

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

Quorum

Shri Alok Tandon, Chairperson

Smt. Jyoti Prasad, Member (Law)

Suo Moto Petition No. 61/2012

Date of Hearing: 17th & 18th December 2024

Date of Order: 21.01.2025.

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

Respondents Present.....

1. From A&N Islands

- a) Smt. Madhuri Shukla, Superintending Engineer, Electricity Department, A&N Islands
- b) Smt. Usha Kapoor, Assistant Engineer, Electricity Department, A&N Islands

2. From DNHDD

- a) Shri Chetan Bundela, Vice President, DNHDDPDCL
- b) Smt. Luna Pal, General Manager, DNHDDPDCL
- c) Shri. Jignesh Langalia, Vice President, DNHDDPDCL

3. From Lakshadweep

- a) Shri Sajid Khan, Junior Engineer, Electricity Department, Lakshadweep

4. From Goa

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

5. From Puducherry

- a) Shri T.Chanemougam, Superintending Engineer-Head of Department, Electricity Department, Puducherry

6. From Chandigarh

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

7. From Solar Energy Corporation of India Ltd. (SECI)

- a) Shri Sandeep Reddy, Senior Manager, SECI
- b) Shri. Ashutosh Shandilya, Executive Trainee, SECI

ORDER

The Commission has conducted the Suo Moto Hearing on 17th December 2024 for Andaman & Nicobar, Dadra & Nagar Haveli and Daman & Diu, and Lakshadweep & on 18th December 2024 for Goa, Puducherry, 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 the JERC (Procurement of Renewable Energy) Regulations, 2010, and as amended from time to time. The Commission has received data on RPO compliance for FY 2023-24 from all the Union Territories/State within its jurisdiction along with the action plan for FY 2024-25.

The detailed information received from the Respondents has been taken on record. Accordingly, the submissions made by the Respondents have been examined.

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

The report submitted by Respondent no. 1 has been examined. The RPO targets have been calculated based on the latest data of sales by the Respondent no. 1. The same are summarized below:

CUMULATIVE COMPLIANCE TILL FY 2023-24 INCLUDING BACKLOG: ANDAMAN & NICOBAR ISLANDS

Annual Compliance for FY 2023-24													
RPO	Sales for FY 2023-24 in (MUs)	RPO Target to be Met for FY 2023-24		Cumulative Backlog as on 31-03-23	Cumulative Target for FY 2023-24	Standalone Total Compliance for FY 2023-24			RPO Compliance for FY 2023-24	Standalone (Shortfall)/Excess for FY (2023-24)	Standalone (Shortfall)/Excess for FY (2023-24)	Cumulative (Shortfall)/Excess for FY (2023-24)	Cumulative (Shortfall)/Excess for FY (2023-24)
		3	4			5	6=4+5	7					
1	2	3	4	5	(6=4+5)	7	8	9	10	(11=10-4)	(12=11/4)	(13=10-6)	(14=13/6)
	MU	%	MU	MU	MU	Gen	REC	PP	MU	MU	%	MU	%
Solar	299.41	10.00%	29.94	3.05	32.99	0.02	0.00	27.50	27.52	-2.42	-8.09%	-5.47	-16.58%
Non - Solar		9.25%	27.70	38.43	66.13	12.04	0.00	0.00	12.04	-15.66	-56.53%	-54.09	-81.79%
HPO		0.66%	1.98	0.99	2.97	0.00	0.00	0.00	0.00	-1.98	100.00%	-2.97	-100.00%
Total			19.91%	59.62	42.47	102.09	12.06	0.00	27.50	39.56	-20.06	-33.65%	-62.53

It is observed that Respondent no. 1 has not been able to meet the Solar, Non-Solar and HPO Targets set for the FY 2023-24. The Respondent has achieved 27.52 MUs against cumulative target of 32.99 MUs of Solar obligation, 12.04 MU against cumulative target of 66.13 MU of non-solar obligation and in case of HPO the Respondent has not at all complied with the RPO target. The Respondent has achieved only 39.56 MU against the cumulative RPO target of 102.09 MU thereby leaving a backlog of 62.53 MUs at the end of FY 2023-24.

The action plan and achievement for FY 2024-25 submitted by Respondent no. 1 are as tabulated below:

ACTION PLAN FOR FY 2024-25: ANDAMAN & NICOBAR ISLANDS

Action Plan for FY 2024-25																		
RPO	Sales for FY 2024-25 in (MUs)	RPO Target to be Met for FY 2024-25		Cumulative Backlog as on 31-03-2024	Cumulative Target for FY 2024-25	First Quarter (April 2024- June 2024) in MUs - Actual			Second Quarter (July 2024- September 2024) in MUs -Actual			Third Quarter (October 2024- December 2024) in MUs - Tentative			Fourth Quarter (January 2025- March 2025) in MUs - Tentative			Total RPO Compliance for FY 2024-25
		3	4			5	6	7	8	9	10	11	12	13	14	15	16	
1	2	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
Wind RPO	298.47	0.67%	1.99	0.00	1.99	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		0.38%	1.13	0.00	1.13	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
Distributed RE RPO		1.50%	4.48	0.00	4.48	0.01	0.00	2.33	0.00	0.00	2.10	0.01	0.00	2.24	0.01	0.00	2.89	9.59
Other RPO		27.35%	81.63	62.53	144.16	2.07	0.00	4.50	5.41	0.00	3.13	3.70	0.00	3.66	2.69	0.00	6.60	31.76
Total		29.90%	89.23	62.53	151.76	2.08	0.00	6.83	5.41	0.00	5.23	3.71	0.00	5.90	2.70	0.00	9.49	41.35

The Respondent no.1 has submitted the action plan for RPO target of 151.76 MUs (Including backlog) for FY 2024-25 as under:

- During 1st quarter, the actual RPO compliance of 8.91 MUs is met by 2.34 MUs from Distributed Renewable Energy and 6.57 MUs from other RPO.
- During 2nd quarter, the actual RPO compliance of 10.64 MUs is met by 2.10 MUs from Distributed Renewable Energy and 8.54 MUs from Other RPO.
- During the 3rd quarter, the RPO of 9.61 MUs shall be met by 2.25 MUs from Distributed Renewable Energy and 7.36 MUs from other RPO.
- During 4th quarter, the RPO of 12.19 MUs shall be met 2.90 MUs from Distributed Renewable Energy and 9.29 MUs from other RPO.

The Respondent further submitted that out of total RPO Target of 89.23 MUs (excluding backlog) for FY 2024-25, RPO of 41.35 MUs is proposed to be met through Distributed Renewable Energy and other RPO only. The Respondent may not be able to meet the target under Wind RPO and HPO, which has to be met only by the energy produced from Wind and Hydro projects Commissioned after 01.04.2024. As such, under wind projects, three wind masts have been installed by NIWE (National Institute of Wind Energy) in three locations for wind Resource Assessment and wind power Density Study at Shaheed Dweep, Long Island under Middle Andaman and Manglutan, under South Andaman. Further, Wind Resource Assessment study for 2 more islands Tugapur and Swaraj Dweep is under approval of the governing Council of NIWE. There are no hydro projects under pipeline due to non-availability of perennial hydro sources in Andaman and Nicobar Islands.

The Commission observed that the Respondent no.1 has projected compliance of only 41.35 MU against a total RPO target of 151.76 MUs (including backlog of 62.53 MU).The Commission expresses serious concern in the non-compliance of RPO targets by the Respondent no.1.The Commission directs the Respondent no.1 to strictly comply the target & achieve the balance RPO target of 47.88 MUs (89.23 MUs-41.35 MUs) of FY 2024-25 along with 50% of 62.53 MUs (up to FY 2023-24) i.e 31.26 MUs by the end of FY 2024-25 either through procurement of RE power or through procurement of Renewable Energy Certificates(RECs) positively. Remaining backlog of 31.26 MUs should be met along with RPO target of 2025-26 either through procurement of RE power or through procurement of RECs. The Commission shall be constrained to initiate appropriate action in case above directions are not complied with.

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

The report submitted by Respondent no. 2 has been examined. The RPO targets have been calculated based on the latest data of sales by the Respondent.

The same are summarized below:

CUMULATIVE COMPLIANCE TILL FY 2023-24 INCLUDING BACKLOG: PUDUCHERRY

Annual Compliance for FY 2023-24													
RPO	Sales for FY 2023-24 in (MUs)	RPO Target to be Met for FY 2023-24		Cumulative Backlog as on 31-03-23	Cumulative Target for FY 2023-24	Standalone Total Compliance for FY 2023-24			RPO Compliance for FY 2023-24	Standalone (Shortfall)/Excess for FY (2023-24)	Standalone (Shortfall)/Excess for FY (2023-24)	Cumulative (Shortfall)/Excess for FY (2023-24)	Cumulative (Shortfall)/Excess for FY (2023-24)
		%	MU			MU	MU	Gen					
1	2	3	4	5	(6=4+5)	7	8	9	10	(11=10-4)	(12=11/4)	(13=10-6)	(14=13/6)
	MU	%	MU	MU	MU	Gen	REC	PP	MU	MU	%	MU	%
Solar	3104.11	10.00%	310.41	620.85	931.26	63.67	0.00	256.91	320.58	10.17	3.28%	-610.68	-65.58%
Non - Solar		9.25%	287.13	952.63	1239.76	0.00	0.00	457.45	457.45	170.32	59.32%	-782.31	-63.10%
HPO		0.66%	20.49	0.00	20.49	0.00	0.00	0.00	0.00	-20.49	100.00%	-20.49	-100.00%
Total		19.91%	618.03	1573.48	2191.51	63.67	0.00	714.36	778.03	160.00	25.89%	-1413.48	-64.50%

It is observed that Respondent no. 2 has not been able to meet the Solar, Non-Solar and HPO Targets set for the FY 2023-24. The Respondent for Solar obligation has achieved 320.58 MUs against cumulative target of 931.26 MUs, 457.45 MUs was achieved for Non-solar against cumulative target of 1239.76 MUs and for HPO category the Respondent has not complied with the target at all. The Respondent has achieved a total 778.03 MUs of RPO against a total target of 2191.51 MUs thereby leaving a backlog of 1413.48 MUs at the end of FY 2023-24.

The action plan and achievement for FY 2024-25 submitted by Respondent no. 2 are as tabulated below:

ACTION PLAN FOR FY 2024-25: PUDUCHERRY

Action Plan for FY 2024-25																			
RPO	Sales for FY 2024-25 in (MUs)	RPO Target to be Met for FY 2024-25		Cumulative Backlog as on 31-03-2024	Cumulative Target for FY 2024-25	First Quarter (April 2024- June 2024) in MUs - Actual			Second Quarter (July 2024- September 2024) in MUs -Actual			Third Quarter (October 2024- December 2024) in MUs - Tentative			Fourth Quarter (January 2025- March 2025) in MUs - Tentative			Total RPO Compliance for FY 2024-25	
1	2	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	
Wind RPO	3145.54	0.67%	21.08	0.00	21.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	75.20	75.20
HPO		0.38%	11.95	0.00	11.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.00	15.00
Distributed RE RPO		1.50%	47.18	63.67	110.85	20.30	0.00	0.00	18.32	0.00	0.00	30.55	0.00	0.00	30.00	0.00	0.00	99.17	
Other RPO		27.35%	860.31	1349.81	2210.12	0.00	0.00	229.47	0.00	0.00	227.22	0.00	0.00	345.00	0.00	0.00	593.00	1394.69	
Total		29.90%	940.52	1413.48	2354.00	20.30	0.00	229.47	18.32	0.00	227.22	30.55	0.00	345.00	30.00	0.00	683.20	1584.06	

The Respondent no.2 has submitted the action plan for RPO target of 2354 MUs (including backlog) for FY 2024-25 as under:

- During 1st quarter, the actual RPO of 249.77 MUs is met by 20.30 MUs from Distributed Renewable Energy and 229.47 MUs from other RPO.

- During 2nd quarter, the actual RPO of 245.54 MUs is met by 18.32 MUs from Distributed Renewable Energy and 227.22 MUs from Other RPO.
- During the 3rd quarter, the RPO of 375.55 MUs shall be met by 30.55 MUs from Distributed Renewable Energy and 345.00 MUs from other RPO.
- During 4th quarter, the RPO of 713.20 MUs shall be met by 30.00 MUs from Distributed Renewable Energy, 75.20 MUs from Wind RPO, 15.00 MUs from HPO and 593.00 MUs from Other RPO.

The Commission observed that the Respondent no.2 has projected 1584.06 MUs of RPO compliance against a total RPO Target of 2354 MUs (including backlog of 1413.48 MU) for FY 2024.25. The Commission expresses concern in the non-compliance of RPO targets by the Respondent no.2. The Commission directs the Respondent no.2 to comply with the target strictly and achieve at least 50% of the expected balance RPO of 769.94 MUs (2354 MUs-1584.06 MUs) i.e 384.97 MU positively by the end of FY2024-25 through procurement of RE power or through procurement of Renewable Energy certificates (RECs). Remaining backlog of 384.97 MUs (50% of 769.94 MUs) should be met along with RPO target of 2025-26 either through the procurement of RE power or procurement of RECs. The Commission shall be constrained to initiate appropriate action in case above directions are not complied with.

3. ELECTRICITY DEPARTMENT, LAKSHADWEEP: Respondent No. 3

The report submitted by Respondent no.3 has been examined. The RPO targets have been calculated based on the latest data of sales by the Respondent no.3. The same are summarized below:

CUMULATIVE COMPLIANCE TILL FY 2023-24 INCLUDING BACKLOG: LAKSHADWEEP

Annual Compliance for FY 2023-24													
RPO	Sales for FY 2023-24 in (MUs)	RPO Target to be Met for FY 2023-24		Cumulative Backlog as on 31-03-23	Cumulative Target for FY 2023-24	Standalone Total Compliance for FY 2023-24			RPO Compliance for FY 2023-24	Standalone (Shortfall)/Excess for FY (2023-24)	Standalone (Shortfall)/Excess for FY (2023-24)	Cumulative (Shortfall)/Excess for FY (2023-24)	Cumulative (Shortfall)/Excess for FY (2023-24)
		3	4			7	8	9					
1	2	3	4	5	(6=4+5)	7	8	9	10	(11=10-4)	(12=11/4)	(13=10-6)	(14=13/6)
	MU	%	MU	MU	MU	Gen	REC	PP	MU	MU	%	MU	%
Solar	56.00	10.00%	5.60	12.11	17.71	1.30	0.00	0.00	1.30	-4.30	-76.79%	-16.41	-92.66%
Non - Solar		9.25%	5.18	24.17	29.35	0.00	0.00	0.00	0.00	-5.18	-100.00%	-29.35	-100.00%
HPO		0.66%	0.37	0.20	0.57	0.00	0.00	0.00	0.00	-0.37	-100.00%	-0.57	-100.00%
Total		19.91%	11.15	36.48	47.63	1.30	0.00	0.00	1.30	-9.85	-88.34%	-46.33	-97.27%

It is observed that Respondent no. 3 has not been able to meet the Solar, Non-Solar and HPO Targets set for the FY 2023-24. The Respondent had achieved only 1.30 MUs against cumulative target of 17.71 MUs of Solar obligation and has not at all met the Non-Solar and HPO targets. The Respondent has achieved only 1.30 MUs against the total RPO target of 47.63 MUs for FY 2023-24 there by leaving a backlog of 46.33 MUs at the end of FY 2023-24.

The action plan and achievement till FY 2024-25 submitted by Respondent no. 3 are as tabulated below:

ACTION PLAN FOR FY 2024-25: LAKSHADWEEP

Action Plan for FY 2024-25																		
RPO	Sales for FY 2024-25 in (MUs)	RPO Target to be Met for FY 2024-25		Cumulative Backlog as on 31-03-2024	Cumulative Target for FY 2024-25	First Quarter (April 2024- June 2024) in MUs - Actual			Second Quarter (July 2024- September 2024) in MUs -Actual			Third Quarter (October 2024- December 2024) in MUs - Tentative			Fourth Quarter (January 2025- March 2025) in MUs - Tentative			Total RPO Compliance for FY 2024-25
		3	4			5	7			8			9			10		
1	2	3	4	5	(6=4+5)	Gen.	REC	PP	Gen.	REC	PP	Gen.	REC	PP	Gen.	REC	PP	MU
Wind RPO	53.91	0.67%	0.36	0.00	0.36	0.00	0.00	0.00	0.000	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HPO		0.38%	0.20	0.00	0.20	0.00	0.00	0.00	0.000	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Distributed RE RPO		1.50%	0.81	30.28	31.09	0.00	0.00	0.00	0.000	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other RPO		27.35%	14.74	16.05	30.8	0.01	0.00	0.60	0.004	0.000	0.581	0.00	0.00	0.60	0.00	0.00	0.60	0.60
Total		29.90%	16.12	46.33	62.45	0.01	0.00	0.60	0.004	0.000	0.581	0.00	0.00	0.60	0.00	0.00	0.60	0.60

The Respondent has submitted the action plan for RPO target of 62.45 MUs (including backlog) for FY 2024-25 as under:

- During 1st quarter, the actual RPO of 0.61 MUs is met from other RPO.
- During 2nd quarter, the actual RPO of 0.585 MUs is met from Other RPO.
- During the 3rd quarter, the RPO of 0.60 MUs shall be met from other RPO.
- During the 4th quarter, the RPO of 0.60 MUs shall be met from other RPO.

The Commission observed that the Respondent no.3 has projected 2.40 MUs of RPO compliance against a total RPO target of 62.45 MUs (including backlog of 46.33MU).The Commission expresses serious concern in the non-compliance of RPO targets by the Respondent no.3.The commission directs the Respondent no.3 to strictly comply with the target & achieve the balance RPO target of 13.72 MUs (16.12 MUs-2.40 MUs) of FY 2024-25 along with the 50% of 46.33 MUs (up to FY 2023-24) i.e 23.16 MUs by the end of FY 2024-25 either through procurement of RE power or through procurement of Renewable Energy Certificates (RECs). Remaining backlog of 23.16 MUs should be met along with RPO target of 2025-26 either through the procurement of RE power or procurement of RECs. The Commission shall be constrained to initiate appropriate action in case above directions are not complied with.

4.ELECTRICITY DEPARTMENT, GOA: Respondent No. 4

The report submitted by Respondent no.4 has been examined. The RPO targets have been calculated based on the latest data of sales by the Respondent.

The same are summarized below:

CUMULATIVE COMPLIANCE TILL FY 2023-24 INCLUDING BACKLOG: GOA

Annual Compliance for FY 2023-24													
RPO	Sales for FY 2023-24 in (MUs)	RPO Target to be Met for FY 2023-24		Cumulative Backlog as on 31-03-23	Cumulative Target for FY 2023-24	Standalone Total Compliance for FY 2023-24			RPO Compliance for FY 2023-24	Standalone (Shortfall)/Excess for FY (2023-24)	Standalone (Shortfall)/Excess for FY (2023-24)	Cumulative (Shortfall)/Excess for FY (2023-24)	Cumulative (Shortfall)/Excess for FY (2023-24)
1	2	3	4	5	(6=4+5)	7	8	9	10	(11=10-4)	(12=11/4)	(13=10-6)	(14=13/6)
	MU	%	MU	MU	MU	Gen	REC	PP	MU	MU	%	MU	%
Solar	4802.28	10.00%	480.23	95.76	575.99	69.35	161.00	293.38	523.73	43.50	9.06%	-52.26	-9.07%
Non - Solar		9.25%	444.21	8.29	452.50	4.46	0.00	477.48	481.94	37.73	8.49%	29.44	6.51%
HPO		0.66%	31.70	-0.14	31.55	0.00	0.00	30.08	30.08	-1.62	-5.10%	-1.47	-4.66%
Total		19.91%	956.13	103.91	1060.04	73.81	161.00	800.94	1035.75	79.62	8.33%	-24.3	-2.29%

It is observed that Respondent no. 4 has not been able to meet the Solar and HPO Targets set for the FY 2023-24. The Respondent no.4 had achieved 523.73 MUs against cumulative target of 575.99 MUs of Solar obligation. For HPO, 30.08 MUs was met against cumulative target of 31.55 MUs and for non-solar obligation, 481.94 MUs was achieved against cumulative target of 452.50 MUs. The Respondent no.4 has achieved 1035.75 MUs against the cumulative RPO target of 1060.04 MUs thereby leaving a small margin of 24.30 MUs as backlog at the end of FY 2023-24.

The action plan and achievement for FY 2024-25 submitted by Respondent no. 4 are as tabulated below:

ACTION PLAN FOR FY 2024.25:GOA

Action Plan for FY 2024-25

RPO	Sales for FY 2024-25 in (MUs)	RPO Target to be Met for FY 2024-25		Cumulative Backlog as on 31-03-2024	Cumulative Target for FY 2024-25	First Quarter (April 2024- June 2024) in MUs - Actual			Second Quarter (July 2024- September 2024) in MUs -Actual			Third Quarter (October 2024- December 2024) in MUs - Tentative			Fourth Quarter (January 2025- March 2025) in MUs - Tentative			Total RPO Compliance for FY 2024-25
		3	4			5	7			8			9			10		
1	2	%	MU	MU	(6=4+5)	Gen.	REC	PP	Gen.	REC	PP	Gen.	REC	PP	Gen.	REC	PP	(11=7+8+9+10)
Wind RPO	4860.87	0.67%	32.57	0.00	32.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	32.57	32.57
HPO		0.38%	18.47	1.47	19.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19.94	0.00	0.00	0.00	19.94
Distributed RE RPO		1.50%	72.91	0.00	72.91	18.53	0.00	0.00	10.06	0.00	0.00	18.00	0.00	0.00	21.38	0.00	0.00	67.97
Other RPO		27.35%	1329.45	22.8	1352.28	0.00	0.00	174.42	0.97	300.00	214.44	0.00	200.00	117.93	0.00	212.28	140.62	1360.66
Total		29.90%	1453.40	24.3	1477.70	18.53	0.00	174.42	11.03	300.00	214.44	18.00	200.00	137.87	21.38	212.28	173.19	1481.14

The Respondent no.4 has submitted the action plan for RPO target of 1477.70 MUs for FY 2024-25 as under:

- During 1st quarter, the actual RPO of 192.95 MUs is met by 18.53 MUs from Distributed Renewable Energy and 174.42 MUs from other RPO.
- During 2nd quarter, the actual RPO of 525.47 MUs is met by 10.06 MU from Distributed Renewable Energy and 515.41 MUs From Other RPO.
- During the 3rd quarter, the RPO of 355.87 MUs shall be met by 18.00 MUs from Distributed Renewable Energy, 19.94 MUs from HPO and 317.93 MUs from other RPO.
- During 4th quarter, the RPO of 406.85 MUs shall be met by 21.38 MUs from Distributed Renewable Energy, 32.57 MUs from Wind RPO and 352.90 MUs from other RPO.

The Commission observed that the Respondent no.4 has projected 1481.14 MUs against a total RPO target of 1477.70 MUs (including backlog) which is satisfactory. The Commission directs the Respondent no.4 to ensure that the full target of RPO is achieved and in case of shortfall the same should be met through procurement of Renewable Energy Certificates (RECs).

5. DNHDDPDCL (U.T OF DADRA & NAGAR HAVELI AND DAMAN & DIU: Respondent No. 5

The report submitted by Respondent no.5 has been examined. The RPO targets have been calculated based on the latest data of sales by the Respondent no.5. The same are summarized below:

CUMULATIVE COMPLIANCE TILL FY 2023-24 INCLUDING BACKLOG: DNHDD

Annual Compliance for FY 2023-24													
RPO	Sales for FY 2023-24 in (MUs)	RPO Target to be Met for FY 2023-24		Cumulative Backlog as on 31-03-23	Cumulative Target for FY 2023-24	Standalone Total Compliance for FY 2023-24			RPO Compliance for FY 2023-24	Standalone (Shortfall)/Excess for FY (2023-24)	Standalone (Shortfall)/Excess for FY (2023-24)	Cumulative (Shortfall)/Excess for FY (2023-24)	Cumulative (Shortfall)/Excess for FY (2023-24)
		%	MU			MU	Gen	REC					
1	2	3	4	5	(6=4+5)	7	8	9	10	(11=10-4)	(12=11/4)	(13=10-6)	(14=13/6)
	MU	%	MU	MU	MU	Gen	REC	PP	MU	MU	%	MU	%
Solar	10198.93	10.00%	1019.89	1706.89	2726.78	0.00	920.00	101.37	1021.37	1.48	0.14%	-1705.41	-62.54%
Non - Solar		9.25%	943.40	2138.00	3081.40	0.00	892.00	51.74	943.74	0.34	0.04%	-2137.66	-69.37%
HPO		0.66%	67.31	-1.50	65.81	0.00	31.00	36.58	67.58	0.27	0.40%	1.77	2.68%
Total		19.91%	2030.61	3843.38	5873.99	0.00	1843.00	189.69	2032.69	2.08	0.10%	-3841.30	-65.40%

It is observed that Respondent no. 5 has not been able to meet the Solar targets and Non-Solar targets for the FY 2023-24. The Respondent no.5 had achieved 1021.37 MUs against cumulative target of 2726.78 MUs of Solar obligation. For Non-Solar obligation, 943.74 MUs was achieved against cumulative target of 3081.40 MUs. For HPO obligations, 67.58 MUs was achieved against the cumulative target of 65.81 MUs. Therefore, the Respondent no.5 has achieved a total RPO of 2032.69 MUs against a total target of 5873.99 MUs thereby leaving a balance RPO of 3841.30 MUs at the end of FY 2023-24.

The action plan and achievement for FY 2024-25 submitted by Respondent no. 5 are as tabulated below:

ACTION PLAN FOR FY 2023-24: DNHDD

Action Plan for FY 2024-25																		
RPO	Sales for FY 2024-25 in (MUs)	RPO Target to be Met for FY 2024-25		Cumulative Backlog as on 31-03-2024	Cumulative Target for FY 2024-25	First Quarter (April 2024- June 2024) in MUs - Actual			Second Quarter (July 2024- September 2024) in MUs -Actual			Third Quarter (October 2024- December 2024) in MUs - Tentative			Fourth Quarter (January 2025- March 2025) in MUs - Tentative			Total RPO Compliance for FY 2024-25
		3	4			5	(6=4+5)	7			8			9			10	
1	2	3	4	5	(6=4+5)	Gen.	REC	PP	Gen.	REC	PP	Gen.	REC	PP	Gen.	REC	PP	MU
Wind RPO	10687.06	0.67%	71.60	0.00	71.60	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		0.38%	40.61	0.00	40.61	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
Distributed RE RPO		1.50%	160.31	0.00	160.31	0.00	0.00	29.68	0.00	0.00	50.99	0.00	0.00	16.43	0.00	0.00	19.28	116.38
Other RPO		27.35%	2922.91	3841.30	6764.21	0.00	0.00	0.63	0.00	320.00	1.76	0.00	1401.48	0.00	0.00	1401.48	0.00	3125.35
Total		29.90%	3195.43	3841.30	7036.73	0.00	0.00	30.31	0.00	320.00	52.75	0.00	1401.48	16.43	0.00	1401.48	19.28	3241.73

The Respondent no.5 has submitted the action plan for RPO target of 7036.73 MUs for FY 2024-25 as under:

- During 1st quarter, the actual RPO of 30.31 MUs is met by 29.68 MUs from Distributed Renewable Energy and 0.63 MUs from other RPO.
- During 2nd quarter, the actual RPO of 372.75 MUs is met by 50.99 MUs from Distributed Renewable Energy and 321.76 MUs From Other RPO.
- During the 3rd quarter, the RPO of 1417.91 MUs shall be met by 16.43 MUs from Distributed Renewable Energy and 1401.48 MUs from other RPO.
- During the 4th quarter, the RPO of 1420.76 MUs shall be met by 19.28 MUs from Distributed Renewable Energy 1401.48 MUs from other RPO.

The Commission observed that the Respondent no 5 has projected RPO compliance of 3241.73 MUs against a total RPO target of 7036.73 MUs (including backlog of 3841.30 MU) thereby leaving a balance of 3795 MUs at the end of FY 2024-25. The Commission expresses serious concern in the non compliance of RPO targets by the Respondent no.5. The Commission directs the Respondent no.5 to strictly comply with the target & achieve 50% of the expected balance RPO of 3795 MUs (7036.73-3241.73 i.e 1897.50 MUs) positively by the end of FY 2024-25 through procurement of RE power or the procurement of Renewable Energy Certificates (RECs). Remaining backlog of 1897.50 MUs (i.e 50% of 3795 MUs) should be complied with RPO target of 2025-26 either by procurement of RE power or procurement of RECs positively. The Commission shall be constrained to initiate appropriate action in case above directions are not complied with.

6. ELECTRICITY DEPARTMENT, CHANDIGARH: Respondent No. 6

The report submitted by Respondent no.6 has been examined. The RPO targets have been calculated based on the latest data of sales placed on record by the Respondent. The same are summarized below:

CUMULATIVE COMPLIANCE TILL FY 2023-24 INCLUDING BACKLOG: CHANDIGARH

Annual Compliance for FY 2023-24													
RPO	Sales for FY 2023-24 in (MUs)	RPO Target to be Met for FY 2023-24		Cumulative Backlog as on 31-03-23	Cumulative Target for FY 2023-24	Standalone Total Compliance for FY 2023-24			RPO Compliance for FY 2023-24	Standalone (Shortfall)/Excess for FY (2023-24)	Standalone (Shortfall)/Excess for FY (2023-24)	Cumulative (Shortfall)/Excess for FY (2023-24)	Cumulative (Shortfall)/Excess for FY (2023-24)
		3	4			7	8	9					
1	2	3	4	5	(6=4+5)	7	8	9	10	(11=10-4)	(12=11/4)	(13=10-6)	(14=13/6)
	MU	%	MU	MU	MU	Gen	REC	PP	MU	MU	%	MU	%
Solar	554.61	10.00%	55.46	0.00	55.46	0.00	0.00	48.73	48.73	-6.73	-12.14%	-6.73	-12.14%
Non - Solar		9.25%	51.30	0.00	51.30	0.00	0.00	113.19	113.19	61.89	120.64%	61.89	120.64%
HPO		0.66%	3.66	2.19	5.85	0.00	0.00	0.00	0.00	-3.66	-100.00%	-5.85	-100.00%
Total			19.91%	110.42	2.19	112.61	0.00	0.00	161.92	161.92	51.50	46.64%	49.31

It is observed that Respondent no. 6 has achieved 113.19 MUs against cumulative target of 51.30 MUs for Non-Solar obligation. Hence Non-solar RPO targets is complied with. In case of Solar RPO, Respondent had achieved 48.73 MUs against cumulative target of 55.46 MUs. For HPO category, the Respondent has not complied with target at all. The Respondent no.6 has achieved a total compliance of 161.92 MUs against a total RPO target of 112.61 MUs (including backlog).

The action plan and achievement till FY 2024-25 submitted by Respondent no. 6 are as tabulated below:

ACTION PLAN FOR FY 2024-25: CHANDIGARH

Action Plan for FY 2024-25																		
RPO	Sales for FY 2024-25 in (MUs)	RPO Target to be Met for FY 2024-25		Cumulative Backlog as on 31-03-2024	Cumulative Target for FY 2024-25	First Quarter (April 2024- June 2024) in MUs - Actual			Second Quarter (July 2024- September 2024) in MUs -Actual			Third Quarter (October 2024- December 2024) in MUs - Tentative			Fourth Quarter (January 2025- March 2025) in MUs - Tentative			Total RPO Compliance for FY 2024-25
1	2	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
Wind RPO	1677.27	0.67%	11.24	0.00	11.24	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		0.38%	6.37	0.00	6.37	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
Distributed RE RPO		1.50%	25.16	0.00	25.16	0.00	0.00	2.94	0.00	0.00	2.55	0.00	0.00	2.63	0.00	0.00	38.56	46.68
Other RPO		27.35%	458.73	0.00	458.73	0.00	0.00	385.60	0.00	0.00	516.29	0.00	0.00	265.80	0.00	0.00	244.16	1411.85
Total		29.90%	501.50	0.00	501.50	0.00	0.00	388.54	0.00	0.00	518.84	0.00	0.00	268.43	0.00	0.00	282.72	1458.53

The Respondent no.6 has submitted the action plan for RPO target of 501.50 MUs for FY2024-25 as under:

- During 1st quarter, the actual RPO of 388.54 MUs is met by 2.94 MUs from Distributed Renewable Energy and 385.60 MUs from other RPO.
- During 2nd quarter, the actual RPO of 518.84 MUs met by 2.55 MUs from Distributed Renewable Energy and 516.29 MUs From Other RPO.
- During the 3rd quarter, the RPO of 268.43 MUs shall be met by 2.63 MUs from Distributed Renewable Energy and 265.80 MUs from other RPO.
- During 4th quarter, the RPO of 282.72 MUs shall be met by 38.56 MUs from Distributed Renewable Energy and 244.16 MUs from other RPO.

It is observed that the Respondent no.6 has projected the compliance for DRE and other RPO target but was lagging behind in case of Wind and HPO target.

However, the overall sum total of all categories targets are complied by Respondent as per the proviso of Regulation 3.4 of JERC (procurement of RE Regulation)

(fifth amendment), Regulation 2024 which is produced as under:

“Provided that any shortfall in achievement of stipulated Wind RPO in a particular year may be met with HPO which is in excess of that energy component for that year and vice-versa.”

“Provided further that the balance excess energy consumption under Wind RPO or HPO component in that year, may be considered as part of Other RPO.”

“Provided also that any excess energy consumption under Other RPO in a particular year, may be utilised to meet the shortfall in achievement of stipulated Wind RPO or HPO.”


The Commission observed that the Respondent no.6 has projected an achievement of 1458.53 MUs against a total RPO target of 501.50 MUs (including backlog). Further, the actual compliance of Q1 and Q2 of 2024-25 is 907.38 MUs against the annual target of 501.50 MUs. Thus, the annual target has been already achieved till 30.09.2024 itself. Therefore, the performance of Respondent is satisfactory.

Ordered accordingly.

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

**Sd/-
Alok Tandon
(Chairperson)**

Certified True Copy


**(S.D Sharma)
Secretary (I/c), JERC**