

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

Quorum  
Shri Alok Tandon, Chairperson  
Smt. Jyoti Prasad, Member (Law)

Suo Moto Petition No. 77/2012  
Date of Hearing: 6<sup>th</sup> & 7<sup>th</sup> November, 2023  
Date of Order: 10.04.2024

**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) Electricity Department, Goa
- 5) Dadra & Nagar Haveli and Daman & Diu Power Distribution Corporation Ltd.
- 6) Electricity Department, UT of Chandigarh

**Respondents Present.....**

Respondent No.1

- a) Smt. Rizwana; Executive Engineer, Electricity Department, A&N Islands
- b) Smt. Usha Kapoor; Assistant Engineer, Electricity Department, A&N Islands

Respondent No.2

- a) Shri. M. Ramesh, Executive Engineer, Electricity Department, Puducherry

Respondent No.3

- a) Sh. Dharwesh Khan; Executive Engineer, Electricity Department, Lakshadweep.
- b) Sh. Mohammad Kasim, Junior b Engineer, Electricity Department, Lakshadweep.

Respondent No.4

- a) Sh. Shailesh Naik Burye, Superintending Engineer, Electricity Department, Goa
- b) Sh. Sayish G.N. Shirodkar, Junior Engineer, Electricity Department, Goa
- c) Sh. Inian Sri Malan, Consultant, Electricity Department, Goa

Respondent No.5

- a) Sh. Chetan Bundela, Executive Director, (DNHDDPDCL)
- b) Smt. Luna Pal, General Manager, (DNHDDPDCL)

Respondent No.6

- a) Sh. Daleep Kumar, Executive Engineer, (EWEDC)

## ORDER

The Commission convened a Suo Moto Hearing on the status of metering on November 6, 2023, for the Electricity Department (ED) of Andaman & Nicobar Islands, ED of Puducherry and (ED) of Lakshadweep. Additionally, a hearing was held on November 7, 2023, for the ED of Goa, DNHDDPDCL, and (ED) of Chandigarh.

The purpose of these hearings was to assess the status of consumer metering as per Regulations 6 and 7 of the Joint Electricity Regulatory Commission (Electricity Supply Code) Regulations, 2018, and subsequent amendments. Specifically, the hearing is aimed to ascertain and record the progress made by the respective DISCOM/EDs in FY2022-23 toward:

- Replacement of Mechanical and Defective Electronic Meters.
- Provision of meters for unmetered connections.
- Action plan for meter replacement and compliance in FY 2023-24.

The Commission received comprehensive information from all licensees for FY 2022-23, including their action plans for FY 2023-24 regarding metering compliance. This information has been duly reviewed and documented by the Commission for further proceedings.

### **1. ELECTRICITY DEPARTMENT ANDAMAN & NICOBAR ISLANDS: RESPONDENT NO.1**

Summary of Respondent No. 1's Submission and Status of Consumer Metering for FY 2022-23:

#### **1.1 Actual Achievement for FY 2022-23:**

##### **1.1.1 Planned Meter Replacements:**

- a. Total planned replacements: 25,227
- b. Mechanical Meters: 15,044
- c. Defective Electronic Meters: 10,183
- d. No unmetered consumers reported

##### **1.1.2 Status of Replacement for FY 2022-23:**

- i. **Commitments vs. Achievements:**
  - a. Total meters committed for replacement: 25,227
  - b. Mechanical Meters replaced: 5,849 (39%)
  - c. Defective Electronic Meters replaced: 4,222 (42%)
  - d. Achievement percentage: 10071 (40%)
- ii. **Shortfall/ balance Meters to be replaced:**
  - a. Mechanical Meters: 9,195 (61%)
  - b. Defective Electronic Meters: 5,961 (58%)
- iii. **New Connection Meters:**
  - a. Meters Committed: 4,304
  - b. Actual Meters achieved: 5,489
  - c. Additional connections in progress: 951
- iv. **Over-achievement:**
  - a. No shortfall for new connections due to exceeding targets in FY 2022-23.

**1.2 Action Plan for FY 2023-24:**

**1.2.1 Total Consumers and Meter Targets:**

- i. Total consumers estimated as 1,43,571 as per FY 2023-24 Tariff Order.
- ii. Total target for replacement of meters for FY 2023-24 (including backlog) are:
  - a. Mechanical Meters: 9,195
  - b. Defective Electronic Meters: 8,487
  - c. New connection meters: 5,048

**1.2.2 Status of Compliance for FY 2023-24:**

- i. Commitment for meter replacements:
  - a. Mechanical Meters: 2,163
  - b. Defective Electronic Meters: 2,277
  - c. New connection meters: 4,338
- ii. Actual replacements and new connections made in first Quarter (April-23 to June-23) of FY 2023-24:
  - a. Mechanical Meters Replaced: 84
  - b. Defective Electronic Meters replaced: 191
  - c. New connections provided: 1,171
- iii. Status of Compliance for FY 2023-24 for Feeder and Substation meters:
  - a. Feeder Meters
    - 33 kV Feeders: Out of 15 Feeders 14 Feeders have been provided with meter. Balance 1 Feeder shall be provided with meter immediately
    - 11 kV Feeders: Out of 49 Feeders 34 Feeders have been provided with meter. However, 1 Feeder is with electromechanical meter. All 16 Feeders shall be provided with meter immediately
    - 415 V (LT) Feeder: Out of 10 feeders only 3 have been provided with meters. Balance 7 feeders shall be provided with meter immediately.
  - b. Substation (Transformer) Meters
    - 33/11kV Transformer: Out of 18 Transformers only 8 have been provided with meter. The balance 10 Transformers shall be provided with meters immediately.
    - 33/0.4145kV Transformers: Out of 219 Transformers only 95 have been provided with meters. Out of these 95 only 60 meters are working. 124 Transformer should be provided with meters and 35 Defective Electronic Meters to be replaced within this FY 2023-24.
    - 11/0.415kV Transformers. There are 858 Distribution Transformers and only 359 have been provided with meters but only 306 meters are in working condition. 53 defective meters and 499 Transformers to be provided with meters.

The detailed month-wise action plan is as under:

DETAILED MONTH WISE ACTION PLAN FOR FY 2023-24 (Nos.)						
Month	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 meters and smart meters to be installed
<b>Total Meters remaining to be replaced in FY-2023-24</b>	9195	8487	0	17682	5048	0

Apr-23	4	99	0	103	339	0
May-23	60	49	0	109	385	0
Jun-23	20	43	0	63	447	0
Jul-23	233	253	0	486	339	0
Aug-23	243	224	0	467	406	0
Sep-23	229	218	0	447	349	0
Oct-23	243	228	0	471	345	0
Nov-23	222	237	0	459	385	0
Dec-23	219	223	0	442	253	0
Jan-24	243	259	0	502	283	0
Feb-24	218	220	0	438	422	0
Mar-24	229	224	0	453	385	0
<b>Total meters replaced in FY 2023-24</b>	2163	2277	0	4440	4338	0
<b>Total meters remaining to be replaced in FY 2024-25</b>	7032	6210	0	13242	710	0

The actual replacement of mechanical and Defective Electronic Meters fell far short of the commitments made. Even after the current FY, Respondent has no action plan to complete the committed targets target as they have projected that they will be able to replace only 2163 mechanical and 2277 Defective Electronic Meters by the end of 2023-24.

The Commission observed that EDA&N has not made its action plan to complete 100% replacement of Mechanical Meters left by the end of FY 2023-24. As projected by Respondent No.1 they will be left with 7032 electro Mechanical Meters and 6210 Defective Electronic Meters for replacement. Besides this, there will be more addition to the list of Defective Electronic Meters during the current FY.

On query raised by the Commission, Respondent 1 submitted that the DPR for procurement of Smart meters under RDSS scheme has been approved by the Ministry of Power the procurement process for the same is under process. The status is as under:

- i. Tender for PMA – Tender floated on 20-10-2023.
- ii. Smart Meter- Procurement of 84,835 prepaid meters approved by SFC for Rs. 53.26 Cr. Tender to be floated by end of November 2023.
- iii. Loss reduction (455.16 Cr.)-RFP document is under scrutiny and approval of competent authority. Subsequently, EFC approval shall be processed.
- iv. Tender for 5,500 static meters scheduled for opening by 04-01-2024.

The Respondent No 1 has further submitted that replacement of electro-Mechanical Meters is deferred due to pending procurement of prepaid smart meters under RDSS Scheme.

### 1.3 Commission's Directives:

- i. Replacement of Defective Meters: Commission directs Respondent to replace all defective electronic and Mechanical Meters on priority and submit energy audit reports from certified energy auditor from 1st April, 2024 on top priority.
- ii. Respondent to provide firm action plan on above directives on affidavit within 30 days.
- iii. Metering of Feeders and Substations: Commission observed that all feeders (33kV, 11kV & LT) and Transformers (33/11kV, 33/0.415kV & 11/0.415kV) at Substations are not metered. Respondent is directed to submit action plan within 30 days for meter installation at all feeders and transformers by end of FY 2023-24 so that energy audit should be timely submitted from 1st April, 2024. The plan for energy meter reading of all Feeders and substations should also be submitted along with action plan for meter installation and replacement.
- iv. A monthly report in respect of progress on installation/replacement of meters be submitted for the month within first week of every month.

## 2. ELECTRICITY DEPARTMENT PUDUCHERRY: RESPONDENT NO.2

Summary of Respondent No. 2's Submission and Status of Consumer Metering for FY 2022-23:

**2.1 Actual Achievement for FY 2022-23:** The Electricity Department, Puducherry, submitted that the total number of consumers in the UT was 5,10,523 as per the Tariff Order of FY 2022-23. The planned replacement of meters was 21,942, including 5,790 Mechanical Meters, 8,018 Defective Electronic Meters, and addressing 8,134 unmetered consumers. However, the actual number of meters replaced was 3,626, with 2,096 Mechanical Meters and 1,530 Defective Electronic Meters.

### 2.1.2 Planned Meter Replacements:

- i. Total planned replacements: 21,942
  - a. Mechanical Meters: 5790
  - b. Defective Electronic Meters: 8016
  - c. Unmetered consumers reported 8134

### 1.1.2 Status of Replacement for FY 2022-23:

- i. Commitments vs. Achievements:
  - a. Total meters committed for replacement: 21942
  - b. Mechanical Meters replaced: 2096 (36%)
  - c. Defective Electronic Meters replaced: 1530 (19%)
  - d. No Unmetered connection was metered
  - e. Achievement percentage: 3626 (26%)
- ii. Shortfall/ balance meter to be replaced:
  - a. Mechanical Meters: 3694 (64%)
  - b. Defective Electronic Meters: 6488 (81%)
  - c. Unmetered connection 8134
- iii. New Connection Meters:
  - a. Meters committed: nil
  - b. Actual meters achieved: 12545
  - c. No unmetered connection resolved

### Commission's Observations:

- i. Despite clear mandates of the Electricity Act 2003, there remain a substantial number of unmetered consumers. The Commission took a serious view on this and directs the Respondent to meter all unmetered connections on top priority.
- ii. The actual replacement of mechanical and Defective Electronic Meters fell far short of the commitments made.
- iii. The department released 12,545 meters for new connections in FY 2022-23.

**1.1 Action Plan for FY 2023-24:** The Electricity Department, Puducherry, submitted an action plan for FY 2023-24, estimating the total number of consumers to be 5,23,302. No additional meters are proposed for replacement, but only to clear the existing backlog. A total of 11,882 meters are proposed for new connections.

#### 2.2.1 Status of Compliance for FY 2023-24:

- i. Total target meters for replacement: 3,694 Mechanical Meters and 6,488 Defective Electronic Meters.
- ii. All 8,134 unmetered consumers are planned to be provided with meters.
- iii. 2,432 new connections provided in the first quarter (April 2023-June 2023).
- iv. An action plan was submitted in compliance with the Commission's direction.

2.2.2 Centrally Sponsored Revamped Distribution Sector Scheme (RDSS): Around 4.06 lakhs of consumer meters will be replaced with prepaid smart meters under the RDSS. Necessary approvals and tenders are being finalized for the implementation of this scheme.

### 2.3 Commission's Directives:

- i. Complete the replacement of defective meters and metering of unmetered connections within 90 days of issuance of the order.
- ii. Submit a detailed action plan towards compliance within 30 days.

#### 2.2.3 Status of Compliance for FY 2023-24 for Feeder and Substation meters:

##### a. Feeder Meters

- The Energy meters are installed on all Feeder Meters, but not on all Transformers.

##### b. Substation (Transformer) Meters

- 110/11kV Transformer: Out of 11 Transformers only 2 have been provided with meter. The balance 9 Transformers shall be provided with meters immediately.
- 110/22kV Transformer: Out of 29 Transformers only 7 have been provided with meter. The balance 22 Transformers shall be provided with meters immediately.
- 33/0.415kV & 22/0.415 Transformer: Out of 2418 Transformers only 1963 have been provided with meter. The balance 455 Transformers shall be provided within this FY.
- 11/0.415kV Transformers. There are 834 Distribution Transformers and only 512 have been provided with meters but only 407 meters are in working condition. 105 defective meters and 322 Transformers to be provided with meters.

The Commission directs Respondent No. 2 to replace defective/non-working energy meters at all such transformers by the end of FY 2023-24 and timely submit energy audits from 01.04.2024 on top priority. The plan for energy meter reading of all Feeders and substations shall also be submitted along with action plan for meter installation and replacement.

A monthly report in respect of progress on installation/replacement of meters be submitted for the month within first week of every month.

### **3. ELECTRICITY DEPARTMENT LAKSHADWEEP: RESPONDENT NO.3**

Summary of Respondent No. 3's Submission and Status of Consumer Metering for FY 2022-23:

#### **3.1 Actual Achievement for FY 2022-23:**

The Electricity Department, Lakshadweep, reported that the total number of consumers in the UT was 26,150 as per the Tariff Order of FY 2022-23. Respondent No. 3 affirmed full compliance for FY 2022-23.

#### **3.1.2 Status of Replacement of Consumer Metering for FY 2023-24:**

i. Total target meters for replacement in FY 2023-24: 998 Defective Electronic Meters

a. Meters proposed for new connections: 900.

ii. Achievements:

a. Defective Electronic Meters replaced: 312.

b. New connections provided: 595 in the first Quarter (April-23 to June-23).

#### **3.1 Action Plan:**

Respondent No. 3 submitted an action plan indicating the commitment to replace Defective Electronic Meters and provide new connections as per the tabulated above.

#### **3.2 Commission's Appreciation and Directive:**

The Commission appreciates the efforts of Respondent No. 3 and expects them to maintain the same progress in the future to replace all defective electronic and Mechanical Meters as per the action plan provided.

#### **3.3 Commission's Observations and Directive Regarding Feeder and Transformer Metering:**

- i. Although all feeders are metered, metering for all transformers is lacking.
- ii. The total number of working meters at Distribution Transformers (DTs) is unidentified.
- iii. Respondent No. 3 is directed to submit a detailed plan for the installation of working energy meters at all DTs within 30 days of the issuance of this order.
- iv. A monthly report in respect of progress on installation/replacement of meters be submitted for the month within first week of every month.

### **4. ELECTRICITY DEPARTMENT GOA: RESPONDENT NO.4**

Summary of Respondent No. 4's Submission and Status of Consumer Metering for FY 2022-23:

#### **4.2 Actual Achievement for FY 2022-23:**

The Electricity Department, Goa, reported that the total number of consumers in Goa was 7,21,405 as per the Tariff Order of FY 2022-23. The planned replacements included 53,680 meters, consisting of 12,444 Mechanical Meters, 41,188 Defective Electronic Meters, and 48 unmetered connections. Additionally, 19,109 new connections were committed. However, the actual replacements were 33,332 meters, including 15,403 Mechanical Meters, 17,881 Defective Electronic Meters, and 48 unmetered connections. Furthermore, 20,374 new connections were provided to consumers.

#### **4.1.2 Planned Meter Replacements for FY 2022-23:**

- i. Total planned replacements: 53,680
  - a. Mechanical Meters: 12,444
  - b. Defective Electronic Meters: 41,188
  - c. Unmetered consumers reported 48

#### 4.1.1 Status of Replacement:

- i. Commitments vs. Achievements:
  - a. Total meters replaced: 33,332 (62%)
  - b. Mechanical Meters replaced: 15,403 (124%)
  - c. Defective Electronic Meters replaced: 17,881 (43%)
  - d. Unmetered connection resolved: 48 (100%)
- ii. Shortfall/balanced meters to be replaced:
  - a. Mechanical Meters: When there were 12,444 Electro Mechanical Meters to be replaced then how it is possible to replace 15,403 Electro Mechanical Meters.
  - b. Defective Electronic Meters: 6488 (81%)
  - c. Unmetered connection NIL
- iii. New Connection Meters:
  - a. Meters committed: 19109
  - b. Actual meters achieved: 12545

#### 4.2 Action Plan for FY 2023-24:

For FY 2023-24, the Electricity Department, Goa, estimated the total number of consumers to be 7,24,872. The planned replacements are 85,311 meters, including 61,957 Mechanical Meters and 23,354 Defective Electronic Meters. Additionally, provision has been made for 13,290 meters for new connections.

##### 4.2.1 Planned Meter Replacements FY 2022-23

- i. Total planned replacements: 85,311
  - a. Mechanical Meters: 61,957 There were 12,444 Mechanical Meters at the beginning of 2022-23 and 15,403 meters have been replaced in 2022-23. This means that there was no pending mechanical meter at the end of 2022-23 however, the report has projected another 61,957 Mechanical Meters.
  - b. Defective Electronic Meters: 23,354
  - c. New connection: 13,290
- ii. Status of Compliance for FY 2023-24 for Feeder and Substation meters:
  - a. Feeder Meters:
    - 11/0.415kV Transformers. There are 8057 Distribution Transformers and all of them are provided with meters but 6756 meters are working and 1301 meters are defective.
    - Huge number of defective meters (Consumer meter and DT meter) raises quality concern on the type of meter being procured by E.D Goa. A detailed prudence checks on the quality be conducted and report submitted.
    - The Electricity Department, Goa, submitted an action plan indicating the commitment to replace meters as per the details tabulated below.



- A plan for replacement of non-working Mechanical Meters and Defective Electronic Meters with electronic meters by March 2024 was submitted, with a target to subsequently replace all meters with pre-paid smart meters.

#### 4.3 Status of Compliance for FY 2023-24:

<b>DETAILED MONTH WISE ACTION PLAN FOR FY 2023-24 (Nos)</b>						
<b>Months</b>	<b>Mechanical Meters (1)</b>	<b>Defective Electronic Meters (2)</b>	<b>Unmetered Consumers (3)</b>	<b>Total Meters to be replaced (1)+(2)+(3)=(4)</b>	<b>Meter for new connections (5)</b>	<b>No of Prepaid metering and smart metering to be installed</b>
<b>Total Meters to be replaced in FY 2023-24</b>	61957	23354	0	85311	NA	0
<b>23-Apr</b>	3200	1000	0	4200	1220	0
<b>23-May</b>	3600	910	0	4510	1300	0
<b>23-Jun</b>	4300	1190	0	5490	800	0
<b>23-Jul</b>	5900	2000	0	7900	900	0
<b>23-Aug</b>	5000	2400	0	7400	750	0
<b>23-Sep</b>	6000	1800	0	7800	1200	0
<b>23-Oct</b>	5700	2500	0	8200	1500	0
<b>23-Nov</b>	5900	2300	0	8200	1100	0
<b>23-Dec</b>	5400	2100	0	7500	850	0
<b>24-Jan</b>	5300	2500	0	7800	1270	0
<b>24-Feb</b>	5800	2200	0	8000	1000	0
<b>24-Mar</b>	5857	2454	0	8311	1400	0
<b>Total meters to be replaced in FY 2023-24</b>	61957	23354	0	85311	13290	0

<b>Total Meters remaining to be Replaced as on March 2024</b>	0	0	0	0	0	0
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**4.4 Commission's Observations and Directives:**

- The Commission noted discrepancies in the reported data, particularly regarding the number of Mechanical Meters installed and replaced.
- Concerns were raised about non-working energy meters installed on 11/0.415kV Transformers.
- Respondent No. 4 is directed to submit correct data on the number of Mechanical Meters installed in consumer premises and provide a detailed action plan for their timely replacement, along with a plan for replacement of non-working meters at DTs.
- A monthly ATR on installation/replacement of meters be submitted within first week of next month.
- The plan for energy meter reading of all Feeders and substations shall also be submitted along with action plan for meter installation and replacement.
- A monthly report in respect of progress on installation/replacement of meters be submitted for the month within first week of every month.

**5. ELECTRICITY DEPARTMENT DADRA & NAGAR HAVELI AND DAMAN & DIU POWER DISTRIBUTION CORPORATION Ltd (DNHDDPDCL): RESPONDENT NO.5**

Summary of Respondent No. 5's submission and Status of Consumer Metering for FY 2022-23:

**5.1 Actual Achievement for FY 2022-23:**

The Dadra & Nagar Haveli and Daman & Diu Power Distribution Corporation Ltd. (DNHDDPDCL) reported that the total number of consumers in the UT was 160,707 as per the Tariff Order FY 2022-23. As per the previous Suo Moto Order, *14,429 meters were anticipated* to be replaced, including 1,341 Mechanical Meters and 13088 Defective Electronic Meters. No unmetered consumers were reported. However, the actual meters replaced were 4,668, including 94 Mechanical Meters and 4,574 Defective Electronic Meters. Additionally, 4,696 meters were committed to be installed in new connections, and 5,125 new connections were provided with the installation of meters.

**5.1.1 Planned Meter Replacements:**

- i. Total planned replacements: 14,429
  - a. Mechanical Meters: 1341
  - b. Defective Electronic Meters: 13088
  - c. Unmetered consumers reported NIL

### 5.1.2 Status of Replacement of Consumer Metering for FY 2022-23:

- i. Commitments vs. Achievements:
    - a. Total meters replaced: 4668 (32%)
    - b. Mechanical Meters replaced: 94 (7%)
    - c. Defective Electronic Meters replaced: 4574 (35%)
  - ii. Shortfall/ balance Meters to be replaced:
    - a. Mechanical Meters: NIL
    - b. Defective Electronic Meters: NIL
  - iii. New Connection Meters:
    - a. Meters committed: 4696
    - b. Actual meters achieved: 5125 (110%)
- iii. A total of 14,429 meters were anticipated to be replaced for FY 2022-23, but only 4,668 meters were replaced within the timeline. Respondent No. 5 clarified that no Mechanical Meters or Defective Electronic Meters are left for replacement.

### 5.2 Action Plan for FY 2023-24:

For FY 2023-24, DNHDDPDCL estimated the total number of consumers to be 172,395. The number of meters to be replaced is 4,815, including 2,455 Mechanical Meters and 2,360 Defective Electronic Meters. No unmetered consumers were reported. Meters estimated for new connections are 7,144. In compliance with the Commission's directions, DNHDDPDCL submitted the action plan, indicating the commitment to replace meters as per the tabulated above.

#### 5.2.1 Planned Meter Replacements:

- i. Total planned replacements: 4815
  - a. Mechanical Meters: 2455
  - b. Defective Electronic Meters: 2360
  - c. New connection 7144

#### 5.2.2 Status of Replacement for FY 2023-24:

- i. Commitments vs. Achievements:
  - a. Total meters replaced: 706 till Q1
  - b. Mechanical Meters replaced: 318 (7%)
  - c. Defective Electronic Meters replaced: 388 (35%)
- ii. Shortfall/ balanced meters to be replaced:
  - a. Mechanical Meters: 1966
  - b. Defective Electronic Meters: 413
- iii. New Connection Meters:
  - a. Meters committed: 7144
  - b. Actual meters achieved: 1645

In 2022-23 Respondent No 5 has clarified that no mechanical meter or defective electronic meter is pending for replacement at the end of FY 2022-23. Now in 2023-24 Respondent has submitted that 2455 electromechanical and 2360 Defective Electronic Meters are pending for replacement. There is a discrepancy has raised doubt on the data submitted by the Respondent No 5.

During FY 2023-24, DNHDDPDCL evaluated the technology as per the CEA Notification and proposed the implementation of smart metering in a phased manner for FY 2024-25. The details are as follows:

Particulars	FY 2024-25 (Nos)
Single Phase Meters	32,929
Three Phase Meters	38,000
LT CT Operated Meters	235
LT CT Operated Meters with CT Replacement	250
HT Meters	50
Feeder Meters	260
Total	71,724

### 5.2.3 Status of Feeder Meters and Substation Meters:

Respondent No. 5 is directed to install meters on two un-metered 11kV feeders by the end of FY 2023-24 and timely submit energy audits from April 1, 2024,

#### Commission's Observations and Directives:

The Commission has noted the discrepancy in the reported data concerning meter replacements. Despite the apparent completion of replacements for 4,669 meters (comprising 94 electromechanical and 4,574 Defective Electronic Meters), the sudden inclusion of 4,815 meters (2,455 mechanical and 2,360 Defective Electronic Meters) for replacement in FY 2023-24 is not understood. This inconsistency raises concerns on the reliability and accuracy of the report submitted by DNHDDPDCL and suggests a lack of thoroughness in the survey conducted.

In view of the erroneous reporting, the Commission directs Respondent No. 5 to provide, under affidavit, the precise and updated data regarding the number of mechanical and Defective Electronic Meters still to be replaced. Additionally, a comprehensive action plan be submitted outlining the process and timeline for the timely replacement of these meters with static meters.

Furthermore, Respondent No. 5 is directed to expedite the installation of meters on two un-metered 11kV feeders by the conclusion of FY 2023-24. Additionally, timely submit energy audit reports from certified energy auditor from 1st April, 2024 to ensure compliance with regulatory standards and effective energy management. The plan for energy meter reading of all Feeders and substations shall also be submitted along with action plan for meter installation and replacement. A monthly report in respect of progress on installation/replacement of meters be submitted for the month within first week of every month.

## 6. ELECTRICITY DEPARTMENT CHANDIGARH: RESPONDENT NO.6

Summary of Respondent No. 6's Submission and Status of Consumer Metering for FY 2022-23:

### 6.1 Actual Achievement for FY 2022-23:

The Respondent No. 6 reported a total of 2,36,654 consumers in the UT according to the Tariff Order of FY 2022-23. The planned replacement of Defective Electronic Meters was 4,531, whereas the actual meters replaced amounted to 7,430. Additionally, 2,604 new connections were provided to consumers. Notably, there were no unmetered consumers in ED-Chandigarh.

### Status of Replacement of Consumer Metering for FY 2022-23:

ED-CHANDIGARH (FY 2022-23)

Particulars	Commitment	Actual Achievement
Mechanical Meters to be replaced	NIL	NIL
Defective Electronic Meters to be replaced	4,531	7430
Unmetered Connection to be metered	NIL	NIL
Meter for new connection	NIL	2604

The Commission noted that Respondent No. 6 successfully met its targets as per the previous order for FY 2022-23.

#### 6.2 Action Plan for FY 2023-24:

For FY 2023-24, Respondent No. 6 estimated the total number of consumers to be 2, 39,821 for Chandigarh as per the Tariff Order. The number of meters to be replaced is 376 Defective Electronic Meters, considered as backlog from the previous year. There are no unmetered consumers, and meters estimated for new connections are 1,220. In compliance with commitments, Respondent No. 6 replaced 3,952 Defective Electronic Meters and provided 1,561 new connections to consumers in the first and second quarters.

##### 6.2.1 Status of Compliance for FY 2023-24:

ED-CHANDIGARH ACTION PLAN (FY 2023-24)

Particulars	Commitment	Target
Defective Electronic Meters to be replaced	376	1645
Unmetered Connections to be metered	NIL	NIL
Meter for new connection	1,220	816
Mechanical Meters to be replaced	NIL	NIL
Meters to be Installed or replaced in FY 2023-24 (including backlog of previous year)	3952	

In compliance with the Commission's directive to submit an action plan, Respondent No. 6 provided a detailed plan to replace meters as per the commitment mentioned above. Additionally, Respondent No. 6 reported approximately 24,230 smart meters installed as of the current date.

##### 6.2.2 Status of Feeder Meters and Substation Meters:

The Commission noted that all consumers are metered with working meters, but feeders and transformers remain un-metered.

Feeder Meters				
Voltage level of Feeder (kV)	Total number of Feeder	No. of Feeders on which energy meters are installed	No of Working Energy Meter	Type of meter
220 kV	2	2	2	Electronic Meters
66 kV	37	8	8	Electronic Meters
33 kV	7	4	4	Electronic Meters
11 kV	281	266	266	Electronic Meters
LT (415V)	3159	186	186	Electronic Meters

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
11/0.415kv	2387	536	536	Electronic Meters
33/11 kV	12	12	12	Electronic Meters
66/11 kV	35	14	14	Electronic Meters
220/66 kV	3	3	3	

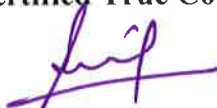
Therefore, Respondent No. 6 is directed to submit an action plan within 30 days to install working meters at all feeders and transformers promptly. Additionally, Respondent No. 6 is instructed to timely submit Energy Audit from April 1, 2024, onwards.

**Ordered Accordingly.**

Sd/-  
(Jyoti Prasad)  
Member (Law)

Sd/-  
(Alok Tandon)  
Chairperson

**Certified True Copy**

  
(S.D Sharma)  
Secretary (I/c)