

Energy Balance from April 2019 to March 2020 [Govt order EN 84 PSR 2019, Bengaluru, dated 5.3.2019]

Provisional										Annexure-P11			
1	2	3	4	5	6	7	8	9	10	11			
ESCOMs	Total Energy Purchased in MU	IEX sales	Net Energy purchased in MU(2+3)	Energy as per exclusive purchases & Uneven allocation	A		B		C		D		
					Energy as per GOK allocation in MU from pooled sources	Actual Consumption	Actual consumption in MU from pooled sources	Net consumption (3+5+7)	Energy Balance				
									Net Energy Overdraw n	Net Energy Underdraw n	Energy difference in MU (11+12)		
BESCOM	31247.84	-726.43	30521.41	7391.18	23856.669	25785.083	32449.8	2016.764	-88.350	1928.414			
GESCOM	9160.43	-193.58	8966.85	2914.55	6245.883	5780.268	8501.2	207.301	-672.915	-465.614			
HESCOM	15360.92	-307.50	15053.42	4377.12	10983.804	9536.118	13605.7	54.145	-1501.831	-1447.686			
MESCOM	6045.63	-125.16	5920.47	1213.13	4832.494	5036.699	6124.7	538.517	-334.312	204.206			
CESC	8049.62	-157.92	7891.70	1354.59	6695.026	6475.706	7672.4	313.986	-533.305	-219.319			
TOTAL	69864.44	-1510.59	68353.85	17250.57	52613.875	52613.875	68353.852	3130.713	-3130.713	0.000			

ESCOM wise Power Purchase after considering Solar Roof Top Energy

ESCOMs	Power Purchase as per Energy Balance in MU	Solar Roof Energy in MU	Total Purchase of ESCOM in MU
BESCOM	31247.844	90.67423	31338.519
GESCOM	9160.429	10.263348	9170.693
HESCOM	15360.924	17.722871	15378.647
MESCOM	6045.626	5.725227	6051.351
CESC	8049.620	13.388206	8063.008
TOTAL	69864.443	137.773883	70002.217

- NOTE :**
1. Exclusive Purchases includes Generators like Kappadagudda, NCE ,KPC solar etc
 2. Any addition / Omission will be made while truing up.
 3. Energy balance is only for power purchase details furnished by ESCOMs and IF point consumption of all ESCOMs.
 4. IEX sales quantum already included in power purchase hence same has seperately accounted.

MANGALORE ELECTRICITY SUPPLY COMPANY LIMITED

Plant wise details of energy utilized/unutilized considering the merit order dispatch

Annexure-P12

SL No	Plant Name	Installed Capacity MW	MESCOM share	MESCOM share MW	Capacity Charges (Rs/Unit)	Variable Charges (Rs/Unit)	Total per Unit cost (Rs/Unit)	Total Energy Available (in MU)	Total Energy utilized			Total energy unutilized		
									Energy sold to Consumer (in MU)	Energy sold through power exchanges and tender (in MU)	Energy utilized under UImeschanism (in Mu)	Total energy utilized (in Mu)	Energy unutilized due to backing down and reserve shut down (in MU)	Capacity charges paid for the unutilized energy (Rs in Crores)
1	2				3	4	5	6	7	8	9	10=7+8+9	11=6-10	12
1	RTPS I to VII	1470.0	7.490	110.1	0.68	3.80	4.48	819.83	469.95				349.88	23.25
2	RTPS VIII	250.0	7.650	19.1	1.23	3.59	4.82	142.40	108.20				34.20	4.22
3	BTPS Unit I	500.0	7.650	38.3	0.92	4.16	5.08	268.06	43.22				224.84	20.66
4	BTPS Unit II	500.0	7.650	38.3	1.24	3.88	5.12	284.81	117.76				167.05	20.69
5	BTPS III	700.0	7.650	53.6	1.94	3.66	5.60	398.73	126.31				272.43	32.54
6	Raichur Power Corporation Ltd	1600.0	7.650	122.4	2.21	4.00	6.21	151.90	30.73				121.17	6.38
7	NLC TPS I Exp	420.0	7.650	8.3	1.03	2.97	4.00	61.78	53.26				8.52	0.75
8	NLC TPS II STAGE I	630.0	7.650	11.4	0.81	3.48	4.29	84.57	60.43				24.13	1.48
9	NLC TPS II STAGE II	840	7.650	15.13	0.83	3.51	4.34	112.63	77.48				35.15	2.27
10	NLC TPS II Exp	500.0	7.650	9.9	2.35	3.08	5.43	73.54	25.49				48.05	4.48
11	NLC-NNTPS	500.0	7.650	9.9	1.73	2.48	4.21	73.71	2.94				70.77	0.66
12	NLC Tamilnadu Power Ltd (NTPL I & I)	1000.0	7.650	16.7	1.55	3.25	4.80	124.42	73.00				51.42	6.62
13	NTPC Talcher Stage II - Unit-I	2000.0	7.650	28.4	0.71	1.98	2.69	211.35	165.16				46.19	2.88
14	NTPC - RSTPS (I & II)	2100.0	7.650	31.1	0.77	2.51	3.28	231.78	168.10				63.68	4.17
15	NTPC-SR - Stage III	500.0	7.650	7.7	0.77	2.53	3.30	57.70	45.17				12.53	0.88
16	NTPC - Simhadri	1000.0	7.650	14.8	1.52	3.54	5.06	110.31	70.62				39.69	5.52
17	NTPC - Kudugi	2400.0	7.650	98.3	1.66	3.81	5.47	731.72	171.71				560.01	93.36
18	M/s NTPC Tamilnadu Energy Ltd	1500.0	7.650	13.4	1.79	4.10	5.89	99.58	41.44				58.14	8.80
19	DVC-MTPS 7 &8	1000.0	7.650	17.2	1.08	2.83	3.91	128.16	81.50				46.67	5.03
20	DVC-KTPS 1 & 2	1000.0	7.650	17.2	1.75	2.65	4.40	128.16	132.06				-3.90	-
21	M/S UPCL,Padubidri	1200.0	7.5611	90.7	1.22	4.09	7.80	675.60	222.53				453.07	55.34
				771.82				4970.72	2287.05	125.16	-3.81	2408.404		299.97

Note for Column 3

1 SL No 1 to 6 & 21 :- Considered annual fixed charges & Energy with 85 % PLF

2 SL No.7 to 18 :- Capacity Charges per Unit considered as per RRAS parameter available in SRPC website for the period from 16.03.2020 to 15.04.2020

3 SL No.19 to 20 :- As per payment DVC in FY-20

Source wise Power Purchase Cost FY 21-(Up to Oct-2020-Provisional)

Format-D1

Sl No	Source	Energy in MU	Amount in Cr.			Avg.P.P cost
			Fixed cost	Variable Cost	Total Cost	
KPCL-Thermal						
1	RTPS I to VII	109.98	40.29	37.78	78.07	7.10
2	RTPS VIII	9.89	1.82	3.55	5.36	5.42
3	BTPS Unit I	11.29	16.69	3.65	20.34	18.02
4	BTPS Unit II	15.26	22.98	4.96	27.95	18.31
5	BTPS III	10.31	50.24	3.32	53.56	51.94
6	Raichur Power Corporation Ltd	118.20	83.39	37.69	121.08	10.24
KPCL-Thermal-Total:		274.94	215.41	90.95	306.36	11.14

KPCL-Hydel						
1	Sharavathi Hydro Electric Project	229.30	0.87	13.25	14.11	0.62
2	Kali Nadi Hydro Electric Project	263.21	1.38	19.34	20.72	0.79
3	Varahi Hydro Electric project (1 to 4)	52.73	1.09	8.42	9.51	1.80
4	Kadra Power House	24.96	0.95	3.89	4.84	1.94
5	Kodasalli Power House	21.36	0.59	2.77	3.36	1.57
6	Gerusoppa Power House	25.42	1.19	3.53	4.72	1.86
7	Ghataprabha Power House	5.36	0.03	0.91	0.94	1.76
8	Bhadra Hydro Electric Project	2.92	0.09	1.25	1.35	4.62
9	Almatti Power House	43.55	1.31	6.76	8.07	1.85
10	MGHE Jog Falls	20.72	0.09	1.23	1.32	0.64
11	Shivanasamudram	17.00	0.17	1.78	1.95	1.15
12	Mallapura Dam	0.00	0.00	0.00	0.00	
13	Munirabad	4.74	0.02	0.47	0.48	1.02
KPCL-Hydel-Total:		711.26	7.77	63.60	71.38	1.00

CGS						
1	NLC I	30.60	3.47	7.87	11.35	3.71
2	NLC TPS II STAGE I	31.28	2.55	8.77	11.33	3.62
	NLC TPS II STAGE II	23.35	2.07	6.53	8.60	3.68
3	NLC TPS II Exp	21.32	5.46	5.62	11.09	5.20
4	NLC-NNTPS	9.49	1.96	2.23	4.19	4.42
5	NLC Tamilnadu Power Ltd (NTPL I & II)	56.25	11.33	16.12	27.45	4.88
6	NTPC Talcher Stage II - Unit-I	122.63	9.15	25.06	34.21	2.79
7	NTPC - RSTPS (I & II)	111.49	9.88	27.40	37.28	3.34
8	NTPC-SR - Stage III	21.18	2.09	5.06	7.15	3.38
9	NTPC - Simhadri	40.63	9.93	12.78	22.71	5.59
10	NTPC - Kudugi	31.01	73.18	4.32	77.50	24.99
11	NTPC (Bundled Power)	Solar-NCE	61.41	24.46	24.46	4.41
12		Thermal	57.03	27.77	27.77	
13	M/s NTPC Tamilnadu Energy Ltd	7.09	9.68	2.21	11.89	16.77
14	NTPC VVNL	Solar-NCE	12.12	5.66	5.66	6.38
15		Thermal	4.82	5.14	5.14	
16	M/s Kudamkualm Nuclear Power Project Ltd-I	39.52		16.18	16.18	4.09
	M/s Kudamkualm Nuclear Power Project Ltd-II	79.45			32.53	4.09
17	MAPS	6.09		1.58	1.58	2.60
18	KAIGA-I & II	46.29		15.86	15.86	3.43
	KAIGA-III & IV	59.53		20.40	20.40	3.43
19	DVC-MTPS 7 & 8	67.00	9.99	18.47	28.46	4.25
	DVC-KTPS 1 & 2	92.68	14.40		37.59	4.06
CGS-Total:		1032.25	165.15	259.50	480.37	4.65

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Out Side State Source						
1	M/s Jurala Power ,Telangana State.	8.57	0.00	1.64	1.64	1.92

Major IPPs						
1	M/S UPCL,Padubidri	128.84	82.77	46.79	129.56	10.06

Short/ Medium Term Power Purchase						
1	Medium Term power purchase (Co-Gen)	31.59		14.90	14.90	4.72
2	Short Term Power Purchase (500 & 250MW)					
Short/ Medium-Total:		31.59		14.90	14.90	4.72

NCE-Banked/Infirm Energy-						
1	Mini Hydel					
2	Wind Mill Project					
3	Solar					
Total-Banked / Infirm Energy		0.00		0.00	0.00	

NCE-Mini Hydel						
1	Sandur Power Company-I	46.55		15.93	15.93	3.42
2	Sandur Power Company-II	8.46		2.37	2.37	2.80
3	Subhash Kabini	36.69		16.27	16.27	4.43
4	Sahyadri	0.01		0.00	0.00	2.98
5	Master Power	5.39		2.11	2.11	3.91
6	Graphite India	1.79		0.79	0.79	4.43
7	Maruthi Power Gen I(Kabini)	3.19		1.56	1.56	4.89

8	Maruthi Power Gen (Hemavathi)	2.81	0.94	0.94	3.34
9	Moodabagil Power Pvt. Ltd.,	0.30	0.12	0.12	3.90
10	Mrujaara Power Plant	1.23	0.34	0.34	2.80
11	Shamili Hydel power project pvt ltd	21.75	6.09	6.09	2.80
12	Sagar Power (Dandela) Pvt Ltd	13.29	4.55	4.55	3.42
13	Soham Mannapitlu Power Pvt Ltd	30.36	10.39	10.39	3.42
14	Sagar Power (Neerukatte) Pvt Ltd	0.00	0.00	0.00	
15	SRM Power	10.26	2.87	2.87	2.80
16	Vasagi Power Projects Ltd	1.13	0.38	0.38	3.40
17	GVP Infra Projects Pvt Ltd	4.81	1.64	1.64	3.40
18	Soham Palguni	20.67	7.03	7.03	3.40
19	Devar power ltd	0.12	0.03	0.03	2.80
20	Bhoruka Power Cor, LTD-9mw	16.44	5.63	5.63	3.42
21	Sri Sai Deepthi Power Pvt. Ltd	2.80	0.78	0.78	2.80
22	Maruti Power-Gen (India) Pvt. Ltd.-Hongadahalla	22.71	9.45	9.45	4.16
23	SLV Power Private Limited	19.67	8.18	8.18	4.16
NCE-Mini Hydel-Total:		270.43	97.45	97.45	3.60

NCE-SOLAR POWER

1	M/s Welspun Solar kannada Power Projects Ltd I	6.79	5.77	5.77	8.50
2	M/s Welspun Solar kannada Power Projects Ltd II	8.95	7.20	7.20	8.05
3	M/s Interocean Shipping (India) Pvt.Ltd	2.90	2.14	2.14	7.39
4	M/s Sharda Consurction & Corporation Pvt Ltd	2.86	2.19	2.19	7.65
5	K.K. Rao Green Energy Pvt Ltd	2.55	1.66	1.66	6.51
6	Bhoruka power coporaton ltd	18.88	13.25	13.25	7.02
7	Deepa Solar Power Generation Pvt Ltd	0.82	0.68	0.68	8.33
8	Vedasri Green Energy Pvt Ltd	2.05	1.72	1.72	8.40
9	Vedanga Solar Energy Pvt Ltd	2.77	2.33	2.33	8.40
10	Celestial Solar Solutions Pvt. Ltd	10.56	6.88	6.88	6.51
11	Photon Suryakiran Pvt Ltd	7.72	3.37	3.37	4.36
12	Athenese Energy Pvt Ltd	0.84	0.36	0.36	4.36
13	Marakka Solar Power Project	0.90	0.39	0.39	4.36
14	Bannur Solar power Project	0.88	0.38	0.38	4.36
15	Bhumi Prakash Pvt Ltd.,	21.81	10.38	10.38	4.76
16	ES Energy Pvt Ltd	8.98	5.48	5.48	6.10
17	Adani Green Energy	23.65	11.56	11.56	4.89
18	Clean Solar Power(Tumkur) Private limited	3.25	1.42	1.42	4.36
19	SECI	48.86	21.98	21.98	4.50
20	SECI-II	44.48	20.00	20.00	4.50
21	Avada Solar Energy Pvt. Ltd.	61.94	18.09	18.09	2.92
22	Fortum solar Indian Private Limited	64.59	18.41	18.41	2.85
23	Nanj Solar Private Limited	18.50	5.77	5.77	3.12
24	JRK Solar Projects Private Limited	9.06	2.90	2.90	3.20
25	Vivasvat solar Energy Private Limited	23.08	7.57	7.57	3.28
26	Solar Roof Top				
NCE-Solar Projects Total:		397.66	171.88	171.88	4.32

NCE-Wind - Mill Projects

1	Power Link System Pvt Ltd.	0.55	0.19	0.19	3.40
2	Desai Brothers LTD.,	0.83	0.28	0.28	3.40
3	Dinesh Pouches LTD.,	0.82	0.28	0.28	3.40
4	Dempo Industries Private LTD.,	0.71	0.24	0.24	3.40
5	Dewanchand Ramsaran-ELP-38	0.66	0.22	0.22	3.40
6	Ghodawat industries-WS -44	2.03	0.69	0.69	3.40
7	Lovely Fragrances-ELP- 28	0.78	0.27	0.27	3.40
8	Srinivas Sirigeri -EP2-29	0.67	0.23	0.23	3.40
9	Steelfabs offshore -ELP -37	0.65	0.22	0.22	3.40
10	Ushdev International- EP2-24	1.71	0.58	0.58	3.40
11	Mineral Enterprises-1 ELP-39	3.67	1.25	1.25	3.40
12	Mineral Enterprises-2 ELP-20	4.35	1.48	1.48	3.40
13	M/s VS Lad & Sons (RR.noBVP-04)	1.11	0.38	0.38	3.40
14	M/s P Vengannasetty& Brothers(BVP-11)	0.53	0.18	0.18	3.40
15	M/s V.T Switchgears&transformers(BVP-10)	0.59	0.20	0.20	3.39
16	M/s MSPL Limited Phase-I(BVP-03)	1.03	0.35	0.35	3.40
17	M/s MSPL LimitedPhase-II(BVP-06)	2.95	1.00	1.00	3.40
18	M/s MSPL Limited Phase-III(BVP-08)	1.17	0.40	0.40	3.40
19	M/s .R.B Seth Shreeram, Narasingdas(BVP-09)	1.94	0.66	0.66	3.40
20	M/s Y.Mahabaleswarappa & Sons(BVP-07)	1.09	0.37	0.37	3.40
21	M/s Bellary Iron Ores Private Limited	3.91	1.33	1.33	3.40
22	M/s. Enercon India Ltd Wind World India Ltd	29.53	10.04	10.04	3.40
23	Prasad Global Solutions I (41)	0.68	0.23	0.23	3.40
24	Prasad Global Solutions II (50)	0.65	0.22	0.22	3.40
25	Fatehpuria Transformers & Switchgears(Pvt.)Ltd				
26	VXL Systems	0.73	0.25	0.25	3.40
27	Gangadhar Narasingdas Agarwal I (45)	2.12	0.72	0.72	3.40
28	Gangadhar Narasingdas Agarwal II (47)	1.49	0.51	0.51	3.40
29	Abhilash Garments&Estates(P)ltd	0.80	0.27	0.27	3.40
30	Siddaganga Oil extraction pvt ltd	1.60	0.54	0.54	3.40
31	M/s Tecno Rings, Simogga	1.73	0.64	0.64	3.70
32	M/s Rajasthan Gum Pvt Ltd,Jodpur (I, II, III, IV)	6.52	2.41	2.41	3.70
33	M/s H.G Rangan Goud ,Hospet	1.82	0.67	0.67	3.70
34	M/s MR Pasalkar	1.12	0.41	0.41	3.69
35	M/s Sterling Agro Industries Ltd	3.74	1.38	1.38	3.70
36	Thuppada Halli	79.69	29.48	29.48	3.70

37	Srinivasa Hatcheries Ltd ,Hyderabad		1.65		0.61	0.61	3.70
38	Thirupathi Microtec Pvt Ltd		1.05		0.39	0.39	3.70
39	Kanna Industrial Pipes Pvt Ltd		2.03		0.75	0.75	3.70
40	Rameshkumar Hanjarimal Rathod		1.15		0.42	0.42	3.67
41	Gemscab Industries ltd		0.87		0.30	0.30	3.40
NCE-Wind - Mill Projects Total:			170.73		61.05	61.05	3.58

Transmission Charges							
1	NTPC VVNL - Transmission Charges			0.61		0.61	
2	KPTCL Transmission Charges		158.12		158.12		
3	Southern Regions (PGCIL)		126.53		126.53		
4	M/s Damodar Valley Corporation-Trannsmision Charges						
5	TANGEDCO Transmission Charges		0.01		0.01		
TOTAL-Transmission Charges			0.00	285.27	0.00	285.27	
Other Expenses							
1	CGS UI Charges		-6.34		-2.59	-2.59	
2	POSCO Charges to (PCKL bill)		0.15			0.15	
3	Reactive Charges		-0.36			-0.36	
4	SLDC charges.		1.12			1.12	
5	TBHE						
6	Other Non Recurring						
7	Indian Energy Exchange		-32.24		-5.40	-5.40	1.68
8	PTC india Limited-DELHI		-20.97		-9.73	-9.73	4.64
9	PTC india Limited-HARYANA		-7.91		-3.96	-3.96	5.01
10	PTC india Limited-Open Access Charges(DELHI)			0.78		0.78	
11	PTC india Limited-Open Access Charges(HPPC)			1.21		1.21	
12	Energy Balancing						
Other Expenses Total:			-67.45	2.91	-21.69	-18.78	
GRAND TOTAL:			2958.81	759.28	786.09	1601.09	5.41