



PLF of bagasse-based power plants has reduced considerably. Therefore, the Petitioner is unable to meet the RPO targets and to clear the RPO backlog

### Commission's View

7. The Commission after hearing the Petitioner and considering the submissions made on record has analyzed the details provided by UPPCL. Accordingly, the Commission observed that the status of RPO compliance is as follows:

#### **A. Solar Compliance**

Table 5: Commission approved Solar Compliance of UPPCL

Financial Year	Quantum of Energy consumed at discom end*	Consumption from Hydro Power Purchase	Energy to be considered for RPO	Target (Solar)	Target (Solar)	Solar Energy Purchased	Cumulative Target	Cumulative Target Achieved	Cumulative excess /(shortfall)
FY	(in MU)	(in MU)	(in MU)	(%)	(in MU)	(in MU)	(in MU)	(in MU)	(in MU)
	A	B	C=A-B	D	E=C*D	F	G	H	I
2018-19	1,08,328.88	13,000.00	95,328.88	1.00%	953.29	1270.00	6545.85	2824.57	(3721.28)
2019-20	1,12,224.92	13,670.04	98,554.88	2.00%	1971.10	2525.92	8516.94	5350.49	(3166.45)
2020-21	1,11,785.00	12,808.46	98,976.54	3.00%	2969.30	3949.00	11486.24	9299.49	(2186.75)

#### **B. Non - Solar Compliance**

Table 6: Commission approved Non- Solar Compliance of UPPCL

Financial Year	Quantum of Energy consumed at discom end*	Consumption from Hydro Power Purchase	Energy to be considered for RPO	Target (nonSolar)	Target (non Solar)	NON Solar Energy Purchased	Cumulative Target	Cumulative Target Achieved	Cumulative excess /(shortfall)
FY	(in MU)	(in MU)	(in MU)	(%)	(in MU)	(in MU)	(in MU)	(in MU)	(in MU)
	A	B	C=A-B	D	E=C*D	F	G	H	I
2018-19	1,08,328.88	13,000.00	95,328.88	5.00%	4766.44	4720.88	35693.38	28504.39	(7188.99)
2019-20	1,12,224.92	13,670.04	98,554.88	5.00%	4927.74	4679.69	40621.12	33184.08	(7437.04)
2020-21	1,11,785.00	12,808.46	98,976.54	6.00%	5938.59	3806.00	46559.71	36990.08	(9569.63)

#### **C. HPO Compliance**

Table 7: Commission approved HPO compliance of UPPCL

Financial Year	Quantum of Energy consumed at discom end*	Consumption from Hydro Power Purchase	Energy to be considered for RPO	Target (HPO)	Target (HPO)	HPO Energy Purchased	Cumulative Target	Cumulative Target Achieved	Cumulative excess /(shortfall)
FY	(in MU)	(in MU)	(in MU)	(%)	(in MU)	(in MU)	(in MU)	(in MU)	(in MU)
	A	B	C=A-B	D	E=C*D	F	G	H	I
2018-19	1,08,328.88	13,000.00	95,328.88				0.00	0	0.00
2019-20	1,12,224.92	13,670.04	98,554.88	1.00%	985.55	0.00	985.55	0	(985.55)
2020-21	1,11,785.00	12,808.46	98,976.54	2.00%	1979.53	128.00	2965.08	128.00	(2837.08)







8. In view of significant increase in Non-Solar RPO and HPO, the Commission directs UPPCL to revisit their renewable power purchase strategy and further the Commission in exercise of the powers conferred under Regulations 18 & 19 of UPERC (Promotion of Green Energy through Renewable Purchase Obligation) Regulations, 2010 directs UPPCL to deposit the amount equivalent to the product of respective shortfall in units of Renewable Energy Purchase Obligation till FY 2020-21 and corresponding rate @ Rs. 1.00/- per unit in RPO fund/ account so created. Accordingly, the amount computed is as below: -

Table 8: Details of RPO compliance till FY 2020-21 and its corresponding amount to deposit

S.no	Parameter	Shortfall till FY 2020-21 (in MUs)	Amount @ Rs.1.00/unit (in Rs. Crores)
1.	Solar RPO	2186.75	218.67
2.	Non Solar RPO	9569.63	956.96
3.	HPO	2837.08	283.71
4.	Total	14593.46	1459.34

9. In order help the Discoms to achieve the RPO targets in FY2021-22, the Commission has considered the data submitted by Discoms in their ARR & Tariff Petition for FY 2021-22. Accordingly, the Commission has provisionally computed the requirement of renewable energy based on quantum of energy at Discom Periphery and projected consumption from Hydro power Purchase for FY 2021-22 as per the data submitted by the Discoms. Therefore, UPPCL to deposit the amount equivalent to the product of RPO target in units for FY 2021-22 and corresponding rate @ Rs. 4.37/- per unit (i.e. APPC rate of State owned Discoms for FY 2020-21 as approved by the Commission in Tariff Order dated 10.11.2020 for FY 2020-21). Therefore, RPO requirement for FY 2021-22 and amount computed is as follows:

Table 9 : Details of RPO target for FY 2021-22 and its corresponding amount to deposit

S.No	Parameter	Quantum of Energy consumed at discom end*	Consumption from Hydro Power Purchase	Energy to be considered for RPO	Target	Target	Amount @ Rs. 4.37/ unit
		(in MU)	(in MU)	(in MU)	(%)	(in MU)	(in Rs. Crore)
1.	Solar RPO	114689.47	12853.401	101836.07	0.04	4073.44	1780.09
2.	Non Solar RPO	114689.47	12853.401	101836.07	0.06	6110.16	2670.14
3.	HPO	114689.47	12853.401	101836.07	0.03	3055.08	1335.07
4.	Total					13238.69	5785.31

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