

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

Quorum

Shri M.K. GOEL, Chairperson

Suo Moto Petition No. 61/2012

Date of Hearing: 1st June, 2021

Date of Order: 05th July, 2021

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

Respondents Present.....

1. Shri. Stephen Fernandes, Superintending Engineer, Electricity Department, Goa
2. Shri Hassan P.V, Executive Engineer, Electricity Department, Lakshadweep
3. Shri R.B. Chaubal, Deputy Engineer, DNHPDCL
4. Shri Yunush Patel, Asstt. Engineer, DNHPDCL
5. Shri Ajit Bernard, Superintending Engineer, Electricity Department, A&N Islands
6. Shri Yogesh Tiwari, Asstt. Engineer, Electricity Department, A&N Islands
7. Shri T. Chanemougam, Superintending Engineer, Electricity Department, Puducherry
8. Shri M.R. Ingle, Executive Engineer, Electricity Department, Daman & Diu
9. Shri Dinesh Solanki, Asstt. Engineer, Electricity Department, Daman & Diu
10. Shri Anil Dhamija, Superintending Engineer, Electricity Department, Chandigarh

Order

The Commission has conducted the Suo Moto Hearing on 01st June, 2021 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. The Commission has received data on RPO compliance for the FY 2020-21 from all Union Territories along with the action plan for FY 2021-22.

The detailed information received from all utilities has been taken on record.

1. ELECTRICITY DEPARTMENT, GOA: RESPONDENT NO. 1

The Commission examined the report submitted by Respondent no. 1 and has calculated the RPO targets based on the latest figures of sales available, which are summarized below:

CUMULATIVE COMPLIANCE TILL FY 2020-21 INCLUDING BACKLOG: GOA

S.No	RPO Obligation	Sales figure for FY 2020-21 In MUs (Actual Sales)	RPO Target to be Met for FY 2020-21		Cumulative Target for FY 2020-21 including backlog (Till End of March 2021)	Total RPO Met from various sources for FY 2020-21 In MUs				(Excess)/Shortfall
			%	MU		MU	Generation	REC	Power Purchase	
1	2	3	4	5	6	7	8	9	10	11
			%	MU	MU	Generation	REC	Power Purchase	Total	
1	Solar	3575.65	6.10%	218.11	218.11	12.65	0	138.53	151.18	66.94
2	Non-Solar		8.00%	286.05	329.31	0	0	362.53	362.53	(33.22)
3	Total		14.10%	504.17	547.43	12.65	0	501.06	513.71	66.94

The Respondent No. 1 submitted that the actual sales due to the pandemic COVID-19 has reduced hence now the Sales is 3575.65 MUs. The respondent further mentioned that the all-out efforts were made to achieve the RPO targets for solar and non-solar, however the Non-Solar

targets were achieved with an overachievement of 33.22 MUs but the Solar RPO targets were not fully complied with leaving an under achievement of 66.94MUs. The respondent requested that if the overachievement of Non-Solar RPO be adjusted with the underachievement of Solar RPO so that the overall target can be reduced to 33.72 MUs since RPOs are being purchased at higher rates and considering the current economic situation due to COVID-19, the consumers are unnecessarily be burdened.

The Commission has enquired if the compliance towards Non-Solar RPO was through purchase of physical power or RECs, to which the respondent informed that the entire compliance was through the physical purchase of wind and hydro power.

The Commission further enquired about the status of the RPO compliance for the initial two months of the I quarter for FY 2021-22. The respondent explained that in terms of Non-Solar RPO compliance, the power will be procured through long term tied-up sources such as SECI Wind Tranche II & III of 50 MW quantum each, Short Term markets like traders and Hindustan Waste treatment plant within state. However, in terms of Solar RPO compliance for FY 2021-22, they have tied up sources with long term from SECI of 25 MW Quantum, Medium Term tied up sources such as NVVNL of 6 MW quantum and Short term like Green Term Ahead Market(GTAM) and through solar RECs.

The Commission suggested the respondent that it should strive to achieve the targets in both Solar and Non-Solar RPOs individually in the current financial year. The Commission further mentioned 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 Non-Solar RPO over achievement cannot be made in the Solar RPO under achievement.

The Commission appreciates the efforts of the respondent to comply with the Non-Solar RPO targets and also the fact that the respondent no. 1 has managed to achieve the target entirely through purchase of physical power.

The Commission directs the respondent to continue its efforts for 100% compliance of Solar RPO and Non-Solar RPO targets through purchase of Physical power and rely less on the purchase of RECs.

Further the action plan for FY 2021-22 submitted by the respondent No. 1 is as tabulated below:

ACTION PLAN FOR FINANCIAL YEAR 2021-22: GOA

RPO Obligation for FY 2021-22 In MUs (1)	Sales Figure for FY 2021-22 In MUs (2)	FY 2021-22 Target In MUs (3)	Backlog for FY 2020-21 (4)	Cumulative target for FY2021-22 (5)	First Quarter (April 2021- June 2021) In MUs (6)			Second Quarter (July 2021-September 2021) In MUs (7)			Third Quarter (October 2021-December 2021) In MUs (8)			Fourth Quarter (January 2022- March 2022) (9)			Total RPO Compliance In MUs (10)
					Generation	REC	Power Purchase	Generation	REC	Power Purchase	Generation	REC	Power Purchase	Generation	REC	Power Purchase	
Solar	4085.77	326.86	66.94	393.80	3.5	0	46.85	3.5	75	21.8	3.5	75	42.24	3.5	43	43.31	361.2
Non-Solar		367.72	0	367.72	0	0	98.99	0	0	139.94	0	23	50.37	0	0	55.37	367.67
Total		694.58	66.94	761.52	3.5	0	145.84	3.5	75	161.74	3.5	98	92.61	3.5	43	98.67	728.86

The Commission upon examining the action plan observes that the respondent no.1 will be able to meet its full Non-Solar RPO compliance if it succeeds in executing the action plan as submitted , however there will still be a shortfall of 32.6 MUs for the Solar RPO compliance and as a result there will be shortfall in the total compliance hence the Commission directs the respondent to ensure 100% compliance for both Solar and Non-Solar Renewable Purchase Obligations in the FY 2021-22 so that the total RPO targets as well as the backlog can be met.

2. ELECTRICITY DEPARTMENT, U.T PUDUCHERRY: RESPONDENT NO. 2

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

CUMULATIVE COMPLIANCE TILL FY 2020-21 INCLUDING BACKLOG: PUDUCHERRY

S.No	RPO Obligation	Sales figure for FY 2020-21 In MUs (Actual Sales)	RPO Target to be Met for FY 2020-21		Cumulative Target for FY 2020-21 including backlog (Till End of March 2021)	Total RPO Met from various sources for FY 2020-21 In MUs				(Excess)/Shortfall
			4	5		6	7	8	9	
			%	MU	MU	Generation	REC	Power Purchase	Total	
1	Solar	2806.29	6.10	171.18	483.68	11.53	0	0	11.53	472.15
2	Non-Solar		8	224.50	561.37	0	0	0	0	561.37
3	Total		14.10	395.69	1045	11.53	0	0	11.53	1033.46

The Commission observed that the total RPO target for FY 2020-21 was 395.69 MUs out of which only 11.53 MUs have been achieved. Further Non-Solar RPO compliance is NIL for the current financial year 2020-21. Considering the backlog from previous years the cumulative shortfall at the end of FY 2020-21 is 1033.46 MUs.

The respondent no. 2 submitted that they have signed Power Sale Agreements (PSA) with SECI & NTPC for a total of 490 MW out of which 250 MW is with respect to Solar RPO compliance and 240 MW is with respect to Non-Solar RPO compliance. However, due to COVID-19 and nationwide lockdown the commissioning of these plants has been delayed. Out of the 250 MW power plants for Solar RPO compliance, 100 MW Power Sale Agreement was signed with NTPC and the plant is expected to be commissioned by July 2021.

The respondent claimed that with all these power plants combined the total generation per year is close to 1000 MUs and hence the entire backlog for Solar RPO as well as Non-Solar RPO can be met once these power plants are operational.

The Commission enquired if the respondent has firm agreements with any sources as of today for compliance of their targets. The respondent informed that as of now they have no agreements for the same.

The respondent no. 2 submitted that under phase II of MNRE scheme, they have proposed to install 30 MW of Domestic solar rooftop plants in FY 2021-22. Also, WAREE has installed a 10 MW plant which will also contribute towards the RPO compliance. The respondent further mentioned that they are encouraging the consumers for solar rooftop plants as the respondent is not able to install ground mount projects because of land constraints. Therefore, the only option is either to purchase RECs or to purchase physical power for which the agreements are executed.

The Commission emphasized that the shortfall is huge and the respondent should expedite the process of purchasing of physical power available as submitted in order to fulfil the targets. The Commission also stressed that the respondent has been defaulting in compliance of targets since the past years and hence the backlog every year is becoming huge. As a result, the total target at the end of financial year 2021-22 will be 1504 MUs (inclusive of all the backlogs). If this continues then the Commission would be constraint to take appropriate legal action for non-compliance.

Further the action plan for FY 2021-22 as submitted by the respondent no. 2 is as tabulated below:

ACTION PLAN FOR FY 2021-22: PUDUCHERRY

RPO Obligation for FY 2021-22 (1)	Sales Figure for FY 2021-22 In MUs (2)	FY 2021-22 Target In MUs (3)	Backlog for the FY 2020-21 (4)	Cumulative target for the FY 2021-22 (5)	First Quarter (April 2021- June 2021) In MUs (6)			Second Quarter (July 2021-September 2021) In MUs (7)			Third Quarter (October 2021-December 2021) In MUs (8)			Fourth Quarter (January 2022- March 2022) (9)			Total RPO Compliance In MUs (10)
					Generation	REC	Power Purchase	Generation	REC	Power Purchase	Generation	REC	Power Purchase	Generation	REC	Power Purchase	
Solar	2772.33	221.79	472.154	693.94	7	0	0	7	0	0	8.8	0	0	8.8	0	0	31.6
Non-Solar		249.51	561.373	810.9	0	0	0	0	0	0	0	0	0	0	0	132	132
Total		471.3	1033.46	1504.76	7	0	0	7	0	0	8.8	0	0	8.8	0	132	163.6

The Commission observes that even if the respondent no. 2 is successful in achieving the targets as mentioned in the action plan, it will still have a considerable amount of backlog. Hence, the Commission expresses its displeasure and directs the respondent to increase its efforts in order to fulfil the targets of FY 2021-22 including backlog.

3. ELECTRICITY DEPARTMENT, DAMAN & DIU: RESPONDENT NO. 3

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

CUMULATIVE COMPLIANCE TILL FY 2020-21 INCLUDING BACKLOG: ED, DAMAN & DIU

S.No	RPO Obligation	Sales figure for FY 2020-21 In MUs (Actual Sales)	RPO Target to be Met for FY 2020-21		Cumulative Target for FY 2020-21 including backlog (Till End of March 2021)	Total RPO Met from various sources for FY 2020-21 In MUs				(Excess)/Shortfall
			%	MU		6	7	8	9	
1	2	3	4	5	6	7	8	9	10	11
			%	MU	MU	Generation	REC	Power Purchase	Total	
1	Solar	2084.46	6.10	127.15	311.85	28.66	0	7.98	36.64	275.21
2	Non-Solar		8.00	166.76	436.93	11.32	180	1.56	192.88	244.05
3	Total		14.10	293.91	748.74	39.98	180	9.54	229.52	519.22

The Commission observes that the respondent in the FY 2020-21 has poor compliance and this has resulted in a huge backlog for the current year. Only 36.64 MUs were achieved out of the total target of 311.85 MUs Solar RPOs (including backlog) for FY 2020-21 and only 192.88 MUs were achieved out of the total target of 436.93 MUs Non-Solar RPOs (including backlog) for FY 2020-21. As a result, there is a shortfall of 519.22 MUs of RPO obligation (Solar: 275.21 MUs & Non-Solar: 244.05 MUs).

The respondent no. 3 submitted that RECs were not available since July 2020 hence they were only able to purchase 192.88 MUs of REC with respect to Non-Solar RPO compliance. For Solar RPO compliance the respondent submitted that the Solar compliance for the year was 36.64 MUs.

The Commission emphasized on the fact that there is still huge backlog at the end of FY 2020-21. The respondent explained due to unavailability of RECs since the past year and also due to the fact that no approvals are being granted by the Administration for tying up with the new RE implementing agencies due to privatization, therefore there has been a huge backlog for the last year.

The Commission takes a serious note of the failure of respondent no.3 in achieving the targets for both Solar and Non-Solar RPOs for the past years and hereby directs to make good the cumulative shortfall in RPO compliance till FY 2021-22 preferably by procuring physical Renewable Energy power in every quarter of the FY 2021-22 failing which the Commission will be constraint to take an appropriate action.

Further the action plan for FY 2021-22 submitted by the respondent no. 3 is as tabulated below:

ACTION PLAN FOR THE FY 2021-22: ED, DAMAN & DIU

RPO Obligation for FY 2021-22 (1)	Sales Figure for FY 2021-22 In MUs (2)	FY 2021-22 Target In MUs (3)	Backlog for FY 2020-21 (4)	Cumulative Target for FY 2021-22 (5)	First Quarter (April 2021- June 2021) In MUs (6)			Second Quarter (July 2021-September 2021) In MUs (7)			Third Quarter (October 2021-December 2021) In MUs (8)			Fourth Quarter (January 2022- March 2022) (9)			Total RPO Compliance In MUs (10)
					Generation	REC	Power Purchase	Generation	REC	Power Purchase	Generation	REC	Power Purchase	Generation	REC	Power Purchase	
Solar	2598.61	207.89	275.21	483.1	12	0	5	15	48	10	15	48	10	15	48	10	236
Non-Solar		233.87	244.05	477.92	3	0	5	3	78	10	3	78	10	3	78	10	281
Total		441.76	519.22	961.02	15	0	10	18	126	20	18	126	20	18	126	20	517

The Commission upon examining the action plan observed that the respondent no.3 will not be able to meet the compliance and will have a shortfall of 444.02 MUs even if it succeeds in executing the action plan as submitted and directs the respondent to ensure 100% compliance of Renewable Purchase Obligations for the FY 2021-22 including the backlog for the previous years.

4. DNHPDCL, 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 RPO targets based on the latest figures of sales available, which are summarized below:

CUMULATIVE COMPLIANCE TILL FY 2020-21 INCLUDING BACKLOG: DNHPDCL

S.No	RPO Obligation	Sales figure for FY 2020-21 In MUs (Actual Sales)	RPO Target to be Met for FY 2020-21		Cumulative Target for FY 2020-21 including backlog (Till End of March 2021)	Total RPO Met from various sources for FY 2020-21 In MUs				(Excess)/Shortfall
			%	MU		MU	Generation	REC	Power Purchase	
1	2	3	4	5	6	7	8	9	10	11
			%	MU	MU	Generation	REC	Power Purchase	Total	
1	Solar	5142.88	6.10	313.72	577.44	19.95	0	28.73	54.90	522.54
2	Non-Solar		8.00	411.43	823.04	0	0	26.28	26.28	796.76
3	Total		14.10	725.15	1400.48	19.95	0	55.00	81.18	1319.3

The Commission observes that there is a shortfall of 1319.3 MUs (including backlog) for the FY 2020-21. The Target (including backlog) for Solar RPO was 577.44 MUs out of which only 54.90 MUs was achieved, for Non-Solar RPO the target including backlog was 823.04 MUs and only 26.28 MUs was achieved with the total achievement for the financial year being only 81.18 MUs.

Respondent no.4 submitted that since RECs were not available since July 2020, there has been shortfall in RPO compliance. The respondent also informed that although Power Purchase Agreement of 50MW has been signed with SECI, however the installation has not been materialized because of issues pertaining with land and therefore power has not been received. The respondent further mentioned that they are trying to buy power from IEX and are also ready to sign bilateral short-term power purchase agreements with generators supplying Solar and Non-Solar power.

The respondent further mentioned that in the matter of compliances of RPO through the physical power by entering the PPA (Power Purchase Agreement). The "RfP" issued for the privatization of electricity distribution business for the area of DNH & DD provided for transfer of all existing PPA in favour of new private entity. Further the list of all existing PPA was published as part of information to the "RfP" to facilitate the said privatization process. If any new PPA is entered, then, there is risk or possibility that the new private entity will not accept the said PPA for its assignment in the business transfer process. Presently the same is the bottleneck and the RPO compliances may be ensured either through power from open market wherein the quantity is limited or through REC.

The Commission enquired the achievement in the first two months of the I quarter of FY 2021-22. The respondent informed that in the month of May the Solar power purchased was 7.5 MUs and in the month of April the Solar power purchased was 1.01 MUs. In terms of the generation from the 40 MW solar power plants installed, the generation is 11 MUs. Hence the total Solar RPO for the first two months for FY 2021-22 (I quarter) is 19.5 MUs. In case RECs are available this year 100% compliance will be achieved for both Solar and Non-Solar RPOs including backlog.

The Commission directs the Respondent no. 4 to make good the cumulative shortfall in RPO Compliance up to FY 2021-22 preferably by procuring physical renewable power. In case of non-availability of physical power, RECs should be purchased from Power Exchanges by bidding sensibly to achieve the targets. The Commission further directs the respondent not to depend only on RECs for fulfillment of the RPO targets as the availability is uncertain.

Further the respondent no.4 has submitted the action plan for the FY 2021-22 which is as tabulated below:

ACTION PLAN FOR THE FY 2021-22: DNHPDCL

RPO Obligation for FY 2021-22 (1)	Sales Figure for FY 2021-22 In MUs (2)	FY 2021-22 Target In MUs (3)	Backlog for FY 2020-21 (4)	Cumulative Target for FY 2021-22 (5)	First Quarter (April 2021- June 2021) In MUs (6)			Second Quarter (July 2021-September 2021) In MUs (7)			Third Quarter (October 2021-December 2021) In MUs (8)			Fourth Quarter (January 2022- March 2022) (9)			Total RPO Compliance In MUs (10)
					Generation	REC	Power Purchase	Generation	REC	Power Purchase	Generation	REC	Power Purchase	Generation	REC	Power Purchase	
Solar	6540.77	523.26	522.54	1045.8	16	222.33	25	16	222.33	25	16	222.33	25	16	222.33	25	1053.32
Non-Solar		588.67	796.76	1385.43	0	329.45	20	0	329.45	20	0	329.45	20	0	329.45	20	1397.80
Total		1111.93	1319.5	2431.23	16	551.78	45	16	551.78	45	16	551.78	45	16	551.78	45	2451.12

The Commission upon examining the action plan observes that the respondent no.4 will be able to meet the compliance if it succeeds in executing the action plan as submitted and directs the respondent to ensure 100% compliance of Renewable Purchase Obligations for the FY 2021-22 including the backlog for the previous years.

5. ELECTRICITY DEPARTMENT, U.T CHANDIGARH: 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 available, which are summarized below:

CUMULATIVE COMPLIANCE TILL FY 2020-21 INCLUDING BACKLOG: CHANDIGARH

S.No	RPO Obligation	Sales figure for FY 2020-21 In MUs (Actual Sales)	RPO Target to be Met for FY 2020-21		Cumulative Target for FY 2020-21 including backlog (Till End of March 2021)	Total RPO Met from various sources for FY 2020-21 In MUs				(Excess)/Shortfall In MUs
			4	5		6	7	8	9	
1	2	3	%	MU	MU	Generation	REC	Power Purchase	Total	11
1	Solar	278.96	6.10	17.02	17.02	0	0	50.72	50.72	(33.70)
2	Non-Solar		8	38.21	24.02	0	0	0	0	24.02
3	Total		14.10	39.33	41.04	0	0	50.72	50.72	(9.68)

The Commission observed that the respondent has overachieved the Solar RPO target in FY 2020-21 by (33.70) MUs. Although the Commission appreciates the efforts of the department in achieving the complete target for the FY 2020-21, however the Commission also observes that there is NIL compliance in terms of Non-Solar RPO targets and as a result the entire Non-Solar target of 24.02 MUs has been fulfilled by Solar RPO only.

The respondent explained that due to the unavailability of RECs since last year the Non-Solar compliance has been NIL for this year. However, the respondent has signed Power Sale Agreement with Adani through SECI for non-solar power generation(Wind Power) which has started from May 2021. Hence in the FY 2021-22 the target for the year and backlog for FY 2020-21 in terms of Non-Solar RPO will also be fully complied for.

Considering the efforts in complying with the Solar RPO targets and as per the JERC (For the state of Goa and Union Territories) (Procurement of Renewable Energy) Regulations, 2010 regarding Renewable Purchase Obligation (RPO) and as amended, the Commission has adjusted the overachievement in Solar RPO with that of the total RPO compliance and hence the RPO compliance is achieved with an overachievement of (9.68) MUs which shall lapse in FY 2020-21 and shall not be carry forwarded in the next year.

The Commission further enquired the achievement in the first two months of the I quarter of FY 2021-22. The respondent submitted that during the month of May 2021, Non-Solar RPO achieved was 9 MUs and the figures are yet to be calculated for Solar RPO.

The Commission appreciates the efforts of the respondents to comply with the Solar RPO targets and directs the respondents to continue its efforts for 100% compliance of Solar RPO and to achieve the Non-Solar RPO targets also.

Further the action plan submitted for FY 2021-22 submitted by the respondent no. 5 is as tabulated below:

ACTION PLAN FOR THE FY 2021-22: CHANDIGARH

RPO Obligation for FY 2021-22 (1)	Sales Figure for FY 2021-22 In MUs (2)	FY 2021-22 Target In MUs (3)	Backlog for FY 2020-21 (4)	Cumulative Target for FY 2021-22 (5)	First Quarter (April 2021- June 2021) In MUs (6)			Second Quarter (July 2021-September 2021) In MUs (7)			Third Quarter (October 2021-December 2021) In MUs (8)			Fourth Quarter (January 2022- March 2022) (9)			Total RPO Compliance In MUs (10)
					Generation	REC	Power Purchase	Generation	REC	Power Purchase	Generation	REC	Power Purchase	Generation	REC	Power Purchase	
Solar	498.05	39.84	0	39.84	0	0	4.84	0	0	2.56	0	0	4.07	0	0	39.25	50.72
Non-Solar		44.82	0	44.82	0	0	29.07	0	0	29.07	0	0	29.07	0	0	29.07	116.28
Total		84.66	0	84.66	0	0	33.91	0	0	31.63	0	0	33.14	0	0	68.32	167

The Commission upon analyzing the data submitted for the action plan observes that the respondent will be able to achieve the entire target for FY 2021-22 if it succeeds in achieving the action plan as submitted. The Commission directs the respondent to continue to achieve the Solar and Non-Solar RPO targets.

6. ELECTRICITY DEPARTMENT, U.T ANDAMAN & NICOBAR ISLANDS: 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 available, which are summarized below:

CUMULATIVE COMPLIANCE TILL FY 2020-21 INCLUDING BACKLOG: ANDAMAN & NICOBAR ISLANDS

S.No	RPO Obligation	Sales figure for FY 2020-21 In MUs (Actual Sales)	RPO Target to be Met for FY 2020-21		Cumulative Target for FY 2020-21 including backlog (Till End of March 2021)	Total RPO Met from various sources for FY 2020-21 In MUs				(Excess)/Shortfall In MUs
			%	MU		Generation	REC	Power Purchase	Total	
1	2	3	4	5	6	7	8	9	10	11
			%	MU	MU	Generation	REC	Power Purchase	Total	
1	Solar	232.54	6.10	14.18	17.78	0.020	0	21.005	21.025	(3.24)
2	Non-Solar		8	18.6	30.7	11.110	0	0	11.110	19.59
3	Total		14.10	32.78	48.48	11.130	0	21.005	32.135	16.35

The Commission observed that the respondent no.6 has overachieved in its Solar RPO compliance by (3.24) MUs. However, the Non-Solar RPO target has not been met satisfactorily, out of the total target of 30.7 MUs only 11.11 MUs have been achieved. As per the JERC (For the state of Goa and Union Territories) (Procurement of Renewable Energy) Regulations, 2010 regarding Renewable Purchase Obligation (RPO) and as amended the overachievement in Solar RPO has been adjusted with the total RPO achievement for the FY 2020-21.

The respondent mentioned that for Non-Solar RPO compliance they only have a hydro power plant at Kalpam. In terms of Solar RPO compliance the respondent plans on adding floating solar plants which due to nationwide lockdown has not been commissioned. However, the total RPO targets can be met through these commitments.

The Commission further enquired the achievement in the first two months of the I quarter of FY 2021-22. The respondent submitted that in terms of Solar the compliance was satisfactory however in terms of Non-Solar since the hydro power plant at Kalpam is a rain fed dam and generates 10% of its power hence the compliance is less for the first two months. However, the plant is now generating satisfactorily due to the arrival of monsoon.

Further the action plan for FY 2021-22 submitted by the respondent no. 6 is as tabulated below:

ACTION PLAN FOR FY 2021-22: ANDAMAN & NICOBAR ISLANDS

RPO Obligation for FY 2021-22 (1)	Sales Figure for FY 2021-22 In MUs (2)	FY 2021-22 Target In MUs (3)	Backlog for FY 2020-21 (4)	Cumulative target for FY 2021-22 (5)	First Quarter (April 2021- June 2021) In MUs (6)			Second Quarter (July 2021-September 2021) In MUs (7)			Third Quarter (October 2021-December 2021) In MUs (8)			Fourth Quarter (January 2022- March 2022) (9)			Total RPO Compliance In MUs (10)
					Generation	REC	Power Purchase	Generation	REC	Power Purchase	Generation	REC	Power Purchase	Generation	REC	Power Purchase	
Solar	231.95	18.56	0	18.56	0	0	5.82	0.002	0	6.24	0.008	0	4.917	0.008	0	6.80	23.799
Non-Solar		20.88	16.35	37.23	2.44	0	0	4.65	0	0	4.3	0	0	2.4	0	0	13.793
Total		39.43	16.35	55.79	2.44	0	5.82	4.652	0	6.24	4.308	0	4.917	2.408	0	6.80	37.592

The Commission observes that even if the respondent is able to achieve the targets given in action plan it will still not be able to achieve the entire target for FY 2021-22 including the backlog from previous years, hence the Commission directs the respondent to make all out efforts to meet the

targets individually for Solar and Non-Solar in the FY 2021-22 and also the backlog up to FY 2021-22 with the upcoming plants and commitments signed up by the respondent so that the respondent has complete compliance at the end of FY 2021-22.

7. ELECTRICITY DEPARTMENT, U.T LAKSHADWEEP: Respondent No. 7

The Commission examined the report submitted by respondent no. 7 and has calculated the RPO targets based on the latest figures of sales available, which are summarized below:

CUMULATIVE COMPLIANCE TILL FY 2020-21 INCLUDING BACKLOG: LAKSHADWEEP

S.No	RPO Obligation	Sales figure for FY 2020-21 In MUs (Actual Sales)	RPO Target to be Met for FY 2020-21		Cumulative Target for FY 2020-21 including backlog (Till End of March 2021)	Total RPO Met from various sources for FY 2020-21 In MUs				(Excess)/Shortfall
			%	MU		MU	Generation	REC	Power Purchase	
1	2	3	4	5	6	7	8	9	10	11
			%	MU	MU	Generation	REC	Power Purchase	Total	
1	Solar	50.86	6.00	3.1	4.9	0.45	0	0	0.45	4.45
2	Non-Solar		8.10	4.07	12.37	0	0	0	0	12.37
3	Total		14.10	7.17	17.17	0.45	0	0	0.45	16.72

The Commission observed that the Respondent No. 7 has not been able to meet the Solar and Non-Solar Targets for the FY 2020-21 and hence has a cumulative shortfall of 16.72 MUs (4.45 MUs of Solar and 12.37 MUs for Non-Solar).

The respondent no. 7 submitted that they have signed MoUs and Power Purchase Agreements with SECI for solar in Kavaratti and Agatti. However, they have not been materialized due the pandemic COVID-19 and nationwide lockdown thereof. SECI has informed that the solar plants at these locations will be commissioned by October- November 2021. Hence only then the targets including backlog can be achieved.

The Commission further enquired if any achievement has been made in the first two months of the I quarter of FY 2021-22. The respondent mentioned that since SECI has not confirmed the commissioning of 1.7 MWs of solar plants at Kavaratti and Agatti, hence the compliance will be done through those plants for the FY 2021-22. For the Phase II the administration of Lakshadweep has decided to put on hold the projects of SECI for the remaining islands since SECI has not been able to commission any project.


The Commission expressed its displeasure towards the underachievement of the RPO targets and also mentioned that due to the year-on -year non-compliance the total target at the end of FY 2021-22 including backlog will be massive.

Further the action plan for FY 2021-22 has not been submitted by the respondent no. 7, the respondent no. 7 is directed to submit its action plan within a week from issue of this order.

Ordered Accordingly.

**Sd/-
(M.K Goel)
CHAIRPERSON**

Certified Copy


**(Rakesh Kumar)
Secretary**