directs the respondent No.2 to start conducting energy audit and prioritize to install meters on Transformers connected to feeders having higher distribution loss.

3. ELECTRICITY DEPARTMENT, LAKSHADWEEP: RESPONDENT NO.3

a) ACTUAL ACHIVEMENT FOR FY 2021-22

The Respondent No.3 has submitted that total number of consumers is 26150 as per the Tariff Order FY 2021-22. As per the submissions of Respondent No.3 full compliance has been made for FY2021-22.

Status of replacement of Consumer Metering for FY 2021-22 is as tabulated below:

ED- LAKSHADWEEP (FY 2021-22)				
Particulars	Mechanical Meters to be replaced	Defective Electronic Meters to be replaced	Unmetered Connection to be metered	Meter for new connection
Commitment as per previous order	0	802	0	1296
Actual Achievement	0	802	0	1296
Shortfall	0	0	0	0

b) ACTION PLAN FOR FY 2022-23

The Respondent No.3 has submitted that total number of consumers is estimated to be 26914 as per the Tariff Order FY 2022-23.

The Status of compliance for FY 2022-23 is as under:

ED- LAKSHADWEEP ACTION PLAN (FY 2022-23)				
Particulars	Mechanical Meters to be replaced	Defective Electronic Meters to be replaced	Unmetered Connection to be metered	Meter for new connection
Total Target Meters to be installed or replaced in FY 2022- 23 (including backlog of previous year)	0	760	0	1020
Commitment	0	760	0	1020
Actual for Q1	0	103	0	595

Total target meters to be replaced in FY 2022-23 are 760 defective electronic meters to be replaced and meters proposed for new connections are 1020. In respect to the commitments, they were able to replace 103 defective electronic meters and provide 595 new connections to the consumers in first Quarter (from April-22 to June-22).

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

DETAILED MONTH WISE ACTION PLAN FOR FY 2022-23 (Nos)						
Months	Mechanical Meters (1)	Defective Electronic Meters (2)	Unmetered Consumers (3)	Total Meters to be replaced (1)+(2)+(3)=(4)	Meter for new connections (5)	No of Prepaid metering and smart metering to be installed
Total Meters remaining to be replaced as on March 2022	0	760	0	760	1020	0
Apr-22		103	0	103	85	0
May-22			0		85	0
Jun-22			0		85	0
Jul-22			0		85	0
Aug-22			0		85	0
Sep-22			0		85	0
Oct-22			0		85	0
Nov-22			0		85	0
Dec-22			0		85	0
Jan-23			657		0	657
Feb-23		0		85	0	
Mar-23		0		85	0	
Total Meters Replaced	0	760	0	760	1020	0
Total Meters remaining to be replaced as on March 2023			0	0	0	0

The respondent at the time of hearing has submitted that they shall be able to replace the meters as per the commitment tabulated above.

Therefore, the Commission directs that replacement of all defective electronic and mechanical meters be ensured as per the above given action plan.

c) STATUS OF FEEDER METERS AND SUBSTATION METERS

S.No	Feeder Meters				
	Voltage level of Feeder (kV)	Total number of Feeder	No. Feeders on which energy meters are installed	No of Working Energy Meter	Type of meter
1	220	NA	NA	NA	NA
2	110	NA	NA	NA	NA
3	132	NA	NA	NA	NA
4	66	NA	NA	NA	NA
5	33	NA	NA	NA	NA
6	11	30	30		Digital
7	LT (415)	10	10		Digital

S.No	Substation Meters				
	Voltage Levels of Transformers 11/0.415kV or 33/0.415 kV	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	110	40		Digital
2	33/0.415 kV	NA	NA	NA	NA
3	33/11 kV	NA	NA	NA	NA
4	110/33 kV	NA	NA	NA	NA
5	220/110	NA	NA	NA	NA
6	220/33	NA	NA	NA	NA
7	66/33	NA	NA	NA	NA
8	66/11	NA	NA	NA	NA
9	132/66	NA	NA	NA	NA
10	132/33	NA	NA	NA	NA
11	220/132	NA	NA	NA	NA
12	220/66 kV	NA	NA	NA	NA

The Commission observed that the total number of working meters is still unidentified; Commission directs that a detail of all Working Energy Meters be submitted to the Commission within 30 days of issuing of this order. The Commission further directs that the Energy- Audit report for FY 2022-23 to be submitted along with tariff petition for FY 2024-25.

4. **DADRA & NAGAR HAVELI AND DAMAN & DIU POWER DISTRIBUTION CORPORATION LTD: RESPONDENT NO.4**

a) ACTUAL ACHIVEMENT FOR FY 2021-22

The Respondent No.4 has submitted that the total number of consumers is 84952 for DNH and 67005 for Daman & Diu as per the Tariff Order FY 2021-22. As per the previous Suo-moto Order, the number of meters to be replaced as on March, 2021 was 2777 (236 for DD and 2541 for DNH) mechanical meters, and 5112 (49 for DD and 5063 DNH) were defective electronic meters. The respondent has submitted that there are no unmetered consumers.

DNHDDPDCL (FY 2021-22)				
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	2777	5112	0	4894
Achievement/Actual	2621	5107	0	4894
Shortfall	156	5	0	0

b) ACTION PLAN FOR FY 2022-23

The Respondent No.4 has submitted that the total number of consumers is estimated to be 94881 for DNH and 65826 for Daman & Diu as per the Tariff Order FY 2021-22. The number of meters to be replaced is 14429 out of which 1341 are mechanical meters and 13088 are defective electronic meters as per FY 2022-23. There are no unmetered consumers. Meters estimated for new connections are 4696. In respect to the commitments, they were able to replace 1964 defective electronic meters and provide 1846 new connections to the consumers in first & second Quarter **(from April-22 to September-22)**.

FY 2022-23				
Particulars	Mechanical Meters to be replaced	Defective Electronic Meters to be replaced	Unmetered Connections to be metered	Meter for new connection
Opening for FY 2022-23 (backlog from FY 2021-22)	156	5	0	0
Additional Meters for FY 2022-23	1185	13083	0	4696
Total Target Meters to be installed or replaced in FY 2022- 23 (including backlog of previous year)	1341	13088	0	4696
Commitment (2022-23)	1341	13088	0	4696
Actual for Q1	0	808	0	565
Actual for Q2	0	1156	0	1281

Total target meters to be installed in FY 2022-23 (including backlog of FY 2021-22) are 1341 mechanical meters, and 13088 defective electronic meters. There are no un-metered connections. The meters proposed for new connections are 4696.

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

FORMAT II						
DETAILED MONTH WISE ACTION PLAN FOR FY 2022-23(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
Apr-22	0	7	0	7	40	0
May-22	0	379	0	379	330	0
Jun-22	0	422	0	422	195	0
Jul-22	0	469	0	469	482	0
Aug-22	0	284	0	284	153	0
Sep-22	0	403	0	403	646	0
Oct-22	0	1854	0	1854	475	0
Nov-22	150	1854	0	2004	475	0
Dec-22	150	1854	0	2004	475	0
Jan-23	300	1854	0	2154	475	0
Feb-23	300	1854	0	2154	475	0
Mar-23	441	1854	0	2295	475	0
Total Meters Replaced	1341	13088	0	14429	4696	0
Total Meters remaining to be replaced as on March 2023	0	0	0	0	0	0

The respondent at the time of hearing has submitted that they shall be able to replace the meters as per the commitment tabulated above. Respondent No.4 is also evaluating the options for smart metering.

Therefore, the Commission directs that replacement of all defective electronic and mechanical meters be ensured as per the above given action plan.

c) STATUS OF FEEDER METERS AND SUBSTATION METERS:

Sr. No.	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	11 kV	380	378	378	Electronic TVT

Sr. No.	Location	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	DNHDD PDCL	11/0.415 kV	2171	2171	2171	Electronic

The Commission observed that the Energy meters are not installed on two of the Feeders of 11 kV hence the Commission directs the respondent to submit the action plan within 30 days of issue of the order for installation of required meters and conduct the Energy Audit at the earliest.

5. ELECTRICITY DEPARTMENT, GOA: RESPONDENT NO.5

a) ACTUAL ACHIVEMENT FOR FY 2021-22

The Respondent No.5 has submitted that the total number of consumers is 695970 as per the Tariff Order FY 2021-22. The number of meters planned to be replaced were 47312 out of which 12600 were mechanical meters, 34712 were defective electronic meters and 73 unmetered consumers. The actual number of meters replaced was 13209 out of which 6172 are mechanical meters, 7037 were defective electronic meters. Further 25 unmetered connections were provided about 14276 new connections to the consumers were provided.

Status of replacement of Consumer Metering for FY 2021-22 is as tabulated below: -

ED-GOA (FY 2021-22)				
Particulars	Mechanical Meters to be replaced	Defective Electronic Meters to be replaced	Unmetered Connection to be metered	Meter for new connection
Commitment as per previous order	12600	34712	73	16800

Actual Achievement	6172	7037	25	14276
Shortfall	6428	27675	48	2524

The Commission observed that for FY 2021-22 actual numbers of meters replaced were only 27% of commitment as per previous order.

b) ACTION PLAN FOR FY 2022-23

The Respondent No.5 has submitted that total number of consumers is estimated to be 721405 as per the Tariff Order FY 2022-23. The number of meters to be replaced is 53632 out of which 12444 are mechanical meters, and 41188 are defective electronic meters. Provision has been made for 19109 meters for new connections. In respect to the commitments, they were able to replace 3136 mechanical meters and 2694 defective electronic meters and provide 5611 new connections to the consumers in first Quarter **(from April-22 to June-22)**.

The Status of compliance for FY 2022-23 is as under:

ED-GOA ACTION PLAN (FY 2022-23)				
Particulars	Mechanical Meters to be replaced	Defective Electronic Meters to be replaced	Unmetered Connection to be metered	Meter for new connection
Opening for FY 2022-23 (backlog from FY 2021-22)	6428	27675	48	2524
Additional Meters for FY 2022-23	6016	13513	0	16585
Total Target Meters to be installed or replaced in FY 2022- 23 (including backlog of previous year)	12444	41188	48	19109
Commitment	12444	41188	48	19109
Actual for Q1	3136	2694	0	5611

The respondent submitted that Total target meters to be installed in FY 2022-23 are 12444 mechanical meters, 41188 defective electronic meters and 48 unmetered connections. The meters proposed to be installed for new connection are 19109 (including backlog).

The submissions made by the petitioner were not appropriate and did not match with the backlogs and the current meters to be replaced. The Commission has accordingly considered the commitment towards the completed replacement of mechanical and defective electronic meters as shown in the above table.

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

DETAILED MONTH WISE ACTION PLAN FOR FY 2022-23 (Nos)						
Months	Mechanical Meters (1)	Defective Electronic Meters (2)	Unmetered Consumers (3)	Total Meters to be replaced (1)+(2)+(3)=(4)	Meter for new connections (5)	No of Prepaid metering and smart metering to be installed
Apr-22	1162	778	0	1940	1883	0

May-22	1051	832	0	1883	1780	0
Jun-22	923	1084	0	2007	1948	0
Jul-22	2792	3159	0	5951	1769	0
Aug-22	1631	1838	0	3469	1266	0
Sep-22	1115	1328	0	2443	1463	0
Oct-22	628	5361	9	5998	1500	0
Nov-22	629	5362	9	6000	1500	0
Dec-22	628	5361	9	5998	1500	0
Jan-23	629	5361	6	5996	1500	0
Feb-23	628	5362	6	5996	1500	0
Mar-23	628	5362	9	5999	1500	0
Total Meters Replaced	12444	41188	48	53680	19109	0

The respondent at the time of hearing has submitted that they shall be able to replace the meters as per the commitment tabulated above where 12444 are mechanical meters, 41188 are defective electronic meters and 48 unmetered consumers.

During the time of hearing, ED-Goa submitted a plan for replacement of non-working mechanical meters and defective electronic meters with electronic meters as per the action plan till all the meters are finally replaced with Pre-paid Smart Meters. The MoP, Government of India has sanctioned 750356 pre-paid Smart meters under the RDS Scheme to the State of Goa. The target date for replacement will be March, 2025.

The Commission took a serious note on the non-compliance of the respondent with respect to the replacement of defective meters, mechanical meters and specially metering of unmetered connection. Therefore, the Commission directs the respondent to complete the task of replacement of all defective meters, mechanical meters and metering of unmetered connection by the end of FY 2022-23 and further directs that a detailed action plan towards the compliance of this directives be submitted to the Commission within 30 days of issuing of this order.

c) STATUS OF FEEDER METERS AND SUBSTATION METERS:

S.No	Feeder Meters				
	Voltage level of Feeder (kV)	Total number of Feeder	No. Feeders on which energy meters are installed	No of Working Energy Meter	Type of meter
1	220	16	16	16	Electronic Meters
2	110	10	10	10	Electronic Meters
3	132	NA	NA	NA	NA
4	66	NA	NA	NA	NA
5	33	165	165	165	Electronic Meters
6	11	320	320	320	Electronic Meters

S.No	Substation Meters
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	Voltage Levels of Transformers 11/0.415kV or 33/0.415 kV	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	8057	8057	6756	Electronic Meters
2	33/0.415 kV	209	209	209	Electronic Meters
3	33/11 kV	122	122	122	Electronic Meters
4	110/33 kV	16	16	16	Electronic Meters
5	220/110	8	8	8	Electronic Meters
6	220/33	7	7	7	Electronic Meters

The Commission observed that the Energy meters are installed on all Feeders. However, meters are not installed on 11/0.415kV Transformers, hence the Commission directs the respondent to submit an action plan within 30 days of issue of this order for installation of required meters and conduct Energy Audit at the earliest.

6. ELECTRICITY DEPARTMENT, CHANDIGARH: RESPONDENT NO.6

a) ACTUAL ACHIVEMENT FOR FY 2021-22

The Respondent No.6 has submitted that the total number of consumers was 234497 as per the Tariff Order FY 2021-22. The number of meters planned to be replaced were 11874 out of which 17 were mechanical meters and 11857 were defective electronic meters. There are no unmetered consumers.

Status of replacement of Consumer Metering for FY 2021-22 is as tabulated below: -

ED- CHANDIGARH (FY 2021-22)					
Particulars	Mechanical Meters to be replaced	Defective Electronic Meters to be replaced	Unmetered Connection to be metered	Meter for new connection	Remarks
Commitment as per previous order	17	11857	0	3566	The 11857 Nos. electronics meters were anticipated to be defective for replacement for FY 2021-22, however, only 8819 Nos. meters were defective and the same were replaced within the timeline. No defective meter left for replacement.
Actual Achievement	17	8819	0	3439	
Shortfall	0	0	0	0	

The Commission observed that the respondent no. 6 has fulfilled its targets as per the previous order for FY 2021-22.

b) ACTION PLAN FOR FY 2022-23

The Respondent No. 6 has submitted that the total number of consumers is estimated to be 236654 for Chandigarh as per the Tariff Order FY 2022-23. The number of meters to be replaced is 4531 defective electronic meters. There are no unmetered consumers. Meters estimated for new connections are 1220. In respect to the commitments, they were able to replace 3952 defective electronic meters and provide 1561 new connections to the consumers in first & second Quarter (from April-22 to September-22).

The Status of compliance for FY 2022-23 is as under:

ED- CHANDIGARH ACTION PLAN (FY 2022-23)					
Particulars	Mechanical Meters to be replaced	Defective Electronic Meters to be replaced	Unmetered Connection to be metered	Meter for new connection	Remarks
Total Target Meters to be installed or replaced in FY 2022-23 (including backlog of previous year)	0	4531	0	1220	The 4531 Nos. Meters are for 1st and 2nd quarter of FY 2022-23 only as additional meters for remaining period of FY 2022-23 cannot be anticipated to be defective. However, the meters found defective during each quarter are being replaced within timeline and quarterly report is being submitted to Hon'ble Commission.
Commitment (2022-23)	0	4531	0	1220	
Actual for Q1	0	2067	0	1088	
Actual for Q2	0	1885	0	473	

Total target meters to be installed in FY 2022-23 are 4531 defective electronic meters and 1220 new meters for connection.

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

DETAILED MONTH WISE ACTION PLAN FOR FY 2022-23 (Nos)						
Months	Mechanical Meters (1)	Defective Electronic Meters (2)	Unmetered Consumers (3)	Total Meters to be replaced (1)+(2)+(3)=(4)	Meter for new connections (5)	No of Prepaid metering and smart metering to be installed
Total Meters remaining to be replaced as per FY 2022-23	0	0	0	0	0	0
Apr-22	0	865	0	865	276	199

May-22	0	841	0	841	287	111
Jun-22	0	776	0	776	184	0
Jul-22	0	751	0	751	224	0
Aug-22	0	666	0	666	108	0
Sep-22	0	632	0	632	141	0
Oct-22	0	0	0	0	0	0
Nov-22	0	0	0	0	0	0
Dec-22	0	0	0	0	0	0
Jan-23	0	0	0	0	0	0
Feb-23	0	0	0	0	0	0
Mar-23	0	0	0	0	0	0
Total Meters Replaced	0	4531	0	4531	1220	0

The respondent at the time of hearing has submitted that they shall be able to replace the meters as per the commitment tabulated above. As they were successful in complying with the action plan submitted for FY 2021-22. The respondent also submitted that around 24230 smart meters are installed as on date.

c) STATUS OF FEEDER METERS AND SUBSTSTION METERS:

S.No	Feeder Meters				
	Voltage level of Feeder (kV)	Total number of Feeder	No. Feeders on which energy meters are installed	No of Working Energy Meter	Type of meter
1	66	38	16	12	Electronic Meters
2	33	9	4	4	Electronic Meters
3	11	274	259	245	Electronic Meters
4	LT (415)	2813	186	186	Electronic Meters

S.No.	Substation Meters				
	Voltage Levels of Transformers 11/0.415kV or 33/0.415 kV	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	2362	210	210	Electronic Meters
2	33/0.415 kV	0	0	0	
3	33/11 kV	12	12	6	Electronic Meters
4	110/33 kV	0	0	0	
5	220/110	0	0	0	
6	220/33	0	0	0	
7	66/33	0	0	0	
8	66/11	37	14	14	Electronic Meters

The Commission observed that all feeders and Substation meters are not metered; hence the Commission directs the respondent no. 6 to submit an action plan within 30 days of issue of this order for installation of required meters and conduct Energy Audit at the earliest.

Ordered Accordingly.

**Sd/-
(JYOTI PRASAD)
MEMBER (LAW)**

**Certified Copy
(Rakesh Kumar)
Secretary**