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

**Quorum**

Smt. Jyoti Prasad, Member (Law)

**Suo Moto Petition No. 61/2012**

**Date of Hearing: 29<sup>th</sup> & 30<sup>th</sup> November 2022**

**Date of Order:19/01/2023**

**In the matter of:**

Compliance of Joint Electricity Regulatory Commission (For the state of Goa and Union Territories) (Procurement of Renewable Energy) Regulations, 2010 regarding Renewable Purchase Obligation (RPO) and as amended from time to time.

**And in the matter of:**

- 1) Secretary (Power), UT of Andaman & Nicobar
- 2) Secretary (Power), UT of Puducherry
- 3) Secretary (Power), UT of Lakshadweep
- 4) Managing Director (DNHDDPDCL), UT of Dadra & Nagar Haveli and Daman & Diu
- 5) Secretary (Power), Government of Goa
- 6) Secretary (Power), UT of Chandigarh

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**Respondents Present.....****1. From A&N Islands**

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

**2. From Puducherry**

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

**3. From Lakshadweep**

Shri K.P Naseemudeen, Assistant Engineer, Electricity Department, Lakshadweep

**4. From DNHDD**

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

**5. From Goa**

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

**6. From Chandigarh**

- a) Shri Amit Kumar, Assistant Executive Engineer, Electricity Wing of Engineering Department, Chandigarh
- b) Shri U.K. Patel, Executive Engineer, Electricity Wing of Engineering Department, Chandigarh

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**Order**

The Commission has conducted the Suo Moto Hearing on 29<sup>th</sup> November 2022 (for Andaman & Nicobar, Puducherry, and Lakshadweep) & on 30<sup>th</sup> November 2022 (for Dadra & Nagar Haveli and Daman & Diu, Goa, and Chandigarh) in the matter of compliance of Joint Electricity Regulatory Commission (For the State of Goa and Union Territories) (Procurement of Renewable Energy) Regulations, 2010 regarding Renewable Purchase Obligation (RPO) as per Regulation 7 of JERC (Procurement of Renewable Energy) Regulations, 2010, and as amended from time to time. The Commission has received data on RPO compliance for FY 2021-22 from all the Union Territories/State within its jurisdiction along with the action plan for FY 2022-23.

The detailed information received from the respondents has been taken on record. Accordingly, the following figures as per the submissions made by the respondents have been examined.

**1. ELECTRICITY DEPARTMENT, U.T ANDAMAN & NICOBAR ISLANDS: Respondent No. 1**

The respondent submitted that for Non-Solar & HPO compliance, they have non-availability of sources like rivers, etc. to harness hydropower in the U.T. However, AHEC Roorkee conducted a study and feasibility of mini-hydro plants at five down streams / nallahs in South and Middle Andaman. Furthermore, the respondent has proposed 36 MW of wind power projects in the future. In terms of Solar RPO compliance, the respondent has proposed 123.25 MW of solar power projects and 316.2 MWH of Battery Energy Storage System (BESS). In the first phase, SECI will install 40 MW of solar power plant in the U.T. and it will take around three years to complete the entire process. The respondent has submitted that through the aforesaid commitments, the total RPO targets for FY 2022-23 can be met.

The Commission examined the report submitted by respondent no. 1 and has calculated the RPO targets based on the latest data of sales placed on record, which are summarized below:

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**CUMULATIVE COMPLIANCE TILL FY 2021-22 INCLUDING BACKLOG: ANDAMAN & NICOBAR ISLANDS**

RPO Obligation	Sales figure for FY 2021-22 in (MUs)  (Actual Sales)	RPO Target to be Met for FY 2021-22		Cumulative Backlog as on 31-03-2021	Cumulative Target for FY 2021-22 including backlog (till 31.03.2021)	Total RPO Met from various sources for FY 2021-22  (in MUs)				(Excess)/Shortfall
		3	4			7	8	9	(10=7+8+9)	
1	2	%	MU	MU	MU	Gen.	REC	PP	Total	MU
Solar	265.31	8.00%	21.22	0.00	21.22	0.00	0.00	21.02	21.02	0.20
Non-Solar		9.00%	23.88	16.35	40.23	13.15	0.00	0.00	13.15	27.08
<b>Total</b>		17.00%	45.10	16.35	61.45	13.15	0.00	21.02	34.17	27.28

The Commission observed that respondent no. 1 has not been able to meet the Solar and Non-Solar Targets for the FY 2021-22. Hence it has a cumulative shortfall of 27.28 MUs (0.20 MUs of Solar and 27.08 MUs for Non-Solar). The cumulative target for FY 2022-23 will further increase with the backlog, therefore the Commission directs the respondent no. 1 to make serious efforts to achieve 100% compliance including the backlog of 27.28 MUs (as on 31.03.2022) in the FY 2022-23.

Further, the action plan and actual achievement for FY 2022-23 submitted by respondent no. 1 are as tabulated below:

**ACTION PLAN FOR FY 2022-23: ANDAMAN & NICOBAR ISLANDS**

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RPO Obligation	Sales for FY 2022-23 in (MUs)	RPO Target to be Met for FY 2022-23		Cumulative Backlog as on 31-03-2022	Cumulative Target for FY 2022-23	First Quarter (April 2022- June 2022) in MUs - Actual			Second Quarter (July 2022- September 2022) in MUs -Actual			Third Quarter (October 2022- December 2022) in MUs - Tentative			Fourth Quarter (January 2023- March 2023) in MUs - Tentative			Total RPO Compliance for FY 2022-23
		3	4			5	7			8			9			10		
1	2	%	MU	MU	MU	Gen	RE C	PP	Gen	RE C	PP	Gen	RE C	PP	Gen	REC	PP	MU
Solar	277.19	9.00%	24.95	0.20	25.15	0.00	0.00	5.82	0.01	0.00	5.47	0.01	0.00	5.63	0.01	0.00	5.98	22.93
Non-Solar		9.00%	24.95	27.08	52.03	3.06	0.00	0.00	4.87	0.00	0.00	4.23	0.00	0.00	2.31	0.00	0.00	14.47
HPO		0.35%	0.97	0.00	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total</b>		<b>18.35%</b>	<b>50.86</b>	<b>27.28</b>	<b>78.15</b>	<b>3.06</b>	<b>0.00</b>	<b>5.82</b>	<b>4.88</b>	<b>0.00</b>	<b>5.47</b>	<b>4.24</b>	<b>0.00</b>	<b>5.63</b>	<b>2.32</b>	<b>0.00</b>	<b>5.98</b>	<b>37.40</b>

The Commission observed that even if the respondent is able to achieve the targets given in the action plan, it will still not be able to achieve the entire target for FY 2022-23 including the backlog from previous years, hence the Commission directs the respondent to make all-out efforts to meet the targets in the FY 2022-23 and also the backlog up to FY 2021-22 with the upcoming plants and commitments signed up by the respondent so that the respondent is able to comply RPO targets failing which the Commission shall be constraint to initiate appropriate legal action.

## 2. ELECTRICITY DEPARTMENT, U.T. PUDUCHERRY: Respondent No. 2

Respondent no. 2 submitted that they have signed Power Sale Agreements (PSA) for the purchase of 50 MW of solar Power and 140.64 MW of wind power from SECI for meeting the RPO obligation. However, due to the COVID-19 pandemic and the change in laws relating to sale of land in Gujarat where the 140.64 MW wind farm is to be established, the commissioning of these plants has been delayed. They also submitted that REC certificates were not available in the market to meet the RPO Compliance. They are expecting to receive 50MW of solar power and 140.64 MW of wind power from SECI during January 2023. The U.T. expects to receive about 2.5 MUs per day of RE power from the ISTS-connected RE Power Plant.

Respondent no. 2 further submitted that they have started receiving 100 MW of solar power from NTPC since May 2022 and 76.5 MW against the allocated 100 MW of wind power from M/s SECI, since August 2022. The remaining 23.5 MW of wind power from SECI is expected during January 2023. Around 1.3 MUs of RE Power is being received on a daily basis from ISTS-connected RE power plants.

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The respondent claimed that RPO compliance during the current year 2022-23 has increased manifold to the compliance during the previous year. They have anticipated that the RPO compliance during the next financial year 2023-24 would get doubled comparing the current year. The respondent has submitted that the cumulative backlog quantum of RPO for FY 2022-23 (1525 MUs) will be fulfilled in a phased manner over three years from FY 2023-24, with the excess quantum of RE power available from ISTS power plant over and above the respective year requirement.

The Commission examined the report submitted by respondent no. 2 and has calculated the RPO targets based on the latest data of sales placed on record, which are summarized below:

**CUMULATIVE COMPLIANCE TILL FY 2021-22 INCLUDING BACKLOG: PUDUCHERRY**

RPO Obligation	Sales figure for FY 2021-22 in (MUs)  (Actual Sales)	RPO Target to be Met for FY 2021-22		Cumulative Backlog as on 31-03-2021	Cumulative Target for FY 2021-22 including backlog (till 31.03.2021)	Total RPO Met from various sources for FY 2021-22  in MUs				(Excess)/Shortfall
		3	4			5	6=4+5	7	8	
1	2	%	MU	MU	MU	Gen.	REC	PP	Total	MU
Solar	2773.64	8.00%	221.89	453.08	674.97	38.79	0.00	0.00	38.79	636.18
Non-Solar		9.00%	249.63	538.63	788.26	0.00	0.00	0.00	0.00	788.26
<b>Total</b>		17.00%	471.52	991.71	1463.23	1463.23	38.79	0.00	0.00	38.79

The Commission observed that the standalone RPO target for FY 2021-22 was 471.52 MUs out of which only 38.79 MUs have been achieved. Further Non-Solar RPO compliance is NIL for FY 2021-22. Considering the backlog from previous years the cumulative shortfall at the end of FY 2021-22 is 1424.44 MUs.

The Commission is of the view that shortfall is huge and the respondent should expedite the process of purchasing physical power available as submitted to fulfil the RPO targets for FY 2022-23.

Further, the action plan for FY 2022-23 as submitted by respondent no. 2 is as tabulated below:

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**ACTION PLAN FOR FY 2022-23: PUDUCHERRY**

RPO Obligation	Sales for FY 2022-23 in (MUs)	RPO Target to be Met for FY 2022-23		Cumulative Backlog as on 31-03-2022	Cumulative Target for FY 2022-23	First Quarter (April 2022- June 2022) in MUs - Actual			Second Quarter (July 2022- September 2022) in MUs -Actual			Third Quarter (October 2022- December 2022) in MUs - Tentative			Fourth Quarter (January 2023- March 2023) in MUs - Tentative			Total RPO Compliance for FY 2022-23	
		3	4			5	6=4+5			7			8			9			10
	MU	%	MU	MU	MU	Gen	RE C	PP	Gen	RE C	PP	Gen	RE C	PP	Gen	RE C	PP	MU	
Solar	2826.36	9.00%	254.37	636.18	890.55	13.46	0.00	24.08	13.97	0.00	57.93	15.00	0.00	60.00	16.00	0.00	80.00	280.44	
Non-Solar		9.00%	254.37	788.26	1042.63	0.00	0.00	0.00	0.00	0.00	25.55	0.00	0.00	32.00	0.00	0.00	80.00	137.55	
HPO		0.35%	9.89	0.00	9.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total</b>			<b>18.35%</b>	<b>518.64</b>	<b>1424.44</b>	<b>1943.08</b>	<b>13.46</b>	<b>0.00</b>	<b>24.08</b>	<b>13.97</b>	<b>0.00</b>	<b>83.48</b>	<b>15.00</b>	<b>0.00</b>	<b>92.00</b>	<b>16.00</b>	<b>0.00</b>	<b>160.00</b>	<b>417.99</b>

The respondent has committed to fulfil RPO Compliance including backlog in next three years. The Commission is of the view that since the shortfall is huge, the respondent should expedite the process of purchasing physical power on top priority.

**3. ELECTRICITY DEPARTMENT, LAKSHADWEEP: Respondent No. 3**

The Commission examined the report submitted by respondent no. 3 and has calculated the RPO targets based on the latest data of sales placed on record, which are summarized below:

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**CUMULATIVE COMPLIANCE TILL FY 2021-22 INCLUDING BACKLOG: LAKSHADWEEP**

RPO Obligation	Sales figure for FY 2021-22 in (MUs)  (Actual Sales)	RPO Target to be Met for FY 2021-22		Cumulative Backlog as on 31-03-2021	Cumulative Target for FY 2021-22 including backlog (till 31.03.2021)	Total RPO Met from various sources for FY 2021-22  in MUs				(Excess)/Shortfall
		3	4			5	6=4+5	7	8	
1	2	%	MU	MU	MU	Gen.	REC	PP	Total	MU
Solar	55.01	8.00%	4.40	3.04	7.44	0.20	0.00	0.00	0.20	7.24
Non-Solar		9.00%	4.95	15.19	20.14	0.00	0.00	0.00	0.00	20.14
Total		17.00%	9.35	18.23	27.58	0.20	0.00	0.00	0.20	27.38

The Commission observed that respondent no. 3 has not been able to meet the Solar and Non-Solar Targets for the FY 2021-22 and has a cumulative shortfall of 27.38 MUs (7.24 MUs of Solar and 20.14 MUs for Non-Solar).

The Commission enquired the respondent about the reason behind the decrease in power generation from solar. The respondent submitted that they had a solar power plant of 0.05 MW capacity out of which only 0.024 MW capacity is working. They further elaborated that earlier the solar power plant was being operated by BHEL, then the plant was taken over by the Electricity Department. Due to the Covid-19 pandemic and lack of manpower and funding issues, the maintenance of the power plant could not be carried out. Now the plants have been handed over to SECI. They will revive & operationalise the same and accordingly solar generation will increase. The Commission has noted that the shortfall is massive. The Commission also suggested that since it is an island, there is a lot of scope for solar power. The respondent submitted that they are planning for rooftop solar and SECI has been engaged in working on this matter. Moreover, due to coral reefs and cyclones, no floating solar is allowed in U.T.

Further, the action plan for FY 2022-23 as submitted by respondent no. 3 is as tabulated below:



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**ACTION PLAN FOR FY 2022-23: LAKSHADWEEP**

RPO Obligation	Sales for FY 2022-23 in (MUs)	RPO Target to be Met for FY 2022-23		Cumulative Backlog as on 31-03-2022	Cumulative Target for FY 2022-23	First Quarter (April 2022-June 2022) in MUs - Actual			Second Quarter (July 2022-September 2022) in MUs -Actual			Third Quarter (October 2022-December 2022) in MUs - Tentative			Fourth Quarter (January 2023-March 2023) in MUs - Tentative			Total RPO Compliance for FY 2022-23
		3	4			5	6=(4+5)			7			8			9		
1	2	3	4	5	6	Gen	RE C	PP	Gen	RE C	PP	Gen	RE C	PP	Gen	RE C	PP	MU
Solar	57	9.00%	5.13	7.24	12.37	0.03	0.00	0.00	0.03	0.00	0.00	0.03	0.00	0.00	0.03	0.00	0.00	0.10
Non-Solar		9.00%	5.13	20.14	25.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HPO		0.35%	0.20	0.00	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total</b>		18.35%	10.46	27.38	37.84	0.03	0.00	0.00	0.03	0.00	0.00	0.03	0.00	0.00	0.03	0.00	0.00	0.10

The Commission is concerned about the non-achievement of the RPO targets and also noted that due to the year-on-year non-compliance, the total target at the end of FY 2022-23 including backlog is huge. The Commission directs the respondent to make sincere efforts to comply with the RPO targets especially because it shall replace high-cost Diesel Generation failing which the Commission shall be constrained to initiate appropriate legal action.

**4. DNHDDPDCL (ERSTWHILE DNHPDCL & DD), U.T DADRA & NAGAR HAVELI AND DAMAN & DIU: Respondent No. 4**

The Commission examined the report submitted by respondent no. 4 and has calculated the combined RPO targets for DNHDDPDCL based on the latest figures of sales placed on record for DNH & DD which were separate UTs earlier, which are summarized below:

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**CUMULATIVE COMPLIANCE TILL FY 2021-22 INCLUDING BACKLOG: DNHPDCL & DD**

RPO Obligation	Sales figure for FY 2021-22 in (MUs)  (Actual Sales)	RPO Target to be Met for FY 2021-22		Cumulative Backlog as on 31-03-2021	Cumulative Target for FY 2021-22 including backlog (till 31.03.2021)	Total RPO Met from various sources for FY 2021-22  in MUs				(Excess)/Shortfall
		3	4			5	(6=4+5)	7	8	
	MU	%	MU	MU	MU	Gen.	REC	PP	Total	MU
Solar	9139.36*	8.00%	731.15	826.04	1557.19	87.90	0.00	221.11	309.01	1248.18
Non -Solar		9.00%	822.54	1069.45	1891.99	12.25	200.00	335.50	547.75	1344.24
<b>Total</b>		17.00%	1553.69	1895.49	3449.18	100.15	200.00	556.61	856.76	2592.42

The Commission observed that there is a shortfall of 2592.42 MUs (including backlog) for the FY 2021-22. The Target (including backlog) for Solar RPO was 1557.19 MUs out of which only 309.01 MUs were achieved, for Non-Solar RPO the target including backlog was 1891.99 MUs and only 547.75 MUs were achieved with the total achievement for the financial year being only 856.76 MUs i.e., 25%.

Respondent no.4 submitted that this shortfall was only because of the non-availability of tied-up power. The former utility tied up a 50 MW wind project with SECI. The developer pursued the CERC for termination of PPA because of the non-availability of land. Due to this, even the tied-up wind power of 50 MW is not available till now. Furthermore, they have started procuring the power from the Green Day Ahead Market (GDAM) & Green Term Ahead Market (GTAM) market and accordingly purchased more than 250 MUs within six months to comply with the RPO targets.

Further, the actual achievement for FY 2022-23 as submitted by respondent no. 4 is as tabulated below:

\*9139.36 MUs has been computed as the sum of actual sales of DNH and DD (as submitted in RPO Compliance report till FY 2021-22)

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**ACTUAL ACHIEVEMENT IN THE FIRST & SECOND QUARTERS FOR FY 2022-23: DNHDDPDCL**

RPO Obligation	Sales for FY 2022-23 in (MUs)	RPO Target to be Met for FY 2022-23		Cumulative Backlog as on 31-03-2022	Cumulative Target for FY 2022-23	First Quarter (April 2022- June 2022) in MUs - Actual			Second Quarter (July 2022- September 2022) in MUs -Actual			Total
		3	4			5	7			8		
1	2	3	4	5	(6=4+5)	7			8			(9=7+8)
	MU	%	MU	MU	MU	Gen	REC	PP	Gen	REC	PP	MU
Solar	9487.55	9.00%	853.88	1248.18	2102.06	0.00	0.00	110.26	0.00	0.00	174.04	284.30
Non -Solar		9.00%	853.88	1344.24	2198.12	0.00	0.00	41.76	0.00	0.00	78.22	119.98
HPO		0.35%	33.21	0.00	33.21	0.00	0.00	21.67	0.00	0.00	30.25	51.92
<b>Total</b>		<b>18.35%</b>	<b>1740.97</b>	<b>2592.42</b>	<b>4333.39</b>	<b>0.00</b>	<b>0.00</b>	<b>173.69</b>	<b>0.00</b>	<b>0.00</b>	<b>282.51</b>	<b>456.20</b>

**ACTION PLAN FOR FY 2022-23: DNHDDPDCL**

Respondent no. 4 submitted that they are in process of initiating the bidding process to fulfill the RPO Obligation. The respondent proposed to invite bids for Round-the-Clock (RTC) power from Renewable Energy Sources for a long-term tie-up to meet the RPO shortfall. Considering the RPO shortfall, they proposed to procure 150 MW RE RTC with a 150 MW Green Shoe option. For 150 MW under RE RTC, they will get the energy of around 1,180MUs per annum considering 90% CUF. This will help in meeting the RPO targets specified by the Hon'ble Commission. Accordingly, the respondent will approach the Hon'ble Commission for necessary approval at the earliest.

The Commission enquired about the green shoe option and how the respondent intends to implement the same. The respondent submitted that it is a standard procurement option prevailing in the market. They are planning to float the tender to procure 150 MW of power. Initially, they will start with 150 MW of power and then they will increase the quantum from the same source, same party, and at the same rate.

The Commission has noted that cumulative backlog up to FY 2021-22 is huge and how will they meet the cumulative RPO target for FY 2022-23. The respondent submitted that they have proposed to procure 150 MW RE RTC with a 150 MW Green Shoe option. They are expecting

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that the 150 MW of RE-RTC power will generate approximately 1200 MUs of power per annum. Through these commitments, they are planning to meet the total RPO target for FY 2022-23.

The Commission has examined the submissions of the respondent and actual RPO achievement for the first and second quarters of FY 2022-23. The Commission directed the respondent to provide a detailed action plan for achievement of RPO Compliance for FY 2022-23 within 4 weeks.

#### 5. ELECTRICITY DEPARTMENT, GOA: Respondent No. 5

The Commission examined the report submitted by respondent no. 5 and has calculated the RPO targets based on the latest figures of sales placed on record, which are summarized below:

#### CUMULATIVE COMPLIANCE TILL FY 2021-22 INCLUDING BACKLOG: GOA

RPO Obligation	Sales figure for FY 2021-22 in (MUs)  (Actual Sales)	RPO Target to be Met for FY 2021-22		Cumulative Backlog as on 31-03-2021	Cumulative Target for FY 2021-22 including backlog (till 31.03.2021)	Total RPO Met from various sources for FY 2021-22  in MUs				(Excess)/Shortfall
		3	4			5	(6=4+5)	7	8	
	MU	%	MU	MU	MU	Gen.	REC	PP	Total	MU
Solar	3989.83#	8.00%	319.19	66.94	386.13	16.03	95.00	218.81	329.84	56.29
Non -Solar		9.00%	359.08	(33.22)	359.08	0.00	0.00	324.86	324.86	34.22
<b>Total</b>		17.00%	678.27	66.94	745.21	16.03	95.00	543.67	654.70	90.51

In its cumulative RPO compliance report (including backlog) for FY 2021-22, respondent no. 5 has submitted that they have a cumulative surplus of 33.22 MUs in terms of Non-Solar RPO from the previous year i.e., FY 2020-21. The respondent has considered the cumulative backlog for FY 2020-21 after considering the cumulative surplus of 33.22 MUs in terms of Non-Solar RPO. In this regard proviso mentioned under clause 3.4 of JERC (Procurement of Renewable Energy) (Fourth Amendment), Regulations 2022 stipulates that “[Provided that on achievement of Solar RPO compliance to the extent of 85% and above, remaining shortfall, if any, can be met by excess non-solar energy consumed beyond specified Non-Solar RPO for that particular year. Similarly, on achievement of Other Non-Solar RPO compliance to the extent of 85% and above,

#Since APR of ED Goa for FY 2021-22 has not been issued, Sales fig. is taken as per the RPO Compliance report till FY 2021-22 submitted by the respondent no. 5

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*remaining shortfall if any, can be met by excess solar or eligible hydro energy consumed beyond specified Solar RPO or HPO for that particular year.*

#Since APR of ED Goa for FY 2021-22 has not been issued, Sales fig. is taken as per the RPO Compliance report till FY 2021-22 submitted by the respondent no. 5

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Further, on achievement of HPO compliance to the extent of 85% and above, remaining shortfall, if any, can be met by excess solar or other non-solar energy consumed beyond specified Solar RPO or Other Non-Solar RPO for that particular year.]”

Accordingly, the cumulative surplus of (33.22 MUs in terms of Non-Solar RPO) has not been accounted for the total cumulative backlog as on 31.03.2021.

The respondent submitted that to fulfill the Solar RPO target for FY 2022-23, they shall procure solar power from a long-term tied-up source from SECI for 25 MW quantum, Medium-term tied-up sources such as NVVNL for 6 MW quantum, short-term market like GTAM, traders and through Solar RECs.

Further, the action plan for FY 2022-23 as submitted by respondent no. 5 is as tabulated below:

#### ACTION PLAN FOR FY 2022-23: GOA

RPO Obligation	Sales for FY 2022-23 in (MUs)	RPO Target to be Met for FY 2022-23		Cumulative Backlog as on 31-03-2022	Cumulative Target for FY 2022-23	First Quarter (April 2022- June 2022) in MUs - Actual			Second Quarter (July 2022- September 2022) in MUs -Actual			Third Quarter (October 2022- December 2022) in MUs - Tentative			Fourth Quarter (January 2023- March 2023) in MUs - Tentative			Total RPO Compliance for FY 2022-23	
		3	4			5	6=4+5	7	8	9	10	11=7+8+9+10							
	MU	%	MU	MU	MU	Gen	REC	PP	Gen	REC	PP	Gen	REC	PP	Gen	REC	PP	MU	
Solar	4241.87	9.00%	381.77	56.29	438.05	6.63	0.00	59.36	6.25	70.00	78.81	7.12	0.00	72.19	10.00	0.00	70.44	380.80	
Non-Solar		9.00%	381.77	34.22	415.99	0.00	0.00	135.32	0.00	0.00	144.91	0.00	0.00	86.20	0.00	0.00	73.79	440.22	
HPO		0.35%	14.85	0.00	14.85	0.00	0.00	0.00	0.00	0.00	15.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.68
<b>Total</b>			18.35%	778.38	90.51	868.89	6.63	0.00	194.68	6.25	70.00	239.40	7.12	0.00	158.39	10.00	0.00	144.23	836.70

The Commission upon examining the action plan observed that respondent no.5 will be able to meet its full Non-Solar RPO & HPO compliance if it succeeds in executing the action plan as submitted, however, there may still be a shortfall of 57.25 MUs for the Solar RPO compliance and as a

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result, there will be a shortfall in the total compliance. Hence the Commission directs the respondent to ensure 100% compliance for Solar, Non-Solar and HPO Obligations in the FY 2022-23 so that the total RPO targets, as well as the backlog, can be met.

#### 6. ELECTRICITY DEPARTMENT, CHANDIGARH: Respondent No. 6

The Commission examined the report submitted by respondent no. 6 and has calculated the RPO targets based on the latest figures of sales placed on record, which are summarized below:

#### CUMULATIVE COMPLIANCE TILL FY 2021-22 INCLUDING BACKLOG: CHANDIGARH

RPO Obligation	Sales figure for FY 2021-22 in (MUs)  (Actual Sales)	RPO Target to be Met for FY 2021-22		Cumulative Backlog as on 31-03-2021	Cumulative Target for FY 2021-22 including backlog (till 31.03.2021)	Total RPO Met from various sources for FY 2021-22  in MUs				(Excess)/Shortfall
		3	4			5	(6=4+5)	7	8	
1	2	%	MU	MU	MU	Gen.	REC	PP	Total	MU
Solar	498.05!	8.00%	39.84	0.00	39.84	0.00	0.00	45.22	45.22	(5.38)
Non -Solar		9.00%	44.82	8.45	53.27	0.00	0.00	99.31	99.31	(46.04)
Total		17.00%	84.67	8.45	93.12	0.00	0.00	144.53	144.53	(51.41)

The Commission observed that respondent no. 6 has achieved the Solar and Non-Solar RPO targets in excess by 5.38 MUs and 46.04 MUs respectively. The Commission appreciates the efforts of the respondent in achieving the complete target for FY 2021-22.

The respondent submitted that they will only be able to meet the HPO target for FY 2022-23 by purchasing the REC certificates and not through generation and power purchase. The respondent requested the Commission to adjust the HPO compliance for FY 2022-23 with the overachievement of Solar and Non-Solar RPO compliance for FY 2022-23. The Commission suggested that the compliance should be as per the Joint Electricity Regulatory Commission (For the State of Goa and Union Territories) (Procurement of Renewable Energy) Regulations, 2010 regarding Renewable Purchase Obligation (RPO) and as amended from time to time. Hence, the adjustment of Solar and Non-Solar RPO over achievement cannot be made in the HPO underachievement.

Further, the action plan for FY 2022-23 as submitted by respondent no. 6 is as tabulated below:

!498.05 MUs is taken as per the RPO Compliance report till FY 2021-22 submitted by the respondent no. 6

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**ACTION PLAN FOR FY 2022-23: CHANDIGARH**

RPO Obligation	Sales for FY 2022-23 in (MUs)	RPO Target to be Met for FY 2022-23		Cumulative Backlog as on 31-03-2022	Cumulative Target for FY 2022-23	First Quarter (April 2022- June 2022) in MUs - Actual			Second Quarter (July 2022- September 2022) in MUs -Actual			Third Quarter (October 2022- December 2022) in MUs - Tentative			Fourth Quarter (January 2023- March 2023) in MUs - Tentative			Total RPO Compliance for FY 2022-23	
		3	4			5	7			8			9			10			(11=7+8+9+10)
1	2	%	MU	MU	MU	Gen	RE C	PP	Gen	RE C	PP	Gen	RE C	PP	Gen	RE C	PP	MU	
Solar	310.42	9.00%	27.94	0.00	27.94	0.00	0.00	5.55	0.00	0.00	2.55	0.00	0.00	3.94	0.00	0.00	32.93	44.97	
Non-Solar		9.00%	27.94	0.00	27.94	0.00	0.00	52.56	0.00	0.00	37.81	0.00	0.00	17.31	0.00	0.00	21.47	129.15	
HPO		0.35%	5.38	0.00	5.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total</b>		<b>18.35%</b>	<b>61.25</b>	<b>0.00</b>	<b>61.25</b>	<b>0.00</b>	<b>0.00</b>	<b>58.11</b>	<b>0.00</b>	<b>0.00</b>	<b>40.36</b>	<b>0.00</b>	<b>0.00</b>	<b>21.25</b>	<b>0.00</b>	<b>0.00</b>	<b>54.40</b>	<b>174.12</b>	

The Commission on analysing the data submitted by the respondent for the action plan observed that the respondent will be able to comply the RPO target for FY 2022-23 if it succeeds in achieving the action plan as submitted. The Commission appreciates the efforts of the respondent in achieving the complete target for the FY 2021-22. The Commission directs the respondent to continue to achieve the Solar and Non-Solar RPO targets along with the HPO target for FY 2022-23.

**Ordered accordingly.**

**Sd/-  
(Jyoti Prasad)  
Member (Law)**

**Certified Copy**

**(Rakesh Kumar)  
Secretary**



