

**PUNJAB STATE ELECTRICITY REGULATORY COMMISSION
SITE NO. 3, SECTOR 18-A, MADHYA MARG, CHANDIGARH**

**Petition No. 06 of 2019
Date of Order:04.09.2019**

In the matter of: Petition under Section 86(1) (e) of the Electricity Act, 2003 read with Regulation 3,7, Regulation 9 and Regulation 10 of the PSERC (Renewable Purchase Obligation and its compliance) Regulations, 2011 seeking rectification of the quantum of renewable energy procured by the Petitioner, Punjab State Power Corporation Limited as accounted towards the Renewable Purchase Obligation of the Petitioner

AND

In the matter of: Punjab State Power Corporation Limited, The Mall, Patiala-147001.

Present: Ms. Kusumjit Sidhu, Chairperson
Sh. S.S. Sarna, Member
Ms. Anjali Chandra, Member

ORDER

Punjab State Power Corporation Limited (PSPCL) has filed this petition seeking rectification of the quantum of Renewable Energy procured by the petitioner as accounted towards the Renewable Purchase Obligation (RPO) of the petitioner, both solar and non solar w.e.f FY 2011-12 to FY 2017-18. Petitioner has submitted that it has made an inadvertent error in the quantum of renewable energy considered as procured by the Petitioner by erroneously reducing the amount on account of the netting off the electricity procured by the Petitioner from the generating stations against the electricity supplied by the Petitioner to the generating stations during shut-down.

1.2 The petition was taken up on 26.03.2019 for admission wherein the Commission admitted the petition and issued notice to Punjab Energy Development Agency (PEDA) and directed PEDA to file reply to the petition. The Commission further held that a public notice inviting the objections/suggestions from the persons/organizations, having interest in the matter as required under Regulation 67 of the Punjab State Electricity Regulatory Commission (Conduct of Business) Regulations, 2005, be published and posted the matter for hearing on 24.04.2019.

1.3 In compliance of Order dated 26.03.2019, notice to PEDA was issued vide memo No. 3335, dated 28.03.2019. PEDA filed its reply vide Letter dated 09.04.2019 which was taken on record vide Order dated 25.04.2019. PEDA has submitted that as per the PPA entered between the parties, PSPCL itself has duly agreed to set off the import against export of energy. Since so long it is PSPCL who is making the calculations in terms of the clauses of the PPA while setting off the energy consumed by the generator vis a vis the RE power supplied by the generator to PSPCL and therefore, the relief claimed by PSPCL appears to be an afterthought and is also hit by the law of limitation being a time barred claim.

1.4 PSPCL filed its rejoinder vide memo no 5132, dated 21.05.2019 and submitted that reply filed by PEDA proceeds on a different issue which is not correct and is based on an erroneous understanding of the facts and law involved and further submitted that the instant petition was filed on the limited point that the computation of data for the purpose of RPO by the petitioner was erroneous in as much as the energy exported by the petitioner to the generators was being deducted from the renewable energy generated by the generators and the petitioner is not seeking any

adjudication of disputes under the PPA. The contention of PEDDA that the procedure for netting off of the energy purchased by the petitioner from the generators with that of the energy as exported by the petitioner to the generators has been agreed by the petitioner in the respective PPAs with the RE generators, is not being disputed by the petitioner and PSPCL submitted that PEDDA has misunderstood the submissions and prayers of the petitioner.

1.5 In compliance of Orders dated 26.03.2019 and 25.04.2019, respectively the public notice was published on 25.05.2019 in Newspapers namely The Tribune, Punjab Kesri, Ajit and Times of India for hearing of the petition as well as for public hearing to be held on 19.06.2019. The petition was taken up for hearing as well for public hearing on 19.06.2019 wherein, except the parties to the petition, none appeared in response to the public notice. After hearing the parties, the Order was reserved.

1.6 PSPCL vide memo no 5327 dated 04.07.2019 intimated that 3,46,762 nos. of Non-Solar RECs have been purchased by PSPCL on 26.06.2019 and the net Non-Solar RPO short fall upto FY 2018-19 has been complied. It was further intimated that this compliance has been done with regards to the directions issued by the Commission vide its Tariff Order FY 2019-20 dated 27.05.2019 that PSPCL has to comply with the net Non- Solar RPO shortfall of 557.88 MUs pertaining to FY 2018-19 after adjusting surplus Solar renewable energy of 581.42 MU, upto the end of the first quarter of FY 2019-20 i.e. 30.06.2019 or within 60 days of issue of the Tariff Order FY 2019-20 dated 27.05.2019, whichever is later. Further, PSPCL submitted that the outcome of the instant petition is awaited wherein PSPCL has requested to adjust 106.118 MUs. If the Commission allows this correction of data then the net Non

Solar shortfall ending FY 2018-19 will be 105 MUs (557.88-106.118-346.762) which is equivalent to 1,05,000 nos. of Non-Solar RECs. After considering the said purchase and in order to comply with the Commission's Order, the decision on the instant petition is required to calculate the exact shortfall ending FY 2018-19 and the corresponding number of RECs, so that the remaining RECs can be purchased within 2 months as RECs are traded once in a month. PSPCL has prayed to grant extension of two months to PSPCL for purchasing the remaining number of RECs as per the said calculation.

PSPCL's Submissions:

2. The submissions made by PSPCL in the petition are summarized herein. The Commission has notified the Punjab State Electricity Regulatory Commission (Renewable Purchase Obligation and its compliance) Regulations, 2011 (**Regulations**) under Section 86(1) (e), inter-alia, providing for the quantum of electricity to be procured by the Petitioner from renewable energy sources. The obligation under Section 86(1)(e) and the Regulations is for the procurement of renewable energy generated by the generator.

2.1 While there has been shortfall in the procurement of Renewable Energy and to the extent of such shortfall, the Commission directed to carry forward the shortfall to be fulfilled in the subsequent years and in this regard, the following is relevant:

(a) Vide Order dated 04.05.2012 passed in Petition No. 7 of 2012, the Commission allowed PSPCL to carry forward the shortfall in RPO compliance on actual basis {285.35 MU (Non-Solar) and 7.79 MU (Solar)} of FY 2011-12 to FY 2012-13.

(b) Vide Order dated 12.08.2013 passed in Petition No. 36 of 2013, the Commission had allowed PSPCL to carry forward the shortfall in RPO Compliance of 114.80 MU (Non-Solar) & 25.78 MU (Solar) of FY 2012-13 to FY 2013-14.

(c) Vide Order dated 05.09.2014 passed in Petition No. 34 of 2014 the Commission had allowed PSPCL to carry forward the shortfall in RPO Compliance of 50.67 MU (Non-Solar) & 36.59 MU (Solar) of FY 2013-14 to FY 2014-15.

(d) Vide Tariff Order dated 09.11.2017, the Commission reviewed its Order dated 28.07.2015 passed in Petition No. 38 of 2015 and had allowed PSPCL to carry forward the shortfall in RPO Compliance of 718.44 MU (Non-Solar) & 9.46 MU (Solar) of FY 2014-15 to FY 2015-16.

(e) The Commission reviewed its Order dated 21.03.2017 passed in Petition No. 61 of 2016 {filed by PSPCL allowing carry forward of the shortfall of 1498.56 MU (Non-Solar) and 77.09 MU (Solar) of FY 2015-16 to FY 2016-17} vide its Tariff Order dated 09.11.2017 for PSPCL and had allowed PSPCL to carry forward the shortfall in RPO Compliance of 1456.08 MU (Non-Solar) & 89.16 MU (Solar) of FY 2015-16 to FY 2016-17.

(f) Existing data of RPO compliance for the FY 2016-17 has been taken from the true-up for FY 2016-17 approved by the Commission vide its Tariff Order for FY 2018-19 for PSPCL. The Commission reviewed its Order dated 16.03.2018 passed in Petition No. 51 of 2017 (filed by PSPCL allowing carried forward of the shortfall of FY 2016-17 to FY 2017-18) vide its Tariff Order for FY 2018-19 for PSPCL and allowed PSPCL to carry forward the shortfall in RPO Compliance of 1846.69 MU (Non-Solar) after adjustment of excess Solar RPO against Non-Solar RPO shortfall of FY 2016-17 to FY 2017-18.

(g) True-up for FY 2017-18 is under approval of the Commission, Therefore, figures (data) for FY 2017-18 have been taken as per the PSERC Order dated 21.12.2018 passed in Petition No. 34 of 2018 (filed by PSPCL allowing carried forward of the shortfall of FY 2017-18 to FY 2018-19) wherein PSPCL was allowed to carry forward the shortfall in RPO Compliance of 931.08 MU (Non-Solar) after adjustment of excess Solar RPO against Non-Solar RPO shortfall of FY 2017-18 to FY 2018-19. In terms of this the data submitted to the commission year wise from FY 2011-12 to FY 2017-18 is as below:

Sr. No	Description	Renewable Purchase Obligation/Compliance						
		2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18
1	Input Energy (MUs)	41530	43548	42726	45702	46846	49922.74 (for Non-Solar) 37367.77 (for Solar)	53155.26 (for Non-Solar) 39676.44 (for Solar)
RPO Targets in %age of Input Energy specified by PSERC								
2	i) Non-Solar(%)	2.37	2.83	3.37	3.81	3.9	4.1	4.2
	ii) Solar(%)	0.03	0.07	0.13	0.19	1	1.3	1.8
RPO Targets in MUs as per specified %age of Input Energy								
3	i) Non-Solar(Mus)	984.26	1232.41	1439.87	1741.25	1826.99	2046.83	2232.52
	ii) Solar(Mus)	12.46	30.48	55.54	86.83	468.46	485.78	714.18
Non-Solar RE Power purchase in MUs								
4	i) Long Term	615.583	817.982	968.466	1073.48	1089.35	1174.78	1331.39
	ii) Short Term	83.327	299.628	52.204	0	0	0	992.240
	iii) RECs purchased (Equivalent Energy)	0	285.35	483.33	0	0	66.67	61.751
	Total	698.91	1402.96	1504	1073.48	1089.35	1241.45	2385.38
Solar RE Power purchase in MUs								
5	i) Long Term	4.67	12.49	44.75	113.96	388.76	963.14	1432.07
	ii) Short Term	0	0	0	0	0	0	0
	iii) Net Metering	0	0	0	0	0	26.57	44.86
	iv) RECs purchased (Equivalent Energy)	0	0	0	0	0	0	0
	Total	4.67	12.49	44.75	113.96	388.76	989.71	1476.93
Current Year Shortfall in MUs								
6	i) Non-Solar	-285.35	170.55	64.13	-667.77	-737.64	-805.38	152.86
	ii) Solar	-7.79	-17.99	-10.79	27.13	-79.70	503.93	762.75
Carry forward of previous Financial Year								
7	i) Non-Solar(MUs)	0.00	-285.35	-114.80	-50.67	-718.44	-1456.08	-1846.69
	ii) Solar(MUs)	0.00	-7.79	-25.78	-36.59	-9.46	-89.16	0.00

8	Comulative Shortfall in RPO Compliance						After adjustment of excess Solar in Non-Solar	After adjustment of excess Solar in Non-Solar
	i) Non-Solar(MUs)	-285.35	-114.80	-50.67	-718.44	-1456.08	-1846.69	-931.08
	ii) Solar(MUs)	-7.79	-25.78	-36.58	-9.46	-89.16	0	0

2.2 The methodology for computation of data by PSPCL was erroneous, in as much as the energy exported by PSPCL to the generator was being deducted from the renewable energy generated by the generators. This was an inadvertent error in the reporting of the energy available from renewable energy sources for the purpose of compliance of the RPO. The energy so supplied by PSPCL to the generator during shutdown is not of renewable nature and such energy cannot reduce the total energy generated by the generator to PSPCL. The total energy which is injected into the system for the benefit of PSPCL is the renewable energy which is procured by PSPCL from the generator which is to be accounted along with netting off, being irrelevant for compliance of the RPO. PSPCL has revised its data as per Export Reading of Energy Meters of projects supplying energy to PSPCL w.e.f FY 2011-12 to FY 2017-18. In terms of this, the Financial year-wise data as per Export Reading from FY 2011-12 to FY 2017-18 is as below:

Sr. No	Description	Renewable Purchase Obligation/Compliance						
		2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18
1	Input Energy (MUs)	41530	43548	42726	45702	46846	49922.74 (for Non-Solar) 37367.77 (for Solar)	53155.26 (for Non-Solar) 39676.44 (for Solar)
2	RPO Targets in %age of Input Energy specified by PSERC							
	i) Non-Solar(%)	2.37	2.83	3.37	3.81	3.9	4.1	4.2
	ii) Solar(%)	0.03	0.07	0.13	0.19	1	1.3	1.8
3	RPO Targets in MUs as per specified %age of Input Energy							
	i) Non-Solar(Mus)	984.26	1232.41	1439.87	1741.25	1826.99	2046.83	2232.52

	ii) Solar(Mus)	12.46	30.48	55.54	86.83	468.46	485.78	714.18
	Non-Solar RE Power purchase in MUs							
4	i) Long Term	656.697	831.322	983.560	1053.637	1091.232	1218.031	1334.905
	ii) Short Term	83.327	299.628	52.204	0	0	0	992.240
	iii) RECs purchased (Equivalent Energy)	0	285.350	483.330	0	0	66.67	61.751
	Total	740.025	1416.301	1519.094	1053.637	1091.232	1284.701	2388.897
	Solar RE Power purchase in MUs							
5	i) Long Term	4.080	12.244	44.675	116.093	391.907	946.996	1440.959
	ii) Short Term	0	0	0	0	0	0	0
	iii) Net Metering	0	0	0	0	0	26.570	55.490
	iv) RECs purchased (Equivalent Energy)	0	0	0	0	0	0	0
	Total	4.080	12.244	44.675	116.093	391.907	973.566	1496.449
	Current Year Shortfall in MUs							
6	i) Non-Solar	-244.235	183.89	79.224	-687.613	-735.758	-762.129	156.377
	ii) Solar	-8.38	-18.24	-10.865	29.263	-76.553	487.786	782.269
	Carry forward of previous Financial Year							
7	i) Non-Solar(MUs)	0.00	-244.235	-60.345	18.879	-668.734	-1404.492	-1763.608
	ii) Solar(MUs)	0.00	-8.38	-26.620	-37.485	-8.22	-84.773	0.00
8	Comulative Shortfall in RPO Compliance						After adjustment of excess Solar in Non-Solar	After adjustment of excess Solar in Non-Solar
	i) Non-Solar(MUs)	-244.235	-60.345	18.879	-668.734	-1404.492	-1763.608	-824.962
	ii) Solar(MUs)	-8.38	-26.62	-37.485	-8.22	-84.773	0	0

The Net shortfall in Non-Solar RPO after adjusting the excess Solar against Non-Solar at the end of FY 2017-18 comes 824.962 MU instead of 931.08 MU.

2.3 PSPCL submitted that the correction so made will not prejudice any person as the issue involved is about compliance with the RPO and the quantum of the energy generated by the renewable energy generators. The only question is the quantum which is to be accounted for and the correction of the computation without in any manner revising the RPO targets which were to be achieved. For this reason, PSPCL has prayed to the Commission to adopt the shortfall in the RPO of 824.962 MU for the period till 2017-18 as per export

reading of the energy meters of the projects as against the quantum of 931.08 MU presently computed.

PEDA's submissions:

3. The submissions made by PEDA in its reply to the petition are summarised herein. The procedure of setting off the energy purchased with the energy consumed by the RE project developers (both co-gen/IPP) has been agreed by PSPCL in the PPA entered between the two parties and PSPCL should not be permitted to act contrary to the terms of the PPA already entered with the RE project developers, under the garb of the relief claimed in the instant Petition. PSPCL has been unwilling to purchase RE power and has been objecting to the installation of biomass power projects, and not entering into PPAs w.r.t the allocated projects under Phase-II thus leading to the cancellation of the Phase-III process. The power supplied by PSPCL to the RE generator is conventional in nature, however, the energy supplied by RE generator to PSPCL is green energy. PSPCL has repeatedly on one pretext or the other been seeking carry forward of RPO from the Commission. PEDA prayed to the Commission that under no circumstances should PSPCL be permitted to travel beyond/contrary to the terms of the PPA already signed with the RE generator.

PSPCL's Rejoinder:

4. In its rejoinder to PEDA's reply, PSPCL stated that the issue of digressing from the PPA or any non-performance as raised by PEDA is misconceived and is not the issue in the present Petition and the submission with respect to the relief sought by the Petitioner being hit by limitation is misconceived. The present

Petition is not in the nature of a lis between parties or seeking any adjudication of disputes with any party to which limitation applies, but is merely a regulatory issue of compliance with RPO targets of the Petitioner. PSPCL quoted the judgment passed by the Hon'ble Supreme Court in *Andhra Pradesh Power Co-ordination Committee and Others versus Lanco Kondapalli Power Limited and Others* in *this* regard while concluding that the issue of limitation would not arise in the present case, which attracts only the regulatory intervention of the Commission, and not the adjudicatory functions under Section 86(1)(f) of the Electricity Act, 2003.

4.1 PSPCL has not disputed that the energy as procured by the Petitioner from the generating stations has to be netted off by the energy as exported by the Petitioner to the generating stations during shutdown and has denied that the petitioner is acting contrary to the terms of the PPA. Due to various exigencies and constraints, the Petitioner has not been able to procure sufficient RE Power in the past years which the Commission has also acknowledged and therefore allowed the Petitioner to carry forward its RPO obligations. The procedure of setting off of the energy is entirely different from the issue in the instant Petition and is not under dispute. PEDDA itself has admitted that the energy supplied by the Petitioner to the RE Generator is conventional in nature whereas the energy supplied by the RE Generator to the Petitioner is renewable energy. The issue is only of energy accounting, without affecting the rights of any of the generators under the PPA. The Petitioner has actually procured the renewable energy and it is only the inadvertent account of the netted off electricity, which is the issue and PSPCL has reiterated the prayer made in the petition.

5. Commission's Observations and Decision

The Commission has examined the petition, reply submitted by PEDDA, rejoinder filed by PSPCL and other submissions/documents. PSPCL has prayed to the Commission to adopt the shortfall in the RPO of 824.962 MU for the period till 2017-18 as per export reading of the energy meters of the projects as against the quantum of 931.08 MU presently computed.

5.1 The Commission notes that PEDDA has submitted that the petition is time barred by the law of limitation. In this regard, it is observed that the Limitation Act applies when the Commission adjudicates upon the disputes between the licensees and generating companies under Section 86(1)(f) of the Electricity Act, 2003. The present petition has been filed by PSPCL under Section 86(1)(e) of the Electricity Act, 2003 and deals with the Regulatory issue of RPO targets fixed by the Commission and the compliance of the same by PSPCL. In view of the above and the Order of the Hon'ble Supreme Court of India in Andhra Pradesh Power Coordination Committee and others versus Lanco Kondapalli Power Limited and others (2016) 3 SCC 468 as detailed in foregoing paras, the Commission holds that the Limitation Act would not be applicable in the instant petition.

5.2 PSPCL has filed this petition requesting for correction of RPO data as it had been erroneously considering the renewable energy for RPO compliance after deducting the conventional energy supplied by PSPCL to the RE generators during shut downs from the renewable energy exported by the RE generators to PSPCL. As per the data submitted for FY 2011-12 to FY 2017-18, PSPCL has worked out the cumulative Net Non-Solar shortfall in RPO compliance (after adjusting excess Solar energy) since FY 2016-17 as 1846.69 MU upto FY 2016-17 and 931.08 MU upto FY

2017-18 respectively considering the netting of the energy supplied by PSPCL to RE Generators. The same was approved by the Commission in its Order dated 21.12.2018 in petition no.34 of 2018 filed by PSPCL. Against this, PSPCL has now worked out the cumulative Non-Solar shortfall in RPO compliance (after adjusting excess Solar energy) as 1763.608 MU upto FY 2016-17 and 824.962 MU upto FY 2017-18 respectively considering the export energy meter readings of RE generators without netting of the conventional energy supplied by PSPCL to RE generators.

5.3 Accordingly, PSPCL has sought correction in the RPO shortfall data for 106.118 (931.08 – 824.962) MU upto FY 2017-18. The above data correction pertains to the period from FY 2011-12 to FY 2017-18. However, the Commission notes that in the True up for FY 2017-18 in the Tariff Order dated 27.05.2019 for FY 2019-20 for PSPCL in para 2.8.4 (Table 2.8 B), the electricity from renewable energy sources has been taken as 2389.70 MU (Non-Solar) and 1485.82 MU (Solar) which were furnished by PSPCL vide Memo No.567/ARR/Dy.CAO/254/Vol.II/ Deficiency dated 27.03.2019, as export meter reading without netting of the electricity from conventional energy sources supplied by PSPCL to RE generators. Therefore, the Commission finds that no correction of RPO data for FY 2017-18 is required. Accordingly, the scope of correction of RPO shortfall data is confined to the period from FY 2011-12 to FY 2016-17.

5.4 The Commission notes that PSPCL while making submissions in the petition with regard to purchase of electricity from renewable sources of energy with netting of the conventional power supplied by it to RE generators and as per export meter readings has also revised the former i.e.

data with regard to renewable energy procured after netting of with conventional power submitted earlier from FY 2011-12 onwards to FY 2016-17. The same is depicted as hereunder:

Non-Solar

S.No.	Description	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	Total
1.	As per data submitted earlier and also in the petition (excluding RECs)	698.910	1117.610	1020.670	1073.480	1089.350	1174.780	6174.800
2.	As per revised data submitted in the petition (excluding RECs)	738.100	1124.166	1031.877	1050.095	1087.058	1213.585	6244.881
3.	As per Export Meter readings submitted in the petition	740.025	1130.950	1035.764	1053.637	1091.232	1218.031	6269.639

Solar

S. No.	Description	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	Total
1.	As per data submitted earlier and also in the petition (excluding Net Metering)	4.670	12.490	44.750	113.960	388.760	963.140	1527.770
2.	As per revised data submitted in the petition (excluding Net Metering)	4.048	12.120	44.545	115.471	389.121	926.576	1491.881
3.	As per Export Meter readings submitted in the petition	4.080	12.244	44.675	116.093	391.907	946.996	1515.995

Perusal of the above data reveals that the (Non-Solar) energy from renewable sources after netting of electricity from conventional sources supplied by PSPCL to RE generators for the period FY 2011-12 to FY 2016-17 is 6244.881 MU as per revised data furnished in the petition whereas the same is 6174.80 MU as per the data submitted earlier on yearly basis. In other words, the Non-Solar RPO

compliance upto FY 2016-17 is factually 70.081(6244.881-6174.80) MU more without considering the export meter readings. However, in similar calculations for Solar energy, the factual purchase is less by 35.889 (1527.77 - 1491.881) MU during this period. Considering that the Commission has been allowing the adjustment of excess Solar energy against the Non-Solar energy since FY 2016-17, the net effect of the above would be that the Non-Solar RPO compliance upto FY 2016-17 is factually more by 34.192 (70.081 – 35.889) MU than the previous Non-Solar RPO compliance upto FY 2016-17, without considering the export meter readings. Accordingly, Shortfall in Non-Solar RPO Compliance upto FY 2016-17 works out to 1812.498 (1846.69 – 34.192) MU as against 1846.69 MU.

5.5 Further, PSPCL has submitted that it was computing the data for RPO compliance by deducting the energy supplied by it to the RE generators from the energy exported by the renewable energy generators to it as per export meter readings. The energy supplied by PSPCL to the renewable energy generators is conventional in nature and not of the renewable nature. As such, for RPO purposes, the same cannot be offset against the energy exported by the renewable energy generators to PSPCL. The procedure for setting off the renewable energy purchased by PSPCL with the energy consumed by the renewable energy generators as provided in the PPAs signed between the parties is irrelevant in so far as accounting of renewable energy exported by renewable energy generators towards RPO compliance by PSPCL is concerned. It is observed that methodology adopted

by PSPCL for computation of RPO compliance data was not correct. The Commission agrees with the view of PSPCL that the total renewable energy exported by the renewable energy generators to PSPCL needs to be accounted for in the RPO compliance.

5.6 Accordingly, the Commission approves the cumulative shortfall in Non-Solar RPO (after adjustment of excess Solar) upto FY 2016-17 as 1763.608 MU as per the export meter readings submitted by PSPCL as against 1812.498 MU as worked out above on the basis of netting of the conventional energy supplied by PSPCL to RE generators with the export energy supplied by generators to PSPCL.

Considering the above, the RPO compliance for FY 2017-18 and FY 2018-19 respectively shall be considered to be as under:

FY 2017-18: RPO Compliance

Sr. No.	Description	FY 2017-18	
1.	Input Energy (MU)	52205.88 MU (for Non-Solar) 38033.43 MU (for Solar)	
2.	RPO specified	%	MU
	i. Non-Solar	4.2%	2192.65
	ii. Solar	1.8%	684.60
3.	RE generation/purchase (RPO compliance)		
	i. Non-Solar including	4.58%	2389.70
	a) Short term purchase (992.24 MU)		
	b) RECs (61.75 MU equivalent)		
	ii. Solar including Net-Metering (44.86 MU)	3.91%	1485.82
4.	FY 2016-17 (True up) RPO shortfall allowed to be carried forward to FY 2017-18 in T.O. for FY 2018-19		
	i. Non-Solar	3.38%	1763.608
	ii. Solar		Surplus Solar adjusted against Non-Solar
5.	RPO balance after accounting for		

	compliance/shortfall of previous year (3-4)		
	i. Non-Solar	1.20%	626.09
	ii. Solar	3.91%	1485.82
6.	RE shortfall (Non-Solar) / surplus (Solar) (2-5)		
	i. Non-Solar	3.00%	1566.56
	ii. Solar	(-2.11% (Surplus))	(-801.22 (Surplus))
7.	Net Non-solar RPO shortfall after adjustment of excess Solar power	1.47%	765.34

FY 2018-19: RPO Compliance

Sr. No.	Description	FY 2018-19	
1.	Input Energy (MU)	52976.96 (for Non-Solar) 39736.54 (for Solar)	
2.	RPO specified	%	MU
	i. Non-Solar	4.3%	2278.01
	ii. Solar	2.2%	874.20
3.	RE generation/purchase (RPO compliance)		
	i. Non-Solar including short term purchase (737.32 MU)	3.75%	1987.13
	ii. Solar including Net-Metering (66.00 MU)	3.66%	1455.62
4.	FY 2017-18 (True up) RPO shortfall		
	i. Non-Solar	1.44%	765.34
	ii. Solar		Surplus Solar adjusted against Non-Solar
5.	RPO balance after accounting for compliance/shortfall of previous year (3-4)		
	i. Non-Solar	2.31%	1221.79
	ii. Solar	3.66%	1455.62
6.	RE shortfall (Non-Solar) / surplus (Solar) (2-5)		
	i. Non-Solar	1.99%	1056.22
	ii. Solar	(-1.46% (Surplus))	(-581.42 (Surplus))
7.	Net Non-solar RPO shortfall after adjustment of excess Solar power	0.90%	474.80

As detailed above, the revised Net Non-Solar RPO shortfall would be 474.80 MU as against 557.88 MU upto FY 2018-19.

5.7 The Commission notes that PSPCL, vide memo no. 5327/TR-5/922 dated 04.07.2019, has intimated that 3,46,762 nos. of Non-Solar RECs have been purchased by it on 26.06.2019 in compliance to the directions in the Tariff Order dated 27.05.2019. PSPCL has submitted that decision of the Commission in the instant petition is required to calculate the exact shortfall in RPO compliance ending FY 2018-19 and corresponding number of RECs to be procured in place of the shortfall of 557.88 MU upto FY 2018-19 as per para 3.8.4 of the Tariff Order dated 27.05.2019, for which PSPCL has requested two months time. PSPCL vide Memo No.5538/TR-5/922 dated 16.08.2019 has further informed that in addition to 3,46,762 nos. RECs (equivalent to 346.762 MU) purchased earlier, it has purchased 90,371 nos. Non-Solar RECs equivalent to 90.371 MU in the month of July 2019, thereby procuring 4,37,133 (3,46,762 + 90,371) RECs equivalent to 437.133 MU upto July 2019.

As such, PSPCL is required to purchase additional Non-Solar RECs equivalent to 37.667 (474.80 – 437.133) MU to make up the aforementioned shortfall in RPO compliance. The Commission considering the request of PSPCL allows time to PSPCL upto 31.10.2019, for meeting the shortfall.

The petition is disposed of in terms of the above.

Sd/-

(Anjuli Chandra)

Member

Sd/-

(S.S. Sarna)

Member

Sd/-

(Kusumjit Sidhu)

Chairperson

Chandigarh

Dated: **04.09.2019**