

No. Comm/ RPO Compliance/

30492

Date:

7 AUG 2015

To

The General Manager (REC, R &D),
Maharashtra Energy Development Agency (MEDA)
MHADA Commercial Complex, 2nd Floor, Opp. Tridal Nagar.
Yerwada, Pune-411 006

Sub: Submission of RPO achievement report of DISCOMs
for Ist, IInd, IIIrd and IVth quarter of FY 2014-15

Ref: 1. Y.O.L. No. BP/RPO Status/CR-117/2014-15/6005 dated 13.11.2014
2. T.O.L. No. Comm/RPO Compliance/02591 dated 28.01.2015

Dear Sir,

With reference to the above subject and Y.O.L. under reference (1), please find enclosed herewith Provisional RPO compliance report of MSEDCL for Ist quarter (April-14 to June-14), IInd quarter (July-2014 to September-2014), IIIrd quarter (October-14 to December-14) and IVth quarter (January-15 to March-15) of FY 2014-15.

It is further to inform that MSEDCL had already submitted RPO compliance report for Ist (April-14 to June-14) & IInd (July-2014 to September-2014) quarters vide letter under reference (2). But, the same is now revised and resubmitted.

This is for information and further needful please.

Thanking you,

Yours faithfully,



(S.V. Bapat)

Chief Engineer (Commercial)

Encl: As above

Copy s. w. r. to:

1. The Secretary,
Maharashtra Electricity Regulatory Commission,
World Trade Centre, 13th Floor, Centre No. 1, Cuff Parade, Colaba, Mumbai-05
2. The Director (Operations), MSEDCL, Mumbai
3. The Executive Director (Commercial), MSEDCL, Mumbai

Copy f. w. c. to:

The CE, MSLDC, Kalwa, Airoli, Navi Mumbai

FORM II - GROSS ENERGY CONSUMPTION (For April-2014 to June-2014)

Month :				
Utility :	Maharashtra State Electricity Distribution Company Ltd.			
	Apr-14	May-14	Jun-14	Total
GROSS CONSUMPTION	Quantum (MUs)			
1 Energy Drawal at T<D Interface	9654.963716	9808.840859	9359.394770	28823.199345
Conventional OA units consumption	205.309672	320.996572	263.156025	789.462269
Wind OA (Self Use + TPS)	18.189132	34.806426	71.538093	124.533651
Small Hydro OA MUs	9.651106	5.907739	2.070998	17.629843
Net GEC	9421.813805	9447.130122	9022.629654	27891.573582
2 RPS Obligation (9% of GEC)	847.9632426	850.2417110	812.0366688	2510.2416224

FORM III - RENEWABLE ENERGY PROCUREMENT (April-2014 to June-2014) (A- Solar)

RE Sources Detail				
Month:				
Eligible person name : Maharashtra State Electricity Distribution Co				
	Apr-14	May-14	Jun-14	Total
1 Own generation	Quantum (MUs)			
Sub Total (1)	0	0	0	0
2 Purchase from Other RE Sources/Lincesse				
	24.042047	24.419645	20.460063	68.921755
Sub Total (2)	24.042047	24.419645	20.460063	68.921755
3 Purchase through REC				0
4 RE sold to other person				0
Sub Total (4)				0
Total Procurement (1+2+3-4)	24.042047	24.419645	20.460063	68.921755

FORM III - RENEWABLE ENERGY PROCUREMENT (YEAR 2014-15)
(B- Mini/ Micro Hydro)

RE Sources Detail

Month:

Eligible person name : Maharashtra State Electricity Distribution Company Ltd.

	Apr-14	May-14	Jun-14	Total
2 Purchase from Other RE Sources/Lincesse including Own generation				
Mini/ Micro Hydro	0.043544	0.021988	0.029076	0.094608
Sub Total	0.043544	0.021988	0.029076	0.094608
3 Purchase through REC				
4 RE sold to other person				
Sub Total (4)				
Total Procurement (1+2+3-4)	0.043544	0.021988	0.029076	0.094608

FORM III - RENEWABLE ENERGY PROCUREMENT (For April-2014 to June-2014) (C- Non Solar other than Solar)

RE Sources Detail

Month:

Eligible person name : Maharashtra State Electricity Distribution Company Ltd.

	Apr-14	May-14	Jun-14	Total
2 Purchase from Other RE Sources/Lincesse including Own generation				
Wind	266.893025	361.186050	653.782475	1281.861550
Co-gen (Bagasse + Biomass)	302.400893	153.486965	64.830666	520.719
SHP	71.832582	44.641053	19.471719	135.945
MSW	0.022500	0.000000	0.101475	0.438
Total NCE at MSETCL periphery	641.149000	559.314068	738.186335	1938.963502
Sub Total	641.149000	559.314068	738.186335	1938.649
3 Purchase through REC				0.00
4 RE sold to other person				0.00
Sub Total (4)				0.00
Total Procurement (1+2+3-4)	641.14900	559.31407	738.18633	1938.64940

Summary Sheet

	Particulars	Apr-14	May-14	Jun-14	Total
		Quantum (MUs)			
1	Total GEC For The Month from FORM II SOLAR	9421.813806	9447.130122	9022.629654	27891.573582
	Obligation - 0.5 %	47.109069	47.235651	45.113148	139.457868
	Procurement - FORM III (A)	24.042047	24.419645	20.460063	68.921755
	Shortfall	23.067022	22.816006	24.653085	70.536113
2	Obligation Achieved %	0.255174295	0.258487442	0.226763857	0.247106011
	Mini Micro Hydro				
	Obligation - 0.2 % of Non-Solar Obligation	1.601708347	1.606012121	1.533847041	4.741567509
	Procurement - FORM III (A)	0.043544	0.021988	0.029076	0.094608
	Shortfall	1.558164347	1.584024121	1.504771041	4.646959509
3	Obligation Achieved %	0.005448091	0.002743698	0.003798849	0.003998576
	Non Solar excluding Mini/ Micro Hydro				
	Obligation - 8.483%	799.2524652	801.4000482	765.3896735	2366.042187
	Procurement - FORM III (B+C)	641.1490002	559.3140676	738.1863347	1938.649402
	Shortfall	158.103465	242.0859807	27.20333888	427.3927845
4	Obligation Achieved %	6.804942375	5.920465372	8.181498776	6.950663421
	Non Solar including Mini/ Micro Hydro				
	Obligation - 8.5 %	800.8541735	803.0060604	766.9235206	2370.783754
	Procurement - FORM III (B+C)	641.192544	559.336056	738.215411	1938.744010
	Shortfall	159.661629	243.670005	28.708110	432.039744
5	Obligation Achieved %	6.805405	5.920698	8.181821	6.951003
	Total RE				
	Obligation - 9 %	847.9632426	850.241711	812.0366688	2510.241622
	Procurement - FORM III (A+B+C)	665.234591	583.755701	758.675474	2007.665765
	Shortfall	182.728651	266.486010	53.361195	502.575857
6	Obligation Achieved %	7.060579	6.179186	8.408585	7.198109

FORM II - GROSS ENERGY CONSUMPTION (July-2014 to September-2014)				
Month :				
Utility : Maharashtra State Electricity Distribution Company Ltd.				
	Jul-14	Aug-14	Sep-14	Total
GROSS CONSUMPTION				
1 Energy Drawal at T<>D interface	8815.335199	8399.157759	8543.484811	25757.977769
Conventional OA units consumption	325.022142	330.034876	326.972998	982.030016
Wind OA (Self Use + TPS)	96.717285	69.486515	76.572534	242.776334
Small Hydro OA MUs	3.296523	14.866890	11.514564	29.677977
Net GEC	8390.299249	7984.769478	8128.424715	24503.493442
2 RPS Obligation (9% of GEC)	755.1269324	718.6292530	731.5582244	2205.3144098

FORM III - RENEWABLE ENERGY PROCUREMENT (July-2014 to September-2014) (A- Solar)				
RE Sources Detail				
Month:				
Eligible person name : Maharashtra State Electricity				
	Jul-14	Aug-14	Sep-14	Total
1 Own generation				
Sub Total (1)	0	0	0	0
2 Purchase from Other RE Sources/Lincesse				
	12.754369	16.204532	18.147679	47.106580
Sub Total (2)	12.754369	16.204532	18.147679	47.106580
3 Purchase through REC				0
4 RE sold to other person				0
Sub Total (4)				0
Total Procurement (1+2+3-4)	12.754369	16.204532	18.147679	47.106580

FORM III - RENEWABLE ENERGY PROCUREMENT (July-2014 to September-2014) (B- Mini/ Micro Hydro)

RE Sources Detail

Month:

Eligible person name : Maharashtra State Electricity Distribution Company Ltd.

		Aug-14	Sep-14	Total
2 Purchase from Other RE Sources/Lincesse including Own generation				
Mini/ Micro Hydro	0.049436	0.065847	0.068812	0.184095
Sub Total	0.049436	0.065847	0.068812	0.184095
3 Purchase through REC				
4 RE sold to other person				
Total Procurement (1+2+3-4)	0.049436	0.065847	0.068812	0.184095

FORM III - RENEWABLE ENERGY PROCUREMENT (July-2014 to September-2014)
(C- Non Solar other than Solar)

RE Sources Detail

Month:

Eligible person name : Maharashtra State Electricity Distribution Company Ltd.

		Jul-14	Aug-14	Sep-14	Total
2	Purchase from Other RE Sources/Lincesse including Own generation				
	Wind	885.930743	552.162325	588.633571	2026.726639
	Co-gen (Bagasse + Biomass)	25.679436	20.182249	23.672071	69.534
	SHP	20.030519	55.570167	72.216280	147.817
	MSW	0.031275	0.000000	0.033300	0.438
	Total NCE at MSETCL periphery	931.671973	627.914741	684.555222	2244.515436
	Sub Total	931.671973	627.914741	684.555222	2244.142
3	Purchase through REC				0.00
4	RE sold to other person				
					0.00
	Total Procurement (1+2+3-4)	931.671973	627.914741	684.555222	2244.141936

Summary Sheet

	Particulars	Jul-14	Aug-14	Sep-14	Total
1	Total GEC For The Month from FORM II	8390.299249	7984.769478	8128.424715	24503.493442
	SOLAR				
	Obligation - 0.5 %	41.951496	39.923847	40.642124	122.517467
	Procurement - FORM III (A)	12.754369	16.204532	18.147679	47.10658
	Shortfall	29.197127	23.719315	22.494445	75.410887
2	Obligation Achieved %	0.152013279	0.202943016	0.223261944	0.192244343
	Mini Micro Hydro				
	Obligation - 0.2 % of Non-Solar Obligation	1.426350872	1.357410811	1.381832202	4.165593885
	Procurement - FORM III (A)	0.049436	0.065847	0.068812	0.184095
	Shortfall	1.376914872	1.291563811	1.313020202	3.981498885
3	Obligation Achieved %	0.006945706	0.009721295	0.00997949	0.008856549
	Non Solar excluding Mini/ Micro Hydro				
	Obligation - 8.483%	711.7490853	677.3479948	689.5342686	2078.631349
	Procurement - FORM III (B+C)	931.6719726	627.9147406	684.5552224	2244.141936
	Shortfall	-219.9228873	49.43325415	4.979046219	-165.5105869
4	Obligation Achieved %	11.10415666	7.863905682	8.42174525	9.158457103
	Non Solar including Mini/ Micro Hydro				
	Obligation - 8.5 %	713.1754362	678.7054056	690.9161008	2082.796943
	Procurement - FORM III (B+C)	931.721409	627.980588	684.624034	2244.326031
	Shortfall	-218.545972	50.724818	6.292066	-161.529088
5	Obligation Achieved %	11.104746	7.864730	8.422592	9.159208
	Total RE				
	Obligation - 9 %	755.1269324	718.629253	731.5582244	2205.31441
	Procurement - FORM III (A+B+C)	944.475778	644.185120	702.771713	2291.432611
	Shortfall	-189.348845	74.444133	28.786511	-86.118201
6	Obligation Achieved %	11.256759	8.067673	8.645854	9.351453

FORM II - GROSS ENERGY CONSUMPTION (October-2014 to December-2014)

Month :				
Utility : Maharashtra State Electricity Distribution Company Ltd.				
		Oct-14	Nov-14	Dec-14
				Total
	GROSS CONSUMPTION			
1	Energy Drawal at T<D interface	9783.497467	9450.792428	9529.094368
	Conventional OA units consumption	336.915807	348.963899	371.787329
	Wind OA (Self Use + TPS)	42.535166	16.487312	31.931645
	Small Hydro OA MUs	3.657714	7.869288	8.664332
	Net GEC	9400.388780	9077.471929	9116.711062
2	RPS Obligation (9% of GEC)	846.034990	816.9724736	820.5039956
				2483.5114594

FORM III - RENEWABLE ENERGY PROCUREMENT (October-2014 to December-2014) (A- Solar)

RE Sources Detail				
Month:				
Eligible person name : Maharashtra State Electricity Distribution Company Ltd.				
		Oct-14	Nov-14	Dec-14
				Total
1	Own generation			
	Sub Total (1)	0	0	0
2	Purchase from Other RE Sources/Lincesse			
		21.529395	20.301826	23.633539
	Sub Total (2)	21.529395	20.301826	23.633539
3	Purchase through REC			0
4	RE sold to other person			
				0
	Sub Total (4)			0
	Total Procurement (1+2+3-4)	21.529395	20.301826	23.633539
				65.464760

FORM III - RENEWABLE ENERGY PROCUREMENT (October-2014 to December-2014) (B- Mini/ Micro Hydro)

RE Sources Detail				
Month:				
Eligible person name : Maharashtra State Electricity Distribution Company Ltd.				
		Oct-14	Nov-14	Dec-14
				Total
2	Purchase from Other RE Sources/Lincesse including Own generation			
	Mini/ Micro Hydro	0.038908	0.061744	0.080311
	Sub Total	0.038908	0.061744	0.080311
3	Purchase through REC			
4	RE sold to other person			
	Total Procurement (1+2+3-4)	0.038908	0.061744	0.080311
				0.180963

**FORM III - RENEWABLE ENERGY PROCUREMENT (October-2014 to December-2014)
(C- Non Solar other than Solar)**

RE Sources Detail				
Month:				
Eligible person name : Maharashtra State Electricity Distribution Company Ltd.				
		Oct-14	Nov-14	Dec-14
				Total
2	Purchase from Other RE Sources/Lincesse including Own generation			
	Wind	356.687741	36.218564	239.606645
	Co-gen (Bagasse + Biomass)	29.811367	260.378090	534.112209
	SHP	31.367997	65.409266	66.492920
	MSW	0.038925	0.033975	0.032175
	Total NCE at MSETCL periphery	417.906030	362.039895	840.243950
	Sub Total	417.906030	362.039895	840.243950
3	Purchase through REC			0.00
4	RE sold to other person			
				0.00
	Total Procurement (1+2+3-4)	417.906030	362.039895	840.243950
				1620.189874

Summary Sheet

	Particulars	Oct-14	Nov-14	Dec-14	Total
1	Total GEC For The Month from FORM II	9400.388780	9077.471929	9116.711062	27594.571771
	SOLAR				
	Obligation - 0.5 %	47.001944	45.387360	45.583555	137.972859
	Procurement - FORM III (A)	21.529395	20.301826	23.633539	65.46476
	Shortfall	25.472549	25.085534	21.950016	72.508099
2	Obligation Achieved %	0.229026645	0.223650661	0.259233169	0.237237818
	Mini Micro Hydro				
	Obligation - 0.2 % of Non-Solar Obligation	1.598066093	1.543170228	1.54984088	4.691077201
	Procurement - FORM III (A)	0.038908	0.061744	0.080311	0.180963
	Shortfall	1.559158093	1.481426228	1.46952988	4.510114201
3	Obligation Achieved %	0.004879144	0.008018265	0.010384543	0.007730662
	Non Solar excluding Mini/ Micro Hydro				
	Obligation - 8.483%	797.4349802	770.0419438	773.3705994	2340.847523
	Procurement - FORM III (B+C)	417.9060295	362.0398949	840.2439495	1620.189874
	Shortfall	379.5289507	408.0020488	-66.87335014	720.6576494
4	Obligation Achieved %	4.445624956	3.988333952	9.216524949	5.871407925
	Non Solar including Mini/ Micro Hydro				
	Obligation - 8.5 %	799.0330463	771.585114	774.9204402	2345.538601
	Procurement - FORM III (B+C)	417.944938	362.101639	840.324261	1620.370837
	Shortfall	381.088109	409.483475	-65.403820	725.167764
5	Obligation Achieved %	4.446039	3.989014	9.217406	5.872064
	Total RE				
	Obligation - 9 %	846.0349902	816.9724736	820.5039956	2483.511459
	Procurement - FORM III (A+B+C)	439.474333	382.403465	863.957800	1685.835597
	Shortfall	406.560658	434.569009	-43.453804	797.675862
6	Obligation Achieved %	4.675065	4.212665	9.476639	6.109302

FORM II - GROSS ENERGY CONSUMPTION (January-2015 to March-2015)

Month :				
Utility : Maharashtra State Electricity Distribution Company Ltd.				
		Jan-15	Feb-15	Mar-15
GROSS CONSUMPTION				
1	Energy Drawal at T<>D Interface	9122.924294	8837.692806	9385.061097
	Conventional OA units consumption	373.418861	335.687591	370.840662
	Wind OA (Self Use + TPS)	19.840800	24.067469	30.032926
	Small Hydro OA MUs	8.638630	5.488724	7.258649
	Net GEC	8721.026003	8472.449022	8976.928860
2	RPS Obligation (9% of GEC)	784.8923403	762.5204120	807.9235974

FORM III - RENEWABLE ENERGY PROCUREMENT (January-2015 to March-2015) (A- Solar)

RE Sources Detail				
Month:				
Eligible person name : Maharashtra State Electricit				
		Jan-15	Feb-15	Mar-15
1	Own generation			
	Sub Total (1)	0	0	0
2	Purchase from Other RE Sources/Lincesse			
		29.595620	26.144968	26.185493
	Sub Total (2)	29.595620	26.144968	26.185493
3	Purchase through REC			
4	RE sold to other person			
	Sub Total (4)			
	Total Procurement (1+2+3-4)	29.595620	26.144968	26.185493

FORM III - RENEWABLE ENERGY PROCUREMENT (January-2015 to March-2015) (B- Mini/ Micro Hydro)

RE Sources Detail				
Month:				
Eligible person name : Maharashtra State Electricity Distribution Company Ltd.				
		Jan-15	Feb-15	Mar-15
2	Purchase from Other RE Sources/Lincesse including Own generation			
	Mini/ Micro Hydro	0.138872	0.101231	0.126812
	Sub Total	0.138872	0.101231	0.126812
3	Purchase through REC			
4	RE sold to other person			
	Total Procurement (1+2+3-4)	0.138872	0.101231	0.126812

**FORM III - RENEWABLE ENERGY PROCUREMENT (January-2015 to March-2015)
(C- Non Solar other than Solar)**

RE Sources Detail				
Month:				
Eligible person name : Maharashtra State Electricity Distribution Company Ltd.				
		Jan-15	Feb-15	Mar-15
2	Purchase from Other RE Sources/Lincesse including Own generation			
	Wind	147.503586	161.421139	205.921162
	Co-gen (Bagasse + Biomass)	650.871794	563.906190	546.219772
	SHP	70.426843	60.952780	63.444633
	MSW	0.038250	0.042975	0.063225
	Total NCE at MSETCL periphery	868.840473	786.323084	815.648792
	Sub Total	868.840473	786.323084	815.648792
3	Purchase through REC	0.000000	0.000000	100.000000
4	RE sold to other person			
				0.00
	Total Procurement (1+2+3-4)	868.840473	786.323084	915.648792

Summary Sheet

	Particulars	Jan-15	Feb-15	Mar-15	Total
1	Total GEC For The Month from FORM II	8721.026003	8472.449022	8976.928860	26170.403885
	SOLAR				
	Obligation - 0.5 %	43.605130	42.362245	44.884644	130.852019
	Procurement - FORM III (A)	29.59562	26.144968	26.185493	81.926081
	Shortfall	14.009510	16.217277	18.699151	48.925938
2	Obligation Achieved %	0.339359383	0.308588083		0.313048592
	Mini Micro Hydro				
	Obligation - 0.2 % of Non-Solar Obligation	1.482574421	1.440316334	1.526077906	4.448968661
	Procurement - FORM III (A)	0.138872	0.101231	0.126812	0.366915
	Shortfall	1.343702421	1.339085334	1.399265906	4.082053661
3	Obligation Achieved %	0.018771442	0.014084943	0.01665264	0.016527439
	Non Solar excluding Mini/ Micro Hydro				
	Obligation - 8.483%	739.8046359	718.7178505	761.5128752	2220.035362
	Procurement - FORM III (B+C)	868.840473	786.323084	915.648792	2570.812349
	Shortfall	-129.0358368	-67.6052339	-154.1359172	-350.7769879
4	Obligation Achieved %	9.96259468	9.280942055	10.20002282	9.823357563
	Non Solar including Mini/ Micro Hydro				
	Obligation - 8.5 %	741.2872103	720.1581669	763.0389531	2224.48433
	Procurement - FORM III (B+C)	868.979345	786.424315	915.775604	2571.179264
	Shortfall	-127.692134	-66.266149	-152.736651	-346.694934
5	Obligation Achieved %	9.964187	9.282137	10.201435	9.824760
	Total RE				
	Obligation - 9 %	784.8923403	762.520412	807.9235974	2355.33635
	Procurement - FORM III (A+B+C)	898.574965	812.569283	941.961097	2653.105345
	Shortfall	-113.682624	-50.048871	-134.037500	-297.768996
6	Obligation Achieved %	10.303546	9.590725	10.493133	10.137808