

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

Quorum  
Shri M.K. Goel, Chairperson  
Smt. Neerja Mathur, Member

**Suo Moto Petition No. 77/2012  
Date of Hearing 27.05.2019  
Date of Order: 25.07.2019**

**In the matter of:**

Status of Consumer Metering and Billing (category wise) upto FY 2018-19 as per Regulation 6 & 7 of the Joint Electricity Regulatory Commission (Electricity Supply Code) Regulations, 2018.

**And in the matter of:**

- 1) Secretary (Power), Government of Goa
- 2) Secretary (Power), UT of Andaman & Nicobar
- 3) Secretary (Power), UT of Chandigarh
- 4) Managing Director, DNHPDCL
- 5) Secretary (Power), UT of Daman & Diu
- 6) Secretary (Power), UT of Lakshadweep
- 7) Secretary (Power), UT of Puducherry

..... Respondents

**Present**

**For the Respondent**

1. Shri Damodar R. Naik, Asstt. Engineer, Electricity Department, Goa
2. Shri Vinod Kavleker, Executive Engineer, Electricity Department, Goa
3. Shri Siddhartha Rama Kanth . K, Consultant, Electricity Department, Goa
4. Shri B.Ajit Kumar, Executive Engineer, Electricity Department, Andaman & Nicobar
5. Shri U.K. Patel, Asstt. Executive Engineer, Electricity Department, Chandigarh
6. Shri Sandhya Dilip, Asstt. Engineer, Electricity Department, DNHPDCL
7. Shri M.R. Ingle, Executive Engineer, Electricity Department, Daman
8. Shri Dilesh Solanki, Asstt. Engineer, Electricity Department, Daman
9. Shri Dharwesh Khan, Asstt. Engineer, Electricity Department, Lakshadweep
10. Shri R. Murali, Superintending Engineer, Electricity Department, Puducherry

**ORDER**

The Commission has been conducting suo-moto hearings in the matter of compliance of the Metering & Billing status. In continuation to the stated suo-moto proceedings, the present hearing was held to cover the period of compliance of Metering & Billing status up to the FY 2018-19.

*Deemed*

The Commission has received detailed information along with action plan for the FY 2019-20 regarding compliance of the Billing & Metering status on affidavit from Respondent No. 1, 3 & 6. The same has been taken on record.

**1. Electricity Department, Goa: Respondent No. 1**

The Commission considered the Status Report submitted by the Respondent No. 1 and noted that there are 6,42,014 consumers out of which 4,90,222 consumers have electronic meters and 1,51,226 consumers have mechanical meters. Further 1,88,860 new meters are required to replace which includes 1,51,226 mechanical meters and 37,068 defective /non working electronic meters. There are 566 unmetered consumers as on 31.03.2019.

The Respondent No. 1 has submitted that they have tendered for 2,19,071 electronic meters under DDUGJY (94,187 nos) and IPDS (1,24,884 Nos.) Schemes to replace the above mentioned mechanical and defective electronic meters by the end of Nov., 2019. Further, 1,17,401 Nos. meters have already been replaced.

The Respondent No. 1 also submitted that their monthly action plan for replacement of above mentioned meters is as under:-

- June 2019: 17,800 Meters
- July 2019: 17,800 Meters
- August 2019: 17,800 Meters
- Sept., 2019 : 16,000 Meters
- Oct., 2019 : 16,000 Meters
- Nov., 2019 : 16270 Meters
- Remaining meters would be replaced before the end of Nov., 2019.

The Commission directs that the unmetered consumers be metered as first priority. The Commission directs that replacement of all defective / non working electronic and Mechanical meters be ensured by 30.11.2019.

**2. Electricity Department, Andaman and Nicobar Island: Respondent No. 2**

The Respondent No. 2 has submitted that total numbers of consumers within its area are 1,35,449 out of which 29,338 consumers have mechanical meters and 1,06,111 consumers have electronic meters and all consumers are metered. The number of meters to be replaced are 41,437 which includes 29,338 mechanical meters and 12,099 defective electronic meters.



In compliance to the Commission's direction the Respondent No. 2 has submitted the action plan as under:-

1. A Proposal is under consideration for purchase of Smart Meters through M/s EESL for supply, installation, commissioning and O & M of approximately 1.11 Lakh Smart meters, the total cost of which shall be partly borne by the Electricity Department under CAPEX Model and the balance cost shall be met by EESL through OPEX Model.

M/s EESL has submitted a draft Agreement and a draft MoU for execution of the project.

The proposed smart meters to be provided by M/s EESL with a GPRS based technology. This is beneficial only after the availability of reliable communication network. The cost benefit analysis is under process. The technology offered is also under consideration as all meters may not be located in areas with reliable, round the clock connectivity.

2. An alternate for Smart Meter Provided by M/s EESL is also under consideration. The model for meters adopted by Telangana State Southern Power Distribution Company Limited (TSSPDCL) is currently under scrutiny. As per information provided by the representative, TSSPDCL is using an IR & IRDA meters which have helped them to achieve 100% collection efficiency. The cost of IRDA single phase meter is Rs. 650 and 3 phase meter is Rs. 2100.
3. **Procurement of meters under IPDS and DDUGJY scheme:** As submitted in previous Petition, DPRs for the IPDS and DDUGJY has been approved by the monitoring committee of the Ministry of Power (MOP). Under this scheme 15410 meters in IPDS and 21053 meters in DDUGJY are proposed to be proposed to be procured. The Ministry of Power has entrusted NTPC to execute this project. However, Respondent No. 2 is exploring to utilize the funds available for the meters under DDUGJY/ IPDS for purchase of Smart Meters from M/s EESL or IRDA meters whichever technology is feasible.
4. The Divisional offices have been directed to purchase small consignment of energy meters as per their requirement in accordance to their financial power.

The Commission hereby directs the Respondent No. 2 to submit Agreement of purchase of Smart Meters to the Commission as soon as it is signed. The Commission further directs the Respondent No. 2 to submit the action plan month wise & status for replacement of defective electronic and mechanical meters.



### 3. Electricity Department, Chandigarh : Respondent No. 3

The Respondent No. 3 has submitted that total number of consumers are 2,24,313 out of which 2,23,276 consumers have electronic meters and 927 consumers have mechanical meters and all consumers are metered. The total number of meters to be replaced is 4,834 which include 3,907 defective electronic meters and 927 mechanical meters.

In compliance with the Commission's direction, the Respondent No. 3 submitted the action plan as under:-

1.	<b>Single Phase Electronic Meters: -</b>	The principal approval to procure 12,500 No.s of Single Phase Electronic Meters has already been accorded and Tender/Bid has already been uploaded on GeM Portal by the concerned Executive Engineer. The energy meters will be issued to 'Operation' Sub Divisions for replacement of Mechanical/Electric Defective Energy Meters accordingly.
2.	<b>Three Phase Electronic Meters: -</b>	The financial approval to procure 4,500 No.s of Three Phase Electronic Meters has already been accorded. The energy meters will be issued to 'Operation' Sub Divisions for replacement of Mechanical/Electric Defective Energy Meters accordingly.
3.	<b>Smart meters</b>	<p><b><u>Smart Grid Pilot Project</u></b></p> <p>For Installation of 30,000 Smart Meters and its allied infrastructure under the area of SDO Electy. 'Operation' Sub Div No.5, UT., Chandigarh as already been allotted to M/s REC as deposit work. The M/s REC has further awarded the work of AMI and SCADA through tendering.</p> <p><b><u>Smart Grid Project of whole Chandigarh</u></b></p> <p>The DPR of Smart Grid for whole of Chandigarh for an amount of Rs. 241.00 Crores approx. has already been approved by the Empowered Committee of MOP, Govt. of India. The MOP has already been requested for according Administrative Approval and Expenditure Sanction by the Standing Financial Committee (SFC) of MOP being the competent authority.</p>



4.	<b>Other Planning</b>	CED has already issued instructions directing all Executive Engineers to replace defective/burnt / inaccurate meters within time allowed under Standard of Performance Regulations on Supply & Erection basis or through spot Purchase as per Delegation of Powers/ Rules/ Instructions in force, in case the meters are not available in the Department Store.
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The Commission observes that the Respondent No. 3 has not submitted any action plan along with time lime for replacement of defective electronic & mechanical meters. They are directed to submit the action plan & status within one month.

4. **DNH Power Distribution Corporation Limited, Respondent No. 4**

The Respondent No. 4 has submitted that the total number of consumers within its area are 77,240 out of which 2,541 consumers have mechanical meters, 74,699 consumers have electronic meters and all the consumers are metered. The number of meters to be replaced are 5,651 out of which 3,110 are defective electronic meters and 2,541 are mechanical meters.

The Respondent No. 4 further submitted that they have provided 100% meters to all consumers including all Industrial consumers and also provided electronic meters to all EHT,,HT and LT consumers. Further, they have executed an agreement with M/s HDFC Bank and M/s Bill Desk for providing online payment facility to all consumers for achieving better collection efficiency from July, 2019.

The Respondent No. 4 has submitted the following action plan:-

SNo.	Total meters to be replaced	Action plan for procurement & replacement of meters
1	112	By 31/10/2019
2	2541	By 30/11/2019 *
3	2539	By 30/11/2019 *
4	344	By 30/09/2019
5	0	
6	1	Already replaced
7	0	
8	0	
9	34	By 31/07/2018
10	39	By 31/10/2019
11	0	
12	0	
13	5	By 15/07/2019
14	0	

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15	0	
16	36	By 31/10/2019
17	5651	
<b>*Note: - Meter to be procured before 31/08/2019</b>		

The Commission directs the Respondent No. 4 to ensure replacement of all Mechanical & defective meters by Nov. 30, 2019.

**5. Electricity Department, Daman and Diu: Respondent No. 5**

The Respondent No. 5 has submitted that total number of consumers are 60,867 out of which 489 consumers have mechanical meters and 60,378 consumers have electronic meters and all the consumers are metered. The number of meters to be replaced is 751 which comprise 489 mechanical meters and 262 defective electronic meters.

In response to Commission's specific query that the data submitted by the Respondent No. 5 in its report dated 31.03.2019 in terms of number of consumers and total number of mechanical meters and electronic meters is incorrect. The Respondent No. 5 has resubmitted the reconciled data. In compliance with the Commission's directions to submit action plan within a week. The Respondent No. 5 has submitted that 489 number of household with domestic connections are closed for long time since the residents are out of country. The said meters would be replaced as and when these houses are found open. Further 262 electronic meters have no display therefore the said meters shall be replaced by end of June, 2019.

**6. Electricity Department, Lakshadweep: Respondent No. 6**

The Respondent No. 6 has submitted that total number of consumers within its area are 24,135. There are no consumers without meters and there are no defective meters at present. The Commission hereby directs the Respondent No. 6 to provide timely metering and billing status report in the prescribed format.

**7. Electricity Department, Puducherry: Respondent No. 7**

The Respondent No. 7 has submitted that total number of consumers within its area are 4,31,712 out of which 57,883 consumers have mechanical meters and 3,52,545 consumers have electronic meters and 21,284 consumers are still without meters. The number of meters to be replaced are 93,897 out of which 57,887 are mechanical meters and 14,730 are defective electronic meters and 21,284 meters would be provided to unmetered consumers.



In compliance with the direction of the Commission to submit action plan on affidavit. The Respondent No. 7 has submitted the action plan as under:-

S.No	Scheme	Already supplied/pr ocured	Timeline targeted to be achieved	To be supplied as per supply order	Timeline Target to be Achieved
1.	IPDS	35,000	To be Fixed by October'19	-	
2.	DDUGJY	26,000	To be Fixed by November'19	49,609 By July'19	To be Fixed by December'19
3.	Smart meter	5000	To be Fixed by October'19	-	

The Commission directs that unmetered consumers be metered on top priority. The month wise action plan and its status be submitted within one month.

Ordered accordingly.

Sd/-  
(NEERJA MATHUR)  
MEMBER

Sd/-  
(M.K.GOEL)  
CHAIRPERSON

**Certified Copy**

  
(Rakesh Kumar)  
Secretary

SECRETARY  
JOINT ELECTRICITY REGULATORY COMMISSION  
(For the State of Goa and Union Territories)