

SYSTEM PERFORMANCE REPORT



APRIL'2020

,SLDC, OPTCL
BHUBANESWAR – 17

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SUMMARY REPORT FOR APRIL- 2020

A. Voltage Profile

<u>220 KV</u>			<u>Date & Time</u>	<u>Location</u>
	Maxm. -	255.25 kV	21.04.2020 21:00Hrs	New Duburi
		>240 KV		Atri, Balasore, Bhadrak, Bhanjanagar, Bidanasi, Chandaka, Cuttack, New Duburi, Jayanagar, Joda, Laxmipur, Mendhasal, Narendrapur, Nayagarh, Theruvali.
	Minm. -	194.86 kV	02.04.2020 09:45 Hrs	Bolangir New
		< 200 KV		Bolangir New, Budhipadar.
<u>132 KV</u>	Maxm. -	147.92 kV	08.04.2020 19:00 Hrs	Narendrapur
		>145 KV		Chainpal, Narendrapur.
	Minm. -	113.33 kV	02.04.2020 09:45 Hrs	Bolangir
		< 120 KV		Bolangir, Bolangir New.

B. Frequency Profile

		<u>Date & Time</u>
Maxm. -	50.29 Hz	04.04.20 18:02 Hrs.
Minm. -	49.62 Hz	01.04.20 22:09 Hrs.
Average -	50.01 Hz	
% of time the freq. is within 49.9 Hz to 50.05 Hz (IEGC band)	-	73.16%
% of time the freq. is > 50.05 HZ	-	22.06%
% of time the freq. is ≤49.9 HZ	-	4.78%
% of time the freq. is < 48.5 HZ	-	0.00%

C. Demand Profile

Peak System Demand	3622.81 MW	At 20:00 Hrs on 14.04.20
Minimum System Demand	1755.00 MW	At 19:00 Hrs on 24.04.20
Average System Demand	2878 MW	

D. Major events

<u>Sl. No</u>	<u>Date</u>	<u>Details of event</u>
1	14.04.2020	At 12:10 Hrs, 40 MVA,132/33 kV Power Transformer -I at Grid S/S, Soro charged(capacity added from 20 MVA to 40 MVA).
2	19.04.2020	At 11:27 Hrs, 40 MVA,132/33 kV Power Transformer -I at Grid S/S, Ghess charged.

GENERATION CAPACITY

STATE SECTOR GENERATION

All Figures in MW

SL.NO.	NAME OF POWER STATION	INSTALLED CAPACITY		FIRM POWER (MW)
1	O.H.P.C.			
	HIRAKUD POWER STATION			
	(a)BURLA	2x49.5 = 99 2x32 = 64 3x37.5 = 112.5	275.5	134
	(b)CHIPLIMA	3x24	72	
	BALIMELA POWER HOUSE	6x60 + 2x75	510	135
	RENGALI POWER HOUSE	5x50	250	60
	UPPER KOLAB POWER HOUSE	4x80	320	95
	INDRAVATI POWER HOUSE	4x150	600	224
	MACHHKUND POWER HOUSE (Orissa Share 30%, Purchase upto 20% extra)	3x17 = 51.00 3x23= 69	36	30
	TOTAL HYDRO (A)	2063.5		
2	N.T.P.C.(TAKEN OVER)			
	TTPS STAGE-I	4x60 = 240	160.2 (Auxilliary 10.5 %, Avalability 80%)	160.2 (Auxilliary 10.5 %, Avalability 80%)
	TTPS STAGE - II	2x110 = 220	146.85 (Auxilliary 10.5 %, Avalability 80%)	146.85 (Auxilliary 10.5 %, Avalability 80%)
	TOTAL TTPS	460		
3	O.P.G.C.			
	IB TPS	2x210 = 420	342.09 (Auxilliary 9.5 %, Avalability 90%)	342.09 (Auxilliary 9.5 %, Avalability 90%)
	IB TPS-Stage-II	2x660 = 1320	(75) 833.085 (Share 75%, Auxilliary 6.5 %, Avalability 90%)	833.085 (Share 75%, Auxilliary 6.5 %, Avalability 90%)
	TOTAL THERMAL (B)	2200		

CENTRAL SECTOR GENERATION

SL.NO.	NAME OF POWER STATION	INSTALLED CAPACITY	OPTCL'S SHARE OF INSTALLED CAPACITY ON REALTIME BASIS.		AUX. CONS.	% AGE AVAILABILITY (excluding UA)
			% age	MW	%	%
1	CHUKHA (BHUTAN)	4 x 84 = 336 (Considering 270 MW, total availability)	15.19	41.00		85
2	TALA HEP (BHUTAN)	6 x 170 = 1020	4.25	43.40		
3	FARAKKA (WEST BENGAL)	3 x 200 = 600 2 x 500 = 1000 1 x 500 = 500	13.63 16.62	218.08 83.10	7.5	77.91 85
4	KAHALGAON (BIHAR)	4 x 210 = 840 3 x 500 = 1500	15.24 2.05	132.47 39.30	9 9	53.98 62.11
5	TSTPP, KANIHA (ORISSA)	2 x 500 = 1000 4 x 500 = 2000	31.8 10	318.00 200.00	7.5 7.5	85
6	TISTA HEP (SIKKIM)	3 x 170 = 510	20.59	105.00		85
7	MANGDECHU HEP, BHUTAN	4x180	9.33+1.65	90.87		
8	MTPS (Mijafarpur) (BIHAR)	2x195	8.53	33.27		
9	DARLIPALI STPS	1X800	58.82	470.56		
	TOTAL ISGS			1775.05		

GRAND TOTAL, (A) + (B) + (C) = 6038.55

Firm power for OHPC stations has been computed as per design energy of the stations approved by CEA. Firm availability of State Thermal as per CERC /OERC norms. ISGS share of power is as per CGS power allocation sheet of CEA as on 01.07.2013.

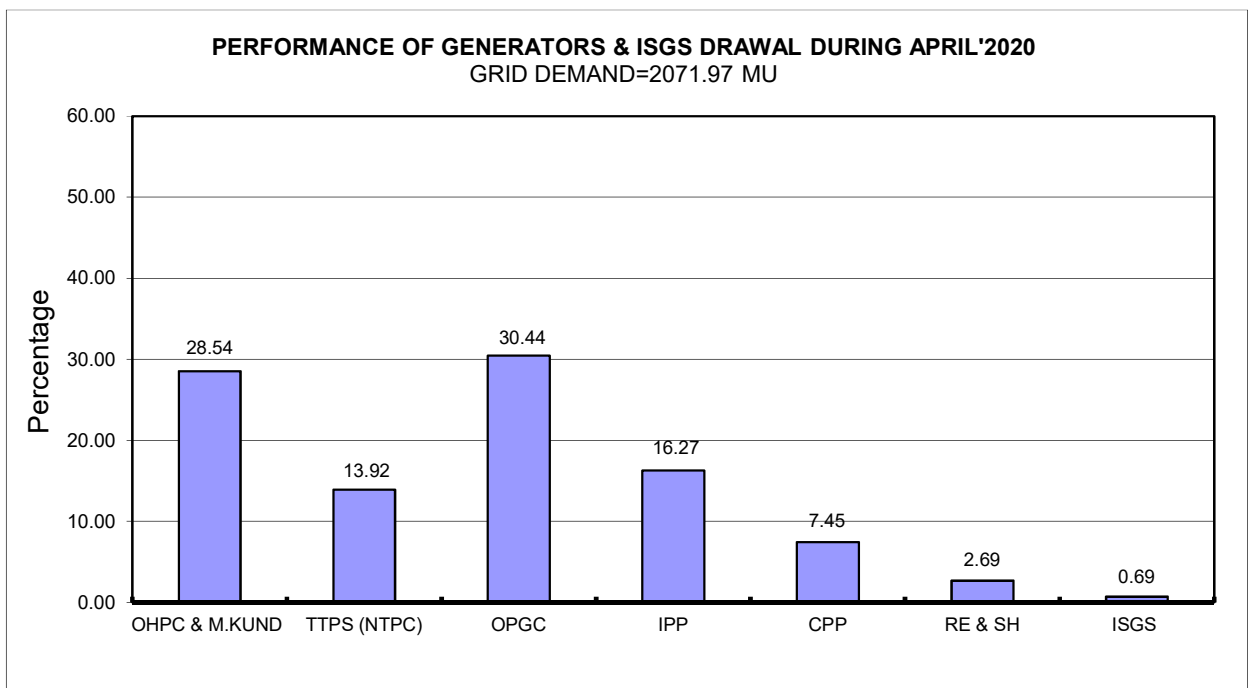
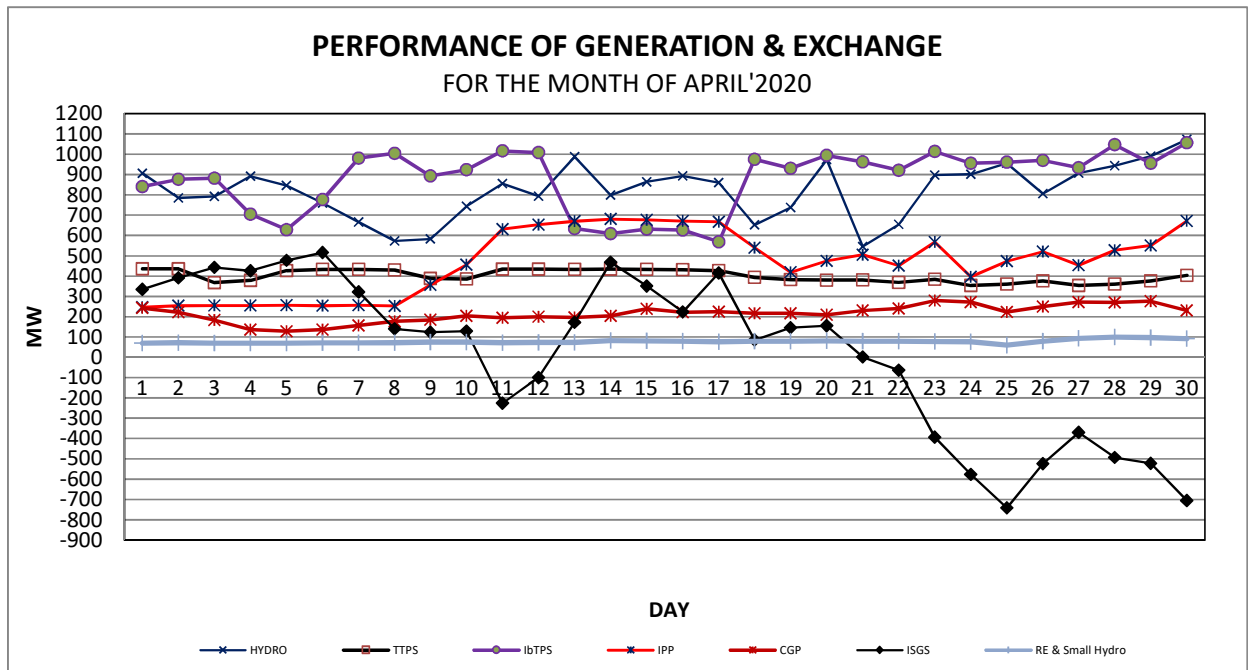
CAPACITY OF IPP, CPP, SMALL HYDRO & RENEWABLE

Sl.No	POWER STATION	INSTALLED CAPACITY	TOTAL	TYPE	VOLTAGE LEVEL
IPP & SMALL HYDRO					
1	MEENAKSHI POWER LTD.	3 X 4 + 2 X 12.5	37	SMALL HYDRO	132 kV
2	ORISSA POWER CONSORTIUM LTD.	4 X 5	20	SMALL HYDRO	132 kV
3	VEDANTA LTD., JHARSUGUDA(IPP)	1 X 600	600	THERMAL	400kV
4	GMR KAMALANGA ENERGY LTD.	3 X 350	1050	THERMAL	400kV
5	JITPL	2 X 600	1200	THERMAL	400kV
6	NBVL (MERAMUNDALI)	1 X 60=60	60	THERMAL	132 kV
	TOTAL		2967		

CPP					
1	AARATI STEEL GHANTIKHAL	1 X 40 + 1 X 50	90	THERMAL	132 kV
2	ACC. BARGARH	1 X 30	30	THERMAL	132 kV
3	ACTION ISPAT & POWER PVT. LTD.	1 X 12 + 1 X 25 + 1 X 43	80	THERMAL	132 kV
4	ARYAN ISPAT & POWER PVT. LTD.	1 X 18	18	THERMAL	132 kV
5	ADITYA ALUMINIUM Ltd	6X 150	900	THERMAL	220 kV
6	BHUBANESWAR POWER PVT. LTD.	2 X 67.5	135	THERMAL	132 kV
7	BHUSAN STEEL LTD.,MERAMUNDALI	1 X 33+1 X 77+ 2 X 150+2 X 165	740	THERMAL	220 kV
8	BHUSAN POWER & STEEL LTD,	1X60 + 1X40 +3X130 + 2 X 8	506	THERMAL	220 kV
9	EMAMI PAPER MILLS.	1 X 15 + 1 X 5	20	THERMAL	132 kV
10	ESSAR POWER LTD	2x30	60	THERMAL	220 kV
11	FACOR POWER	1X 45	45	THERMAL	132 kV
11	HPCL(HINDALCO),(HIRAKUD)	1 X 67.5 + 3 X 100	367.5	THERMAL	132 kV
12	IMFA(CHOUDWAR)	2 X 54 + 1 X 30 + 2 X 60	258	THERMAL	132 kV
13	IFFCO (PARADEEP)	2 X 55	110	THERMAL	132 kV
14	JINDAL STAINLESS LTD., DUBURI	2 X 125 + 1 X 13	263	THERMAL	220 kV
15	JINDAL STEEL & POWER LTD., ANGUL	6 X 135	810	THERMAL	220 kV
16	NINL (DUBURI)	2 X 19.25 + 1 X 24	62.5	THERMAL	220 kV
17	MAHAVIR FERRO ALLOYS PVT. LTD.	1 X 12	12	THERMAL	33 kV
18	MAITHAN ISPAT NIGAM LTD., Jajpur Rd	1 X 30	30	THERMAL	220 kV
19	MSP METTALLICS LTD.	1 X 25	25	THERMAL	132 kV
20	NALCO(ANGUL)	10 X 120	1200	THERMAL	220 kV
21	NALCO(DAMANJODI)	18.5 X 4	74	THERMAL	132 kV
22	NARBHERAM POWER & STEEL PVT.	1 X 8	8	THERMAL	132 kV
23	NBVL (MERAMUNDALI)	1 X 30 + 1X 64	94	THERMAL	132 kV
24	OCL INDIA LTD., RAJGANGPUR	2 X 27	54	THERMAL	132 kV
25	OISL, RAJGANGPUR	1 X 35	35	THERMAL	132 kV
25	ORISSA SPONGE IRON & STEEL LTD.	1 X 24	24	THERMAL	132 kV
26	PATTANAIK STEEL, (KEONJHAR)	1 X 15	15	THERMAL	33 kV
27	RATHI STEEL & POWER LTD. (Katapalli)	1 X 20	20	THERMAL	33 kV
28	RSP(ROURKELA)	2 X 60 + 4 X 25	220	THERMAL	220 kV
29	SEVEN STAR STEELS LTD.	1 X 8	8	THERMAL	33 kV
30	SHYAM DRI, (PANDOLI, SAMBALPUR)	1 X 30	30	THERMAL	132 kV
31	SMC POWER GENERATION LTD.	1 X 8 + 1 X 25	33	THERMAL	132 kV
32	SREE GANESH	1 X 32	32	THERMAL	132 kV
33	TATA SPONGE IRON (JODA)	1 X 18.5 + 1 X 7.5	26	THERMAL	220 kV
34	TATA POWER & STEEL, (K NAGAR)	2 X 67.5	135	THERMAL	220 kV
35	UTKAL ALUMINA, LAXMIPUR	3x30	90	THERMAL	220 kV
36	VEDANTA LTD.(SEZ),JHARSUGUDA	3 X 600	1800	THERMAL	400 kV
37	VEDANTA (JHARSUGUDA))	9 X 135	1215	THERMAL	220 kV
38	VEDANTA (LANJIGARH)	3 X 30	90	THERMAL	132 kV
39	VISA STEEL LTD., (NEW DUBURI)	3 X 25	75	THERMAL	220 kV
40	YAZDANI STEEL & POWER.	1 X 10	10	THERMAL	33 kV
		TOTAL	9850		

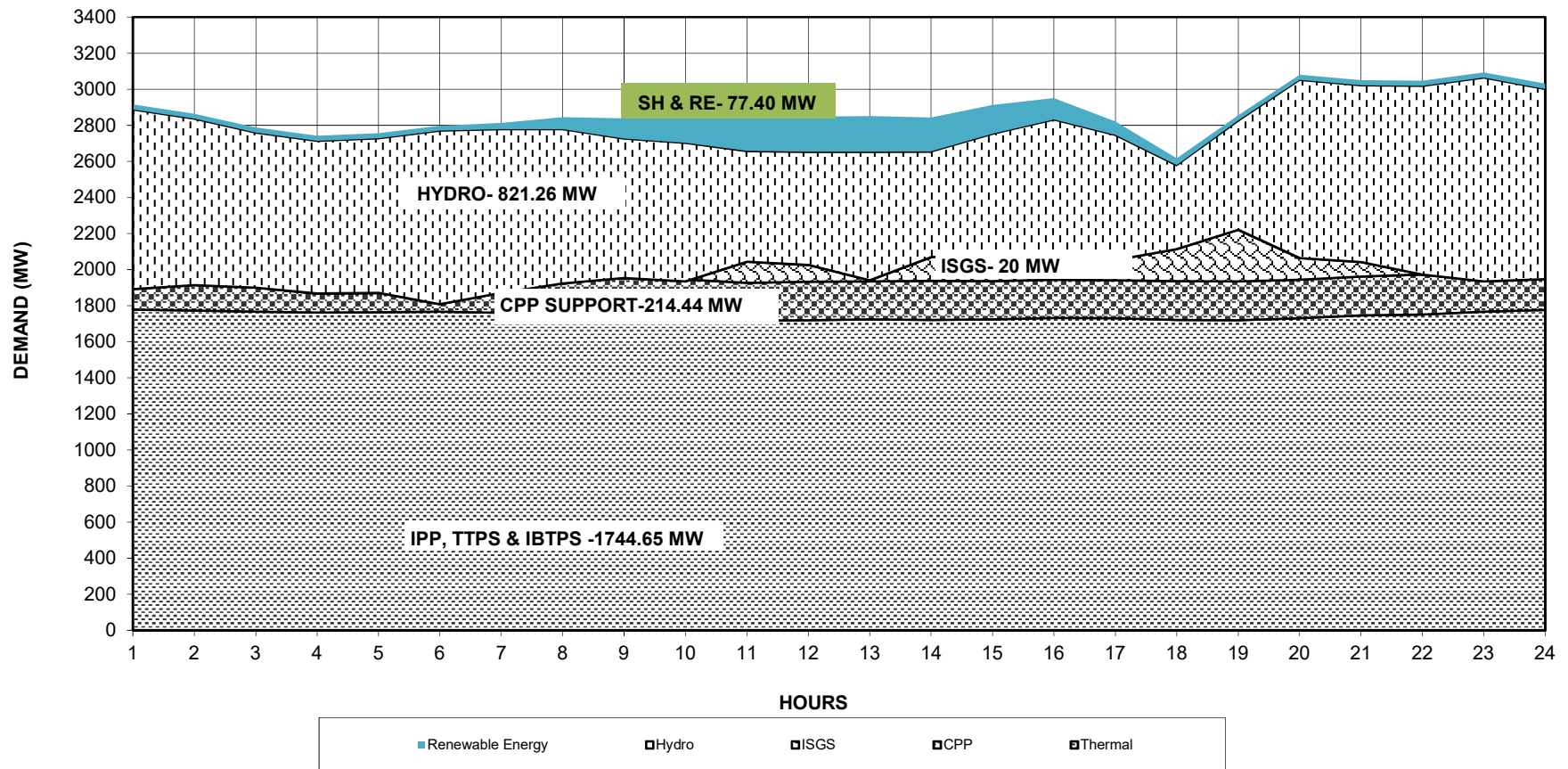
RENEWABLE PROJECTS

SLNo	POWER STATION	INSTALLED CAPACITY	TOTAL	TYPE		CONNECTIVITY VOLTAGE
1	ABACUS HOLDINGS PVT. LTD, SONEPUR	1 MW	1	SOLAR		11 KV
2	AFTAAB SOLAR PVT. LTD., BOLANGIR (N)	5 MW	5	SOLAR		33 KV
3	ALEX GREEN ENERGY PVT LTD. PATNAGARH	5 MW	5	SOLAR		33 kV
4	JAY IRON & STEEL, BAMARA	1 MW	1	SOLAR		11 KV
5	J.K. PAPER LTD., THERUVALI	25 MW	25	BIOMASS		132 KV
6	M.G.M. GREEN ENERGY., CHANDPUR	1 MW	1	SOLAR		11 KV
7	MOLISATI VINIMAY PVT. LTD. BARKOTE	1 MW	1	SOLAR		11 KV
8	OCL SOLAR, SALIPUR	2.5 mw	2.5	SOLAR	SELF	132 kV
9	VIVACITY R.E PVT. LTD, CHANDPUR	1 MW	1	SOLAR		11 KV
10	RAAJRATNA ENERGY PVT. LTD. BOLANGIR (N)	1 MW	1	SOLAR		11 KV
11	S. N. MOHANTY, BARANGA, CHANDAKA	1 MW	1	SOLAR		11 KV
12	SHALIVAHAN GREEN ENERGY LTD.	20 MW	20	BIOMASS		132 KV
13	MAHAVIR FERRO ALLOYS (SOLAR), BANEI	1 MW	1	SOLAR		33 KV
14	MCL, BURLA, KATAPALI	2 MW	2	SOLAR	SELF	11 kV
15	ACME SOLAR, MURSING, BOLANGIR-SAINTALA	25 MW	25	SOLAR		132 kV
16	GEDCOL, MANMUNDA, SONEPUR	20 MW	20	SOLAR		33 kV
17	JYOTI SOLAR SOLUTIONS(P) LTD	10 MW	10	SOLAR		33 kV
18	SADIPALI SOLAR	20 MW	20	SOLAR		33 kV
19	BEL, SAINTALA	7.5 MW	7.5	SOLAR		132 kV
20	DAKSHIN ODISHA URGU PVT. LTD, PADMAPUR	40 MW	40	SOLAR		132 kV
21	VENTO POWER& ENERGY LTD, Dendugoda, KESINGA	2x40 MW	80	SOLAR		132 kV
22	VENTO POWER& ENERGY LTD, Tusara	2x40 MW	80	SOLAR		132 kV
23	VENTO POWER& ENERGY LTD, Tentulikhunti	1x40 MW	40	SOLAR		132 kV
24	IMFA SOLAR, Theruvali	1.5	1.5	SOLAR	SELF	33 kV
		TOTAL	391.5			
	GRAND TOTAL (SMALL HYDRO,IPP & CPP)		19247.05			

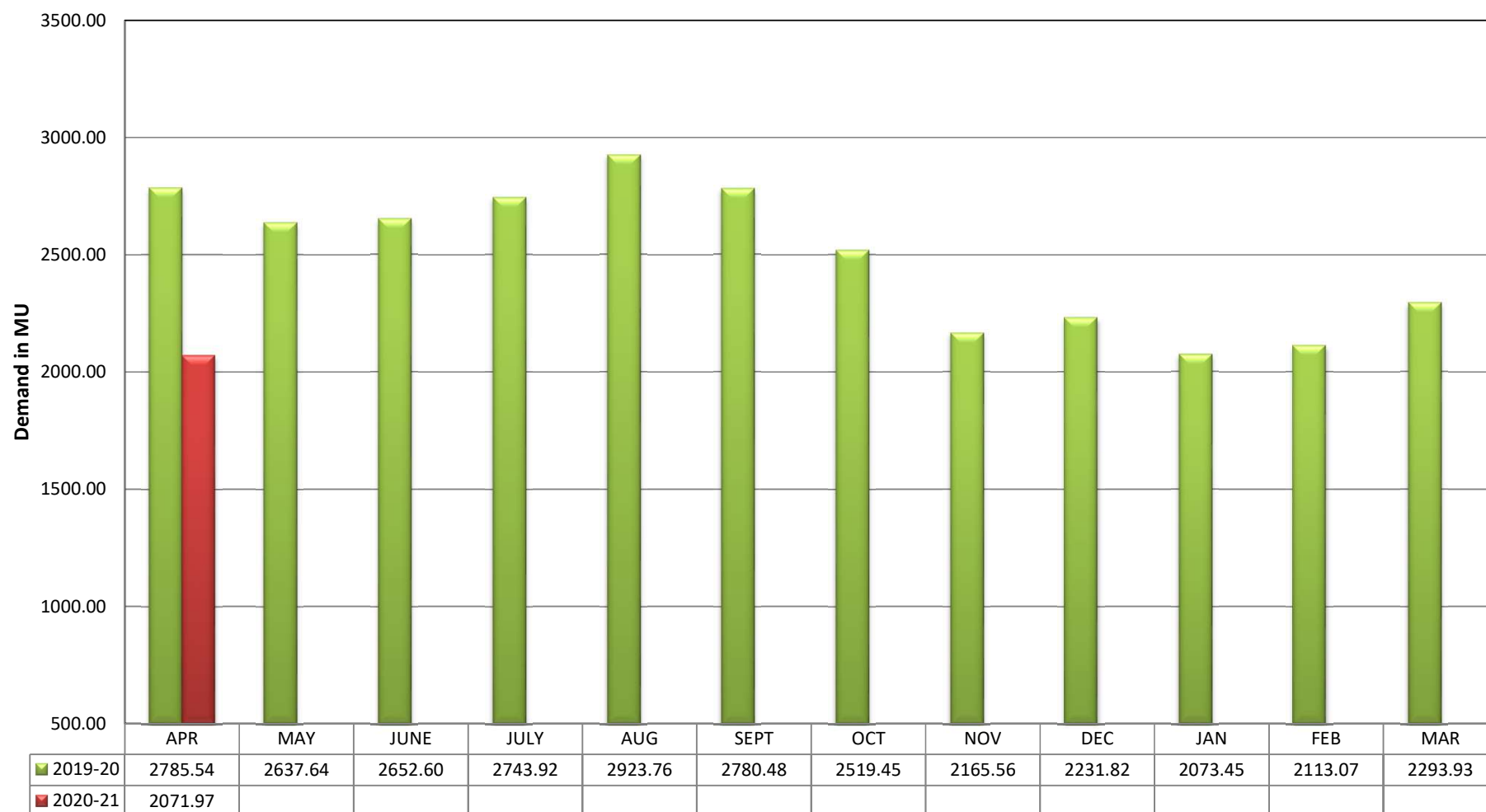


AVERAGE GRID DEMAND [HOURLY] FOR THE MONTH OF APRIL'2020

Average Demand=2877.74 MW



COMPARISON SYSTEM DEMAND WITH PREVIOUS FINANCIAL YEAR



MONTHLY GENERATION & DEMAND REPORT FOR THE STATE OF ODISHA IN THE MONTH OF APRIL- 2020

(A)SELF GENERATION

SL No.	Name of Gen. Station	Unit wise generation (MU)									Average MW	Auxiliary MU	Maximum Generation in MW	DATE	Time
		Unit-I	Unit-II	Unit-III	Unit-IV	Unit-V	Unit-VI	Unit-VII	Unit-VIII	Total					
1	Burla	0.000	18.767	11.362	14.830	0.000	0.000	0.000	0.000	44.959	62.443	0.216	108.02	6	20.00
2	Chipilima	12.462	4.649	1.604	-	-	-	-	-	18.715	25.993	0.960	43.60	20	18.00
4	Balimela	0.000	0.000	22.582	0.000	24.599	17.298	20.125	21.884	106.488	147.900	0.096	301.90	5	20.00
5	Rengali	25.396	22.011	15.459	22.102	22.629	-	-	-	107.597	149.441	0.109	245.32	7	16.00
6	Upper Kolab	31.876	30.474	0.000	24.771	-	-	-	-	87.121	121.001	0.360	231.98	5	23.00
7	Upper Indravati	24.082	67.883	54.586	57.206	-	-	-	-	203.756	282.994	4.470	605.10	27	22.00
8	Total Hydro (OHPC)	-	-	-	-	-	-	-	-	568.636	789.773				
9	Machhakund (Orissa drawal)	-	-	-	-	-	-	-	-	27.553	38.268		49.29	24	22.00
10	Total Hydro	-	-	-	-	-	-	-	-	596.189	828.041		1488.92	20	23.00
11	TTPS-I	41.651	40.952	41.177	41.553	-	-	-	-	165.333	229.629		223.00	1	19.00
12	TTPS-II	72.985	69.642	-	-	-	-	-	-	142.627	198.093		217.92	1	4.00
13	Total TTPS	-	-	-	-	-	-	-	-	307.960	427.722	34.114	440.24	1	19.00
14	IBTPS	104.21	109.885	-	-	-	-	-	-	214.090	297.347	25.868	1094.90	30.00	18.00
15	IBTPS-II	-	-	276.087	268.309	-	-	-	-	544.396	756.106	36.419			
16	Total IBTPS	-	-	-	-	-	-	-	-	758.486	1053.453				
17	IPPs & CGPs Support	-	-	-	-	-	-	-	-	481.320	668.499				
18	Total Thermal & IPPs & CGP	-	-	-	-	-	-	-	-	1547.766	2149.674		2472.43	30	21.00
19	Injection by Renewable projects	41.57688	-	-	-	-	-	-	-	41.577	57.746				
20	Total self generation	-	-	-	-	-	-	-	-	2185.532	3035.461	102.613	3933.63	30	22.00

Note: 1. All the figures stated above are taken from operational meters. Those figures should not be used for any commercial calculation.

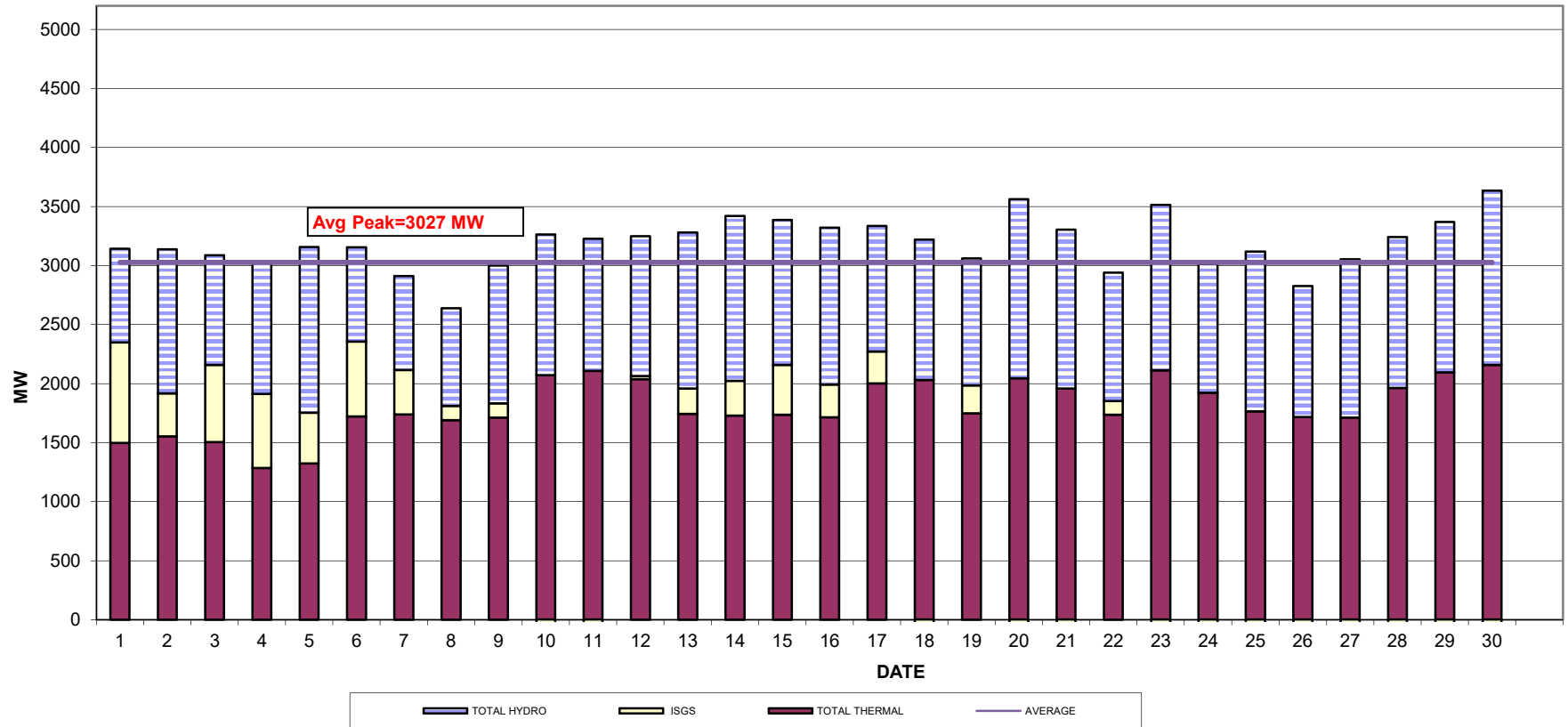
(B) IPPs / CGPs injection :-

Sl. No.	Name of IPP / CGPs	Injection in (MU)	Average (MW)	Maximum Injection (MW)	DATE	TIME (Hr.)	Name of the Tie line	Net		Avg	Maximum Import (MW)	DATE	TIME	Maximum Export (MW)	DATE	TIME
								MU	MW							
1	Aarti Steel Ltd, ghanthkhal	0.104	0.145	18.23	30	23.00	132KV JODA-KENDUPOSI	-11.19	-15.54					-45.99	1	21.00
2	ACC	0.000	0.000				132KV KALABADIA-BANGIRIPOSI	8.47	11.76	52.53	14	22.00		-52.76	20	22.00
3	Action Ispat	0.000	0.000				132KV KALABADIA-BARIPADA	18.38	25.53	50.23	10	24.00				
4	Aryan Ispat,	0.214	0.297				132 KV BHOGRAI-KUCHEI	9.49	13.18	25.20	2	22.00				
5	BPPL	49.543	5.763	117.45	24	3.00	132 KV JALESWAR-KUCHEI	13.43	18.65	37.87	2	22.00				
6	BPSL, Jharsuguda	4.149	5.763	19.42	1	7.00	220KV JODA-JAMSHEDPUR	-17.38	-24.14	44.58	19	16.00		-103.15	10	24.00
7	BSL, Meramundali	12.287	17.066	55.01	10	22.00	220KV JODA-RAMCHANDRAPUR	30.12	41.83	83.51	21	8.00		-16.34	9	23.00
8	GMR Kamalanga Energy Ltd.(IPP)	158.934	220.742				220KV RENGALI SV- RENGALI P.G-I	-9.06	-12.58	37.85	8	20.00		-56.53	27	10.00
9	HINDALCO, Hirakud	1.238	1.719				220KV RENGALI SV- RENGALI P.G-II	-13.08	-18.17	46.87	8	20.00		-72.66	17	13.00
10	IFFCO, Paradeep	0.0000	0.000				220KV JAYANAGAR JEYPORE PG-I	-34.62	-48.09	30.31	24	18.00		-119.06	27	20.00
11	IMFA, Choudwar	11.338	15.747	53.20	26	1.00	220KV JAYANAGAR JEYPORE PG-II	-36.45	-50.63	29.99	24	18.00		-122.62	27	20.00
12	JINDAL, New Duburi	0.000	0.000	0.00	1	1.00	220KV RENGALI P.H-KANIHA	-38.43	-53.37	16.94	18	21.00		-106.78	27	10.00
13	JSPL, Angul	38.623	53.643	77.83	25	19.00	220KV TTPS-KANIHA	3.78	5.25	73.51	30	20.00		-30.94	1	14.00
14	Mahavir Ferro Alloys	0.000	0.000				220KV MERAMUNDALI-KANIHA-I	38.18	53.03	113.54	25	20.00				
15	Mailhan Ispat Ltd.	0.000	0.000				220KV MERAMUNDALI-KANIHA-II	38.17	53.02	113.60	25	20.00				
16	Meenakshi Power Ltd. (SH)	13.016	18.078				220KV TARAKARA-BISRA-I & II	59.53	82.68	204.38	2	8.00		-37.78	26	4.00
17	MSP, Jharsuguda	0.000	0.000				220 KV KALABADIA-BALASORE-I&II	124.24	172.55	284.89	20	23.00				
18	NALCO, Angul	9.01	12.521	47.24	30	21.00	220KV KATAPALI- BOLANGIR(PG)	-17.51	-24.32	20.38	2	11.00		-102.58	6	18.00
19	Narberham	0.000	0.000				220KV SADEPALI - BOLANGIR(PG)	86.66	120.36	221.38	15	6.00		-60.98	28	14.00
20	NBVL, Kharag Prasad	0.226	0.314	19.88	29	16.00	220KV BUDHIPADAR-KORBA-I	-66.33	-92.13	0.00	31	1.00		-157.36	25	7.00
21	NINL, Duburi	0.000	0.000				220KV BUDHIPADAR-KORBA-II	33.38	46.36	88.84	17	19.00		-157.36	25	7.00
22	OCL	0.023	0.032				220KV BUDHIPADAR-KORBA-III	30.56	42.44	84.96	29	11.00		0.34	27	20.00
23	OPCL, Samal (SH)	7.431	10.321				220KV ATRI- PANDIVIL	110.74	153.80	244.17	6	17.00		-0.84	25	6.00
24	PSAL, Keonjhar	0.000	0.000				220KVSAMANGHARA- PANDIVIL	0.00	0.00	0.00	1	1.00				
25	RSP, Rourkela	0.000	0.000				220KV KEONJIHAR 220KV KEONJIHAR	0.51	0.70	5.87	2	22.00				
26	Shree Ganesh	0.000	0.000				220KV KEONJIHAR 220KV KEONJIHAR	0.36	0.49	3.97	3	23.00				
27	Shyam Metalics	0.303	0.421				400KV INDRAVATI P.H-P.G	-69.67	-96.76	61.72	14	8.00		-278.38	27	2.00
28	SMC Power	0.030	0.041				400KV MERAMUNDALI-KANIHA	225.26	312.86	951.29	10	4.00		-232.88	1	14.00
29	TSPL	3.441	4.779				400KV MERAMUNDALI-ANGUL-I&II	-96.34	-133.81	135.65	30	13.00		-386.49	6	18.00
31	Vedanta Ltd. (IPP-Unit-2)	163.851	227.571				400KV MENDHASAL - PANDIABIL-I &II	-177.29	-246.24	0.00	31	1.00		-475.69	9	22.00
32	Vedanta, Jharsuguda	1.515	2.105				400KV DUBURI - PANDIABIL	90.46	125.64	297.52	23	4.00		-40.38	21	12.00
33	Vedanta, Lanjigarh	0.630	0.875				400KV DUBURI - BARIPADA	87.56	121.62	265.51	21	11.00		-25.86	25	21.00
34	VISA Steel, New-Duburi	1.960	2.722	5.19	14	4.00	400KV VEDANTA-JHARSUGUDA Ckt-I	-79.46	-110.36	71.22	1	14.00		-334.18	26	6.00
35	Yazdani Steel & Power Ltd., J.J Rd	0.000	0.000				400KV VEDANTA-JHARSUGUDA Ckt-II	-79.57	-110.52	71.31	1	14.00		-334.72	26	6.00
35	Vedanta Ltd. (3*600)	3.448	4.789				400KV OPGC-JHARS PG - I	-123.62	-171.69	61.89	17	12.00		-377.64	26	6.00
	Total support from CPPs	481.320	668.499				400KV OPGC-JHARS PG - II	-124.11	-172.37	60.29	17	12.00		-377.11	26	6.00
							Net ISGS	15.16	21.05	947.14	14	8.00				

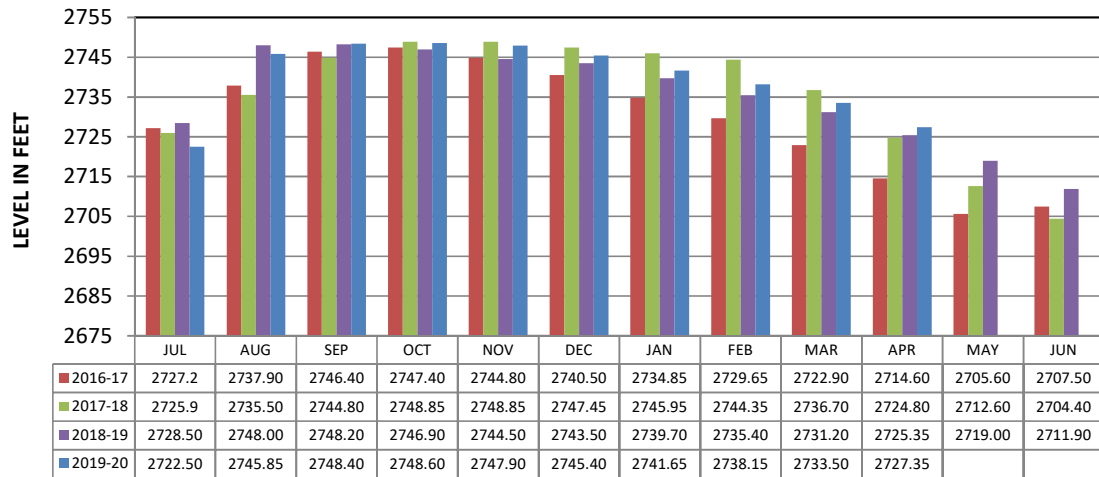
ABSTRACT OF SYSTEM DEMAND

Particulars	Energy MU	Average MW	Peak MW	DATE	TIME
Total gross generation(Including CPP+IPP)	2185.532	3035.461	3343.05	14	20.00
Power Station Auxiliary consumption	102.613	142.518			
Total net generation(Including CPP+IPP)	2082.918	2892.942	3329.82	14	20.00
Net ISGS	15.157	21.051	292.99	14	20.00
System Demand	2098.075	2913.993	3622.81	14	20.00
Trading					
Average of Peak Demand (MW)		3150.420			
Average of Minimum Demand (MW)		2497.959			

DAILY GENERATION SHARING DURING PEAK DEMAND DURING APRIL- 2020

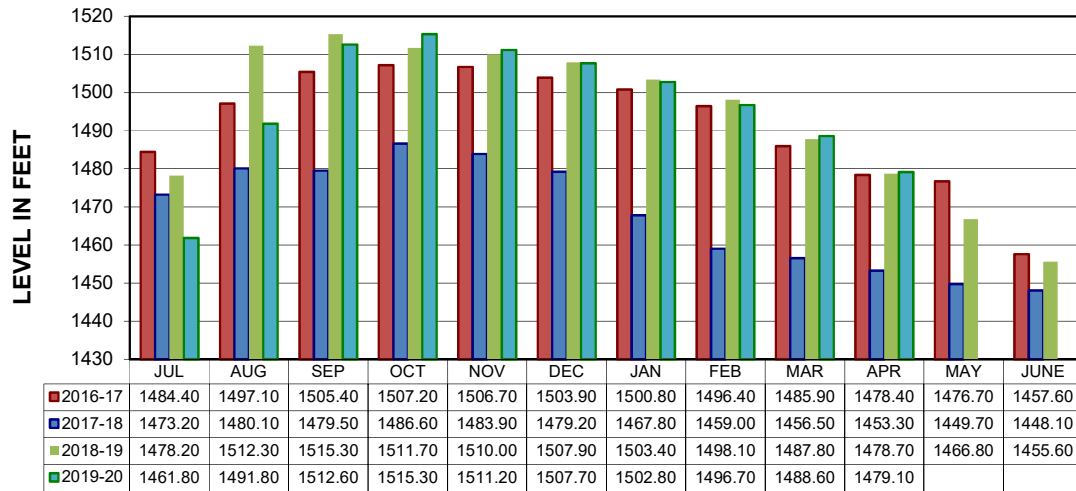


JOLAPUT RESERVOIR LEVEL



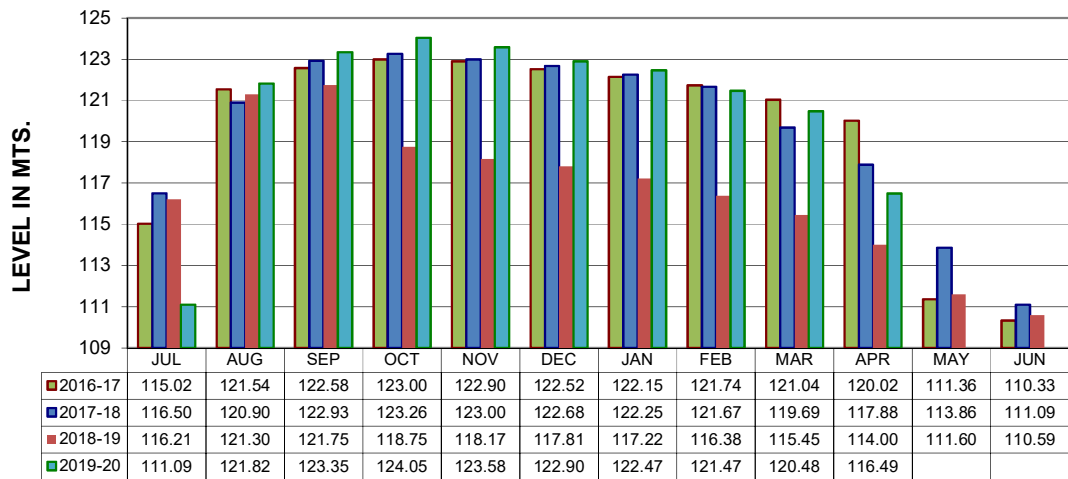
MONTH (End)

BALIMELA RESERVOIR LEVEL



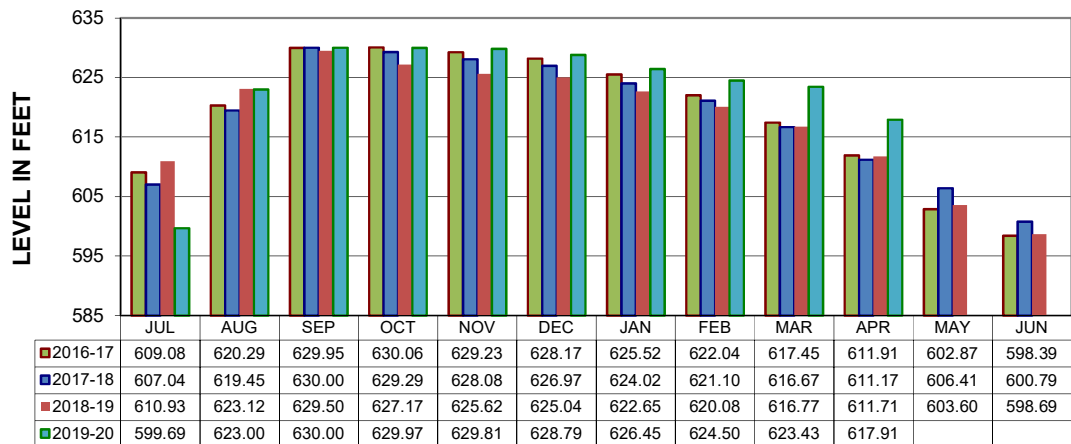
MONTH (End)

RENGALI RESERVOIR LEVEL



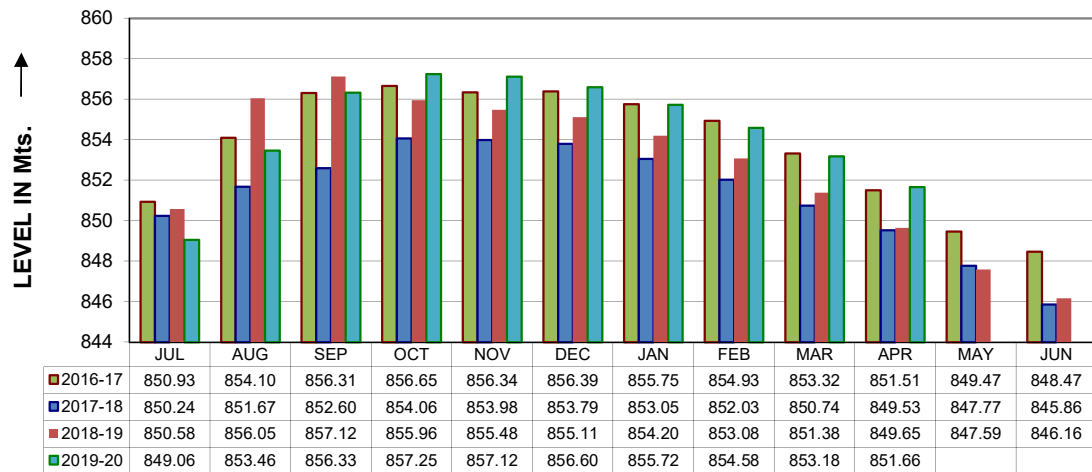
MONTH (End)

HIRAKUD RESERVOIR LEVEL



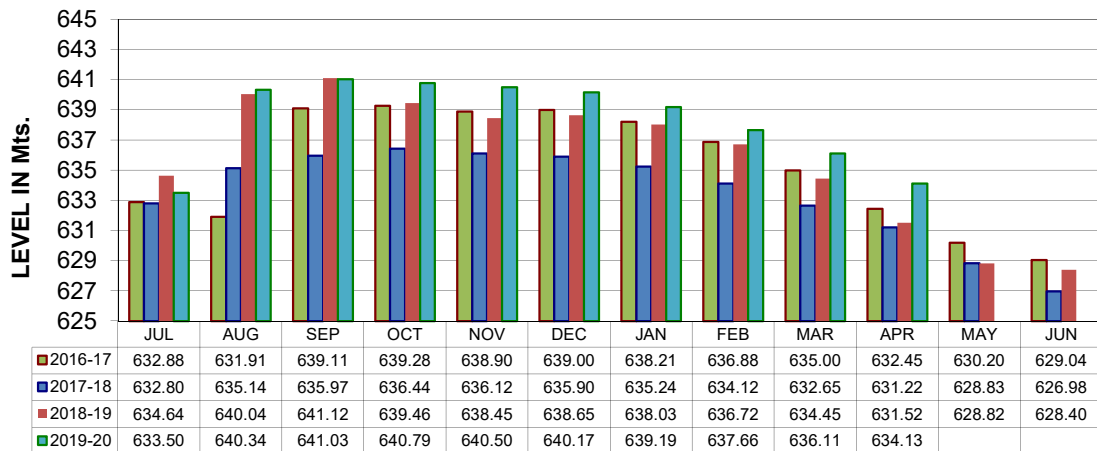
MONTH (End)

U.KOLAB RESERVOIR LEVEL



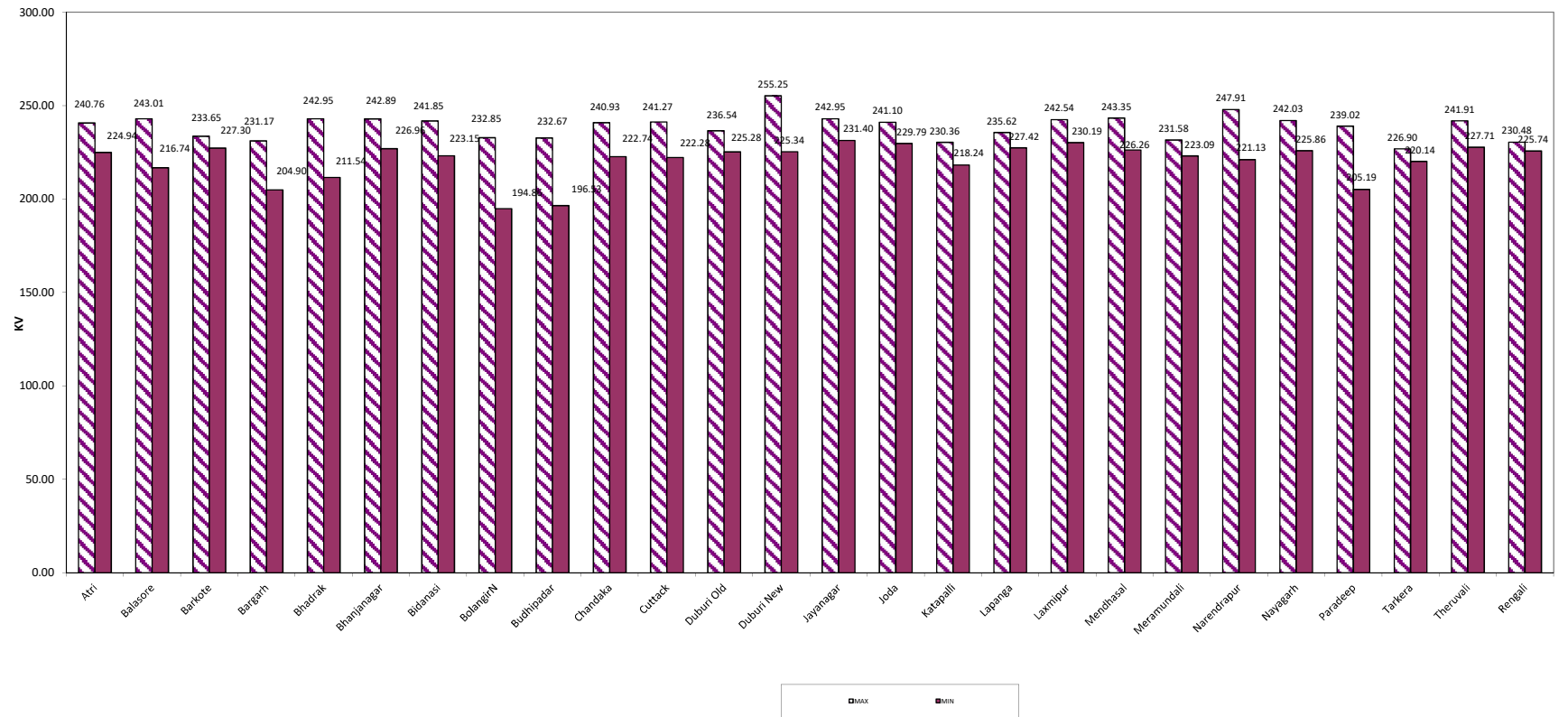
MONTH (End)

INDRAVATI RESERVOIR LEVEL



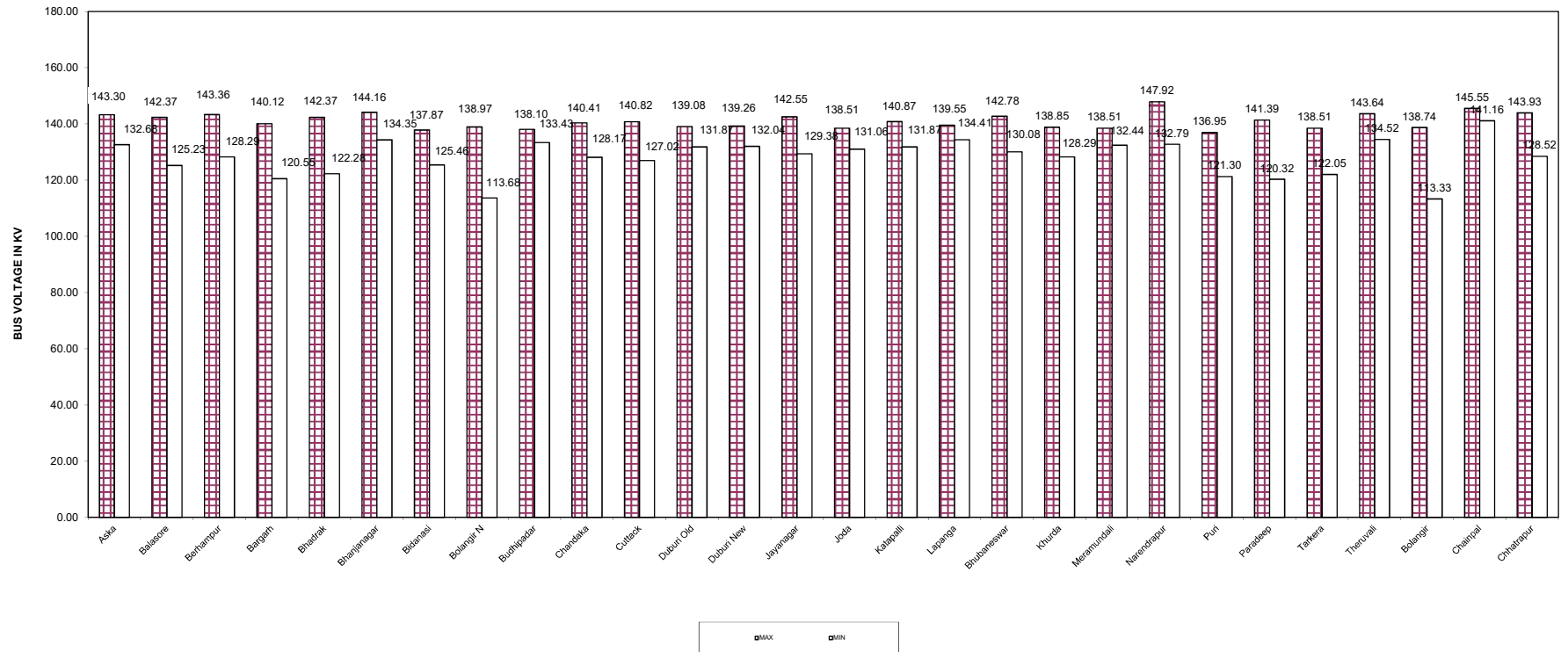
MONTH (End)

VOLTAGE PROFILE OF 220KV S/S FOR APRIL- 2020

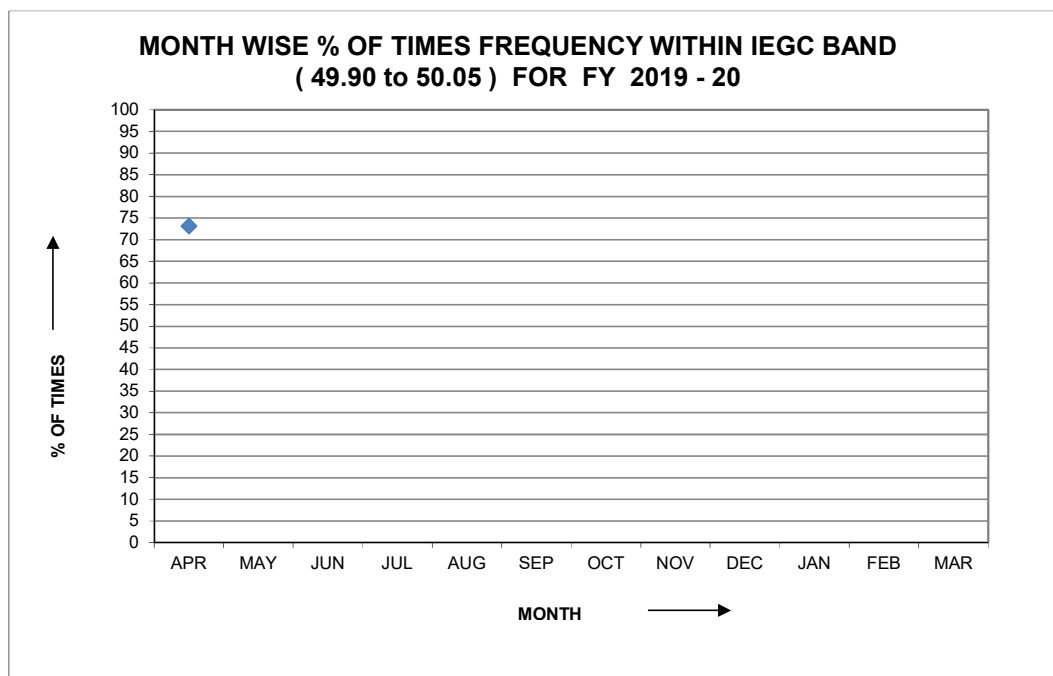


STATION	ATRI		BALASORE		BARKOTE		BARGARH(N)		BHADRAK		BHANJANAGAR		BIDANASI		BOLANGIR		BUDHIPADAR		CHANDAKA		CUTTACK		DUBURI		DUBURI(N)		JAYANAGAR		JODA		KATAPALI		LAPANGA		LAXMIPUR		MENDHASAL		MERAMUNDALI		NARENDRAPUR		NAYAGARH		PARADEEP		TARKERA		THERUVALI	
	DAY	Hrs.	DAY	Hrs.	DAY	Hrs.	DAY	Hrs.	DAY	Hrs.	DAY	Hrs.	DAY	Hrs.	DAY	Hrs.	DAY	Hrs.	DAY	Hrs.	DAY	Hrs.	DAY	Hrs.	DAY	Hrs.	DAY	Hrs.	DAY	Hrs.	DAY	Hrs.	DAY	Hrs.	DAY	Hrs.	DAY	Hrs.	DAY	Hrs.	DAY	Hrs.	DAY	Hrs.	DAY	Hrs.	DAY	Hrs.	DAY	Hrs.
MAXM	24	18:15	21	21:15	23	10:30	25	04:15	21	21:00	24	18:15	24	18:15	25	04:15	27	03:30	24	18:15	24	18:15	24	17:30	21	21:00	24	17:45	21	13:15	27	03:15	27	03:30	24	17:45	24	18:15	25	10:30	29	18:30	24	18:15	24	18:15	26	10:30	29	18:30
MINM	6	22:30	14	22:45	5	20:30	2	09:45	14	22:45	6	17:15	13	22:30	2	09:45	29	17:45	13	22:30	13	22:30	30	22:45	16	23:15	6	17:15	5	20:30	6	17:00	5	20:45	6	17:15	13	22:30	5	20:30	6	17:15	6	22:00	15	12:30	5	20:30	6	17:15

VOLTAGE PROFILE OF 132KV S/S FOR APRIL- 2020



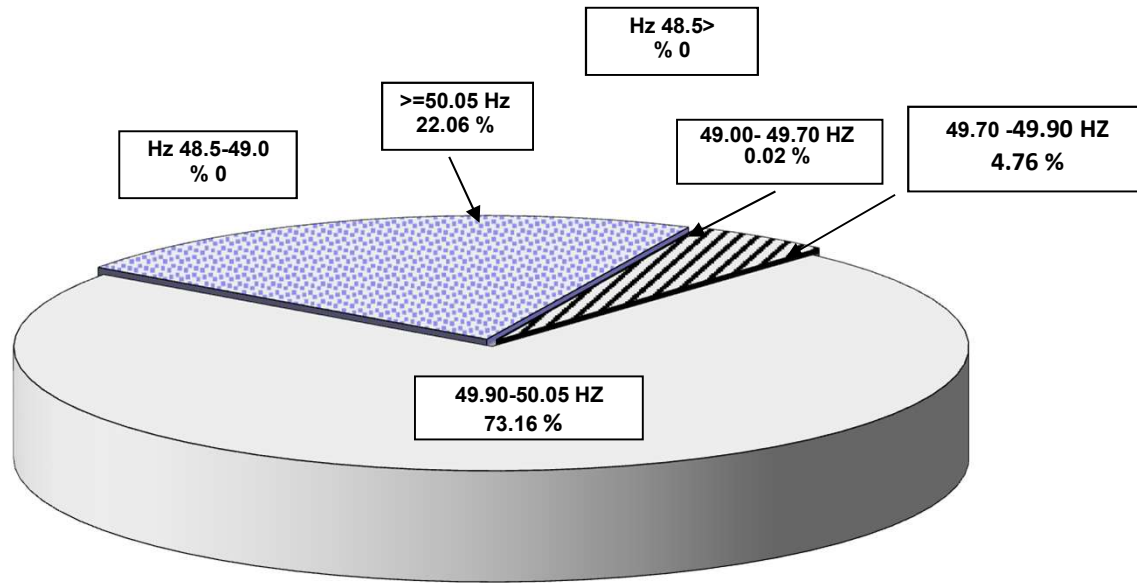
STN	CHATRAPUR		BALASORE		CHANNIPAL		BARGARH (N)		BHADRAK		BHANJANGAR		BIDANASI		BOLANGIR		BUDHIPADAR		CHANDAKA		CUTTACK		DUBURI		KHURDA		JAYANAGAR		JODA		KATAPALI		LAPANGA		MANCHESWAR		PURI		MERAMUNDALI		NARENDRAPUR		BERHAMPUR		PARADEEP		TARKERA		THERUVALI			
	DAY	Hrs.	DAY	Hrs.	DAY	Hrs.	DAY	Hrs.	DAY	Hrs.	DAY	Hrs.	DAY	Hrs.	DAY	Hrs.	DAY	Hrs.	DAY	Hrs.	DAY	Hrs.	DAY	Hrs.	DAY	Hrs.	DAY	Hrs.	DAY	Hrs.	DAY	Hrs.	DAY	Hrs.	DAY	Hrs.	DAY	Hrs.	DAY	Hrs.	DAY	Hrs.	DAY	Hrs.	DAY	Hrs.	DAY	Hrs.				
MAX	18	17:45	21	21:15	8	19:00	27	03:15	21	21:00	21	19:45	24	18:15	24	15:15	27	03:30	18	20:00	18	20:00	18	20:00	18	20:00	18	20:00	3	03:30	21	13:15	27	03:15	27	03:30	18	20:00	18	20:00	24	17:45	8	19:00	21	19:45	24	16:45	25	04:45	21	16:30
MIN	30	15:15	14	22:00	20	23:00	16	05:45	20	22:30	6	17:15	13	22:45	2	09:45	6	16:30	13	22:30	29	23:30	30	22:45	30	22:45	12	09:15	5	20:30	6	15:45	6	16:30	13	22:30	6	22:30	16	22:45	20	23:00	13	22:30	15	12:30	2	09:45	6	17:15		



**FREQUENCY WITHIN THE STANDARD BAND & ABOVE .
(FROM 2017-2018 TO 2019- 2020)**

YEAR	FREQUENCY	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	JAN.	FEB.	MARCH	ANNUAL
2018- 2019	Average in Hz	49.98	49.91	49.94	49.98	49.97	49.97	49.95	49.95	49.98	49.98	49.99	50	49.97
	% of time (49.9 to 50.05 Hz)	78.33	69.25	71.44	72.04	72.12	75.23	74.06	79.04	76.66	69.48	67.21	70.28	72.93
	% of time (above 50.05 Hz)	11.30	12.17	20.13	21.02	22.54	16.97	18.17	12.49	11.54	20.23	26.87	21.39	17.90
2019- 2020	Average in Hz	50.01	50.00	50.00	50.01	50.00	50.01	50.01	50.02	50.02	50.00	50.00	50.01	50.01
	% of time (49.9 to 50.05 Hz)	68.12	73.28	69.873	67.57	71.69	74.71	75.24	67.77	64.3	73.28	71.28	69.24	70.53
	% of time (above 50.05 Hz)	25.37	17.85	20.03	25.39	20.92	20.64	21.79	28.63	30.07	20.62	22.17	25.39	23.24
2020- 2021	Average in Hz	50.01												50.01
	% of time (49.9 to 50.05 Hz)	73.16												73.16
	% of time (above 50.05 Hz)	22.06												22.06

MONTHLY FREQUENCY PROFILE FOR APRIL 2020



Frequency/Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
<48.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48.5-49.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
49.00-49.7	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0
49.7-49.9	227	31	56	66	62	32	43	75	67	104	71	50	169	60	51
49.9-50.05	1049	994	1054	1108	1039	1063	993	1096	1077	1063	1108	1105	994	1078	1066
>50.05	157	415	330	266	339	345	404	269	296	273	261	285	277	302	323
>=50.1Hz	10	70	45	42	89	49	63	34	50	47	38	50	43	27	84

Frequency/Day	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
<48.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
48.5-49.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
49.00-49.70	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0		0
49.7-49.90	76	54	44	41	22	132	182	81	64	46	50	39	33	11	16		34
49.9-50.05	1076	1137	1092	1023	1004	1013	1052	1022	1073	1007	895	1003	1099	1118	1102		527
>50.05	288	249	304	376	414	295	203	337	303	387	495	398	308	311	322		159
>=50.10Hz	45	65	43	69	92	57	30	62	81	78	101	62	40	48	35		27

ENERGY DRAWAL OF CESU CONTROL AREA GRID SUBSTATIONS FOR THE MONTH OF APRIL'2020

Sl.No	Name of Sub Station	Name of Feeder	Installed Capacity	SMD	Average Drawal MW	MAX DEMAND	
						MW	Date & Time
1	Angul	MCL Feeder-1&2	132 kV	24.9373	20.8398	33.0871	16-Apr-2020 16:30
		Angul	2x40+1x20=100	28.3185	21.1780	29.4780	17-Apr-2020 22:30
2	Angul PG	PGCIL Stn. Tertiary		0.1356	0.1507	0.1356	01-Apr-2020 0:00
		Arati Steel	132 kV	0.7569	0.8857	8.8920	30-Apr-2020 15:15
3	Angul	Angul	2x40+1x20=100	3.1594	2.9036	10.1216	29-Apr-2020 10:00
4	Badagada	Badagada	2x63=126	25.3567	20.8087	40.8844	30-Apr-2020 11:00
5	Balugaon	SOLARI Traction	132kV	2.8513	2.0552	8.3831	22-Apr-2020 11:15
		Balugaon	1x40+1x20+1x12.5=72	24.9403	23.6681	29.2897	01-Apr-2020 18:45
6	Banki	Banki	2x20=40	11.1659	8.3462	14.1936	05-Apr-2020 20:30
7	Bhubaneswar	Bhubaneswar	3x63=189	56.9906	46.4624	61.1326	05-Apr-2020 22:30
8	Bidanasi	Bidanasi	2x63+1x40=166	61.6222	45.8902	62.5154	06-Apr-2020 12:15
9	Boinda	Boinda Traction	132 kV	2.8202	1.1911	10.8730	25-Apr-2020 10:30
		Boinda	1x20+2x12.5=45	12.9324	11.8664	16.4824	18-Apr-2020 9:15
10	BPPL S/W	BPPL Fdr-I&II	132 kV	0.0000	0.2486	4.5281	07-Apr-2020 10:45
11	Chainpal	FCI Feeder	132 kV	0.5495	0.2764	0.6120	18-Apr-2020 11:30
		Talcher Rd. Trac.	132 kV	5.3988	5.8321	13.9823	16-Apr-2020 12:30
12	Chandaka	Chandaka	2x40+1x20=100	45.5474	35.3444	50.5577	19-Apr-2020 9:45
13	Chandpur	Chandpur	3x63=189	67.7951	59.5631	76.3728	10-Apr-2020 11:45
14	Choudwar	Choudwar	2x12.5=25	11.3489	9.3121	14.5735	19-Apr-2020 22:45
15	Cuttack	Choudwar Traction	132 kV	4.6597	5.1167	12.7875	17-Apr-2020 21:30
		Choudwar	3x40=120	37.2441	32.2882	45.9562	11-Apr-2020 11:15
16	Dhenkanal	Cuttack	3x40=120	43.0340	33.0616	45.4938	24-Apr-2020 15:15
		Joranda Trac.	132 kV	7.4762	5.9819	14.5682	09-Apr-2020 12:30
17	Grid Steel Alloy S/W	Narveram CGP Fdr	33 kV	0.0000	0.0000	0.0405	16-Apr-2020 3:30
		Dhenkanal	3x40=120	35.1667	28.7199	39.5013	16-Apr-2020 1:45
18	Hind Metalics	GSAL Feeder	132kV	0.0000	0.0000	0.0000	01-Apr-2020 0:00
		MGM Feeder	132kV	0.0000	0.1647	1.6393	21-Apr-2020 18:00
19	Infocity-II GIS	NBVL Fdr-1&2	132kV	0.3825	0.5249	3.5781	02-Apr-2020 0:15
		SGEL Feeder	132kV	0.0450	0.0623	1.7786	01-Apr-2020 1:45
20	Jagatsinghpur	Meramundali Trac.	132 kV	3.7689	4.9249	13.4231	16-Apr-2020 0:15
		Infocity-II GIS (220/33)	2x40=80	12.7044	11.3733	14.5722	20-Apr-2020 12:15
21	Kalarangi	Gorakhnatn Trac.	132 kV	7.9463	7.2691	14.9795	30-Apr-2020 14:15
		Jagatsinghpur	1x40+2x20=80	31.1891	25.7513	34.2120	14-Apr-2020 22:15
22	Kamakhyanagar	Kamakhyanagar	1x20+2x12.5=45	9.1026	8.6611	10.6193	23-Apr-2020 10:45
23	Kendrapada	Kendrapada	1x20+2x12.5=45	15.0509	13.0316	14.4049	17-Apr-2020 22:00
24	Khairiakata	Khairiakata	2x40+1x12.5=92.5	27.1389	21.3066	39.2198	16-Apr-2020 10:00
25	Khuntuni GIS	Khuntuni GIS	2x40=80	6.2814	4.6655	6.5611	19-Apr-2020 21:45
26	Khurda	Khurda	2x40=80	2.3573	2.0846	5.3455	29-Apr-2020 11:45
27	Konark	Kainadar Trac.	132 kV	4.8015	4.3253	10.7312	06-Apr-2020 8:45
		Khurda	4x40=160	47.5326	40.7630	54.9998	05-Apr-2020 20:45
28	Mania	Konark	2x20=40	4.9017	4.2502	7.3723	20-Apr-2020 18:30
29	Marshaghai	Mania	1x20+1x12.5=32.5	0.4099	0.1122	1.8972	09-Apr-2020 11:30
30	Mendhasal	Marshaghai	2x20=40	14.7181	11.4684	20.6038	15-Apr-2020 22:00
31	Meramundali	Mendhasal(220/33)	2x20=40	1.5876	1.2890	2.3912	05-Apr-2020 20:00
		BSL-TATA Fdr-1&2	220 kV	28.8360	8.8422	70.5960	03-Apr-2020 12:30
32	Narsinghpur	BRG Feeder	132kV	0.4843	0.3104	0.7904	25-Apr-2020 8:00
		JSPL Feeder-1&2	400 kV	0.0000	0.0037	1.0673	09-Apr-2020 12:45
33	Navagarh	RUNGTA Feeder	132kV	0.4680	0.1497	0.5242	25-Apr-2020 5:45
		Narsinghpur(220/33)	1x40=40	4.5187	3.2536	5.6517	17-Apr-2020 14:30
34	Nimapara	Navagarh (220/33)	2x40+1x20=100	50.6027	36.5327	57.2671	25-Apr-2020 22:00
35	Nuapatana	Nimapara	3x40=120	43.4786	36.7332	51.9195	29-Apr-2020 14:30
36	Olaver	Nuapatana	1x40+1x20+1x12.5=72	26.7552	23.7989	37.8254	26-Apr-2020 8:30
37	Paradeep	Olaver	2x12.5=25	6.5189	4.6404	6.8694	14-Apr-2020 22:30
		PGCIL Stn. Tertiary		0.0490	0.0545	0.0490	01-Apr-2020 0:00
38	Paradeep	Essar Steel Fdr-1&2	220kV	25.6793	10.5378	29.3531	01-Apr-2020 0:00
		IFFCO Fdr-1&2	132kV	6.0840	3.3590	9.4010	01-Apr-2020 18:30
39	Pattamundai	IOCL Feeder	220kV	0.9429	0.3147	1.1219	23-Apr-2020 14:00
		PPL Fdr-1&2	132kV	13.0920	12.6019	31.8346	30-Apr-2020 14:30
40	Phulnakhara	PPT Fdr-1&2	132kV	11.1743	10.7576	30.2471	18-Apr-2020 19:00
		Paradeep	3x20=60	16.8463	16.1753	26.0169	25-Apr-2020 18:45
41	Puri	Pattamundai	2x20+1x12.5=52.5	21.9685	17.6807	21.6327	17-Apr-2020 22:00
42	Ranasinghpur	Phulnakhara	1x40+2x20=80	25.5051	22.9654	29.3861	30-Apr-2020 10:45
43	Rengali PG	Puri	3x40=120	25.5723	22.9774	29.9124	01-Apr-2020 22:45
44	Rengali S/W	Ranasinghpur	3x63=189	68.4608	51.2348	72.9097	15-Apr-2020 23:00
45	Salipur	PGCIL Stn. Tertiary		0.0421	0.0468	0.0421	01-Apr-2020 0:00
		Rengali S/W (220/33)	2x20=40	11.7231	9.4699	15.0998	06-Apr-2020 15:30
46	Samangara	OCIL Feeder	132kV	0.4894	1.1081	7.8483	28-Apr-2020 4:15
47	Shamuka	Salipur	3x20=60	24.7315	19.6041	30.3394	02-Apr-2020 11:45
48	Tirtol	Samangara	2x20=40	4.4797	2.6228	4.6645	05-Apr-2020 18:45
49	TS Alloys S/W	Shamuka	2x31.5=63	18.6596	17.1693	18.8557	01-Apr-2020 23:15
		Tirtol	2x40=80	5.9112	4.1793	7.1705	19-Apr-2020 10:45
50	Unit-8 GIS	RAWMET Feeder	132kV	14.9979	8.7741	18.6924	17-Apr-2020 11:30
51	Balugaon	Unit-8 GIS	1x40=40	11.2988	5.1818	12.2852	20-Apr-2020 14:45
		Khallikote Feeder	33kV	-11.4167	-11.2835	16.0248	18-Apr-2020 8:00
	Chandikhol	Badachana Feeder	33kV	11.1136	9.9750	14.8105	16-Apr-2020 11:45
	Rairakhol	Bamur Feeder	33kV	2.1941	2.1505	3.2320	09-Apr-2020 16:45
	Rengali	BUDHAPAL Feeder	33kV	-1.4487	-0.9016	1.5805	18-Apr-2020 16:45
	Barkote	Pallhara Feeder	33kV	2.3525	1.3737	5.5208	18-Apr-2020 22:30
	Chandaka	S.N. Mohanty(Solar)	11kV	0.0000	0.1270	0.5465	01-Apr-2020 11:45
	Chandpur	MGM SOLAR	11kV	0.0000	0.1573	0.6038	25-Apr-2020 11:45
	Chandpur	VIVACITY Solar	11kV	0.0000	0.1335	0.8094	01-Apr-2020 13:15
CESU TOTAL ENERGY (MU)				1.176.2913	674.5183	1.575.2733	

ENERGY DRAWAL OF WESCO CONTROL AREA GRID SUBSTATIONS FOR THE MONTH OF APRIL'2020							
Sl.No	Name of Sub Station	Name of Feeder	Installed Capacity MVA	SMD MW	Average Drawal MW	MAX DEMAND	
						MW	Date & Time
1	Aryan-Viraj S/W	Aryan Ispat Feeder	132 kV	0.2796	0.1728	1.8642	28-Apr-2020 15:45
		Aryan-Viraj	132 kV	0.1822	0.1767	0.6853	25-Apr-2020 9:45
2	Bamra	Bamra Traction	132 kV	3.1912	2.9236	11.0029	27-Apr-2020 21:30
3	Barapalli	Dunguripali Tr.	132kV	4.0257	3.0307	10.8854	25-Apr-2020 23:00
		Barapalli	1x40+1x20=60	33.2030	29.3249	42.9994	02-Apr-2020 15:45
4	Bargarh	ACC Feeder-1&2	132kV	1.4939	1.0517	2.8271	14-Apr-2020 11:45
		Bargarh	3x40=120	82.8382	67.6831	88.8277	18-Apr-2020 16:00
5	Bargarh (New)	Bargarh (New)	1x12.5=12.5	0.0255	0.0175	0.0362	14-Apr-2020 20:45
6	Barkote	Barkote (220/33)	2x40=80	12.6481	9.1139	16.2271	20-Apr-2020 11:00
7	Bhalulata	Bhalulata Traction	132 kV	3.7525	1.6827	9.9454	03-Apr-2020 16:15
8	Bhawanipatna	Bhawanipatna	2x12.5=25	10.7804	10.4848	15.0078	24-Apr-2020 12:45
9	Bolangir PG	415V side Tertiary		0.0430	0.0478	0.0430	01-Apr-2020 0:00
10	Bolangir	Bolangir	3x40=120	40.1346	33.4596	60.1023	01-Apr-2020 17:00
11	Bolangir (New)	Bolangir (New)	1x40+1x12.5=52.5	4.3502	3.1647	10.1883	29-Apr-2020 19:00
12	Bonai	Bonai(220/33)	2x20=40	7.8352	5.3846	10.1023	02-Apr-2020 7:15
13	Brajarajnagar	Brajarajnagar	1x40+3x20=100	33.4438	26.9660	34.5609	17-Apr-2020 19:15
14	Budhipadar	AAL Feeder-1&2	220 kV	16.6132	1.0483	36.0324	05-Apr-2020 18:45
		Basundhara Fdr	220 kV	5.0603	1.7393	7.1368	30-Apr-2020 11:00
		BPSL Feeder-1&2	220 kV	0.0000	0.8815	22.0219	25-Apr-2020 10:15
		MCL Fdr-1&2	132 kV	17.7980	14.0160	29.1807	17-Apr-2020 19:30
		MSP Feeder	132 kV	0.0000	0.0000	0.0000	01-Apr-2020 0:00
		SPS(CONCAST) Fdr	220 kV	0.0000	0.0000	0.0000	01-Apr-2020 0:00
		Budhipadar	1x20+1x12.5=32.5	4.5503	4.8814	10.8369	06-Apr-2020 9:15
		Vedanta Ltd	220 kV	0.7200	2.1637	49.3200	14-Apr-2020 10:00
15	Burla P.H.	Island & Incomer	11 kV	0.0628	0.0467	0.1102	01-Apr-2020 0:00
16	Chandiposh	Chandiposh Trac	220 kV	5.3538	2.2862	8.2978	28-Apr-2020 13:30
17	Chend	Adhunik Metallic Fdr.	132 kV	0.0000	0.0000	0.0000	01-Apr-2020 0:00
		Nuagaon Trac.	132 kV	3.7447	0.9283	9.6279	04-Apr-2020 3:15
		Sri Ganesh Metallics	132 kV	0.3544	0.5665	1.5929	30-Apr-2020 12:30
		Chend	3x40=120	34.7451	28.3147	41.5389	18-Apr-2020 11:30
18	Chipilima P.H.	Chipilima P.H.	1x20+1x12.5=32.5	22.5452	17.9705	22.6811	20-Apr-2020 16:45
19	Ghens	Ghens	1x40=40	10.4284	13.2942	24.4736	01-Apr-2020 10:15
20	Javapatna	Megalift Feeder-I & II	132 kV	0.9727	0.0521	7.3196	28-Apr-2020 12:00
21	Jharsuguda	Jharsugda Trac.	132 kV	9.5076	8.5070	17.4028	20-Apr-2020 8:45
		Jharsuguda	2x40=80	17.4743	14.9782	20.9823	17-Apr-2020 22:30
		Ultratech Feeder	132kV	0.7841	1.8556	10.7577	27-Apr-2020 23:00
22	Junagarah	Junagarah	3x20=60	25.3903	22.0409	31.0055	26-Apr-2020 14:00
23	Kalunga	Kalunga	2x40=80	8.9337	6.3986	11.1185	30-Apr-2020 15:30
		Mahavir Ferro CGP	33 kV	0.0000	0.0000	0.0000	01-Apr-2020 0:00
24	Kantabanji	Kantabanji Trac.	132 kV	0.5483	2.5182	9.3465	27-Apr-2020 13:30
		Kantabanji	2x40=80	7.5152	6.8460	11.9203	12-Apr-2020 10:30
	Katapali	HINDALCO Fdr-1&2	220 kV	0.9720	2.0262	63.5793	14-Apr-2020 5:15
		Katapali	1x40+2x20=80	34.6831	26.8346	51.4531	30-Apr-2020 8:30
26	Kesinga	POWMEX Fdr	132 kV	0.5087	0.0858	0.5308	28-Apr-2020 11:00
		Kesinga Traction	132 kV	2.6901	3.1041	13.1414	16-Apr-2020 16:45
		Kesinga	1x40+2x20=80	34.4479	25.5239	33.8449	18-Apr-2020 9:00
27	Khariar	Khariar	2x40=80	27.5636	22.4508	45.4151	22-Apr-2020 7:45
28	Kuchinda	Kuchinda	2x20=40	13.9052	9.8421	14.5473	02-Apr-2020 18:45
29	Lapanga	Rengali Traction	132kV	3.9705	4.1332	13.5099	30-Apr-2020 23:30
		Lapanga	1x20=20	6.4232	5.8113	8.2390	24-Apr-2020 9:15
30	Nuapada	Nuapada Trac.	132 kV	0.0000	0.0000	0.0000	01-Apr-2020 0:00
		Nuapada	2x20=40	12.0633	11.4703	16.3329	24-Apr-2020 15:00
31	OPGC S/W Stn.	BGR Energy Ltd. Fdr	33 kV	0.0295	0.0328	0.0295	01-Apr-2020 0:00
		BHEL Ltd. Feeder	33 kV	0.0000	0.0000	0.0000	01-Apr-2020 0:00
32	Padampur	Padampur	1x40+2x20=80	28.1864	22.9273	34.4391	05-Apr-2020 10:15
33	Patnagarh	Patnagarh	1x40+2x20=80	21.1327	14.3185	24.2814	17-Apr-2020 16:45
34	Rairakhol	Rairakhol Trac.	132kV	0.3600	1.1672	7.6825	03-Apr-2020 10:15
		Rairakhol	3x12.5=37.5	7.6741	5.9502	7.6199	01-Apr-2020 18:45
35	Rajgangpur	OCL Feeder	132kV	9.4714	5.0218	15.8042	25-Apr-2020 2:15
		OISL Feeder	132kV	0.0000	0.0000	0.0000	01-Apr-2020 0:00
		Rajgangpur Trac-1&2	132 kV	2.0549	2.2658	9.7192	27-Apr-2020 7:30
		Rajgangpur	3x40=120	24.5282	22.4292	34.3160	30-Apr-2020 19:45
36	Rourkela PG	PG Tertiary		0.0595	0.0661	0.0595	01-Apr-2020 0:00
37	Rourkela	Rourkela Trac Tfr	1x12.5=12.5	3.1372	4.0315	9.5639	05-Apr-2020 8:30
		Rourkela	1x40+3x35=145	27.7910	23.5141	32.5747	16-Apr-2020 2:00
38	Saintala	ORDNANCE Feeder	132 kV	0.9388	1.0487	2.0189	24-Apr-2020 9:45
39	Sambalpur	Sambalpur	1x40+2x31.5=103	54.7527	47.6080	59.0883	18-Apr-2020 16:45
		Shyam DRI Feeder	132 kV	0.0056	3.5509	5.7451	03-Apr-2020 6:45
40	SMC S/W	SMC Power	132kV	0.5115	0.5941	3.1332	30-Apr-2020 6:30
41	Sonepur	Sonepur	2x40+1x20=100	45.1267	35.0202	49.9399	14-Apr-2020 19:00
42	Sundargarah PG	PG TERTIARY	33 kV	0.1225	0.1361	0.1225	01-Apr-2020 0:00
43	Sundargarah	Sundargarah	1x40+2x20=80	21.3109	16.9728	25.3693	14-Apr-2020 19:45
44	Tarkera	RSP Feeder-1&2	220 kV	74.5569	47.4248	83.9633	01-Apr-2020 2:45
		RSP Feeder-3&4	220 kV	1.9434	1.8449	20.8700	23-Apr-2020 17:30
45	Tusura	Tusura	1x40+1x20=60	12.1107	10.6710	14.7791	03-Apr-2020 16:15
46	VAL Lanjigarh	Vedanta Al. fder-1&2	132 kV	0.0000	0.0395	3.1728	01-Apr-2020 13:30
47	Vedanda S/W	Vedanta SEZ	400 kV	13.0430	1.6873	42.1222	05-Apr-2020 7:15

Barkote	Pallhara Feeder	33kV	-2.1109	-1.3737	5.5208	18-Apr-2020 22:30
Joda	Joda-Tensa Feeder	33 kV	5.9917	4.1578	7.9926	02-Apr-2020 19:00
Rairakhol	Bamur Feeder	33 kV	-2.5671	-2.1505	3.2320	09-Apr-2020 16:45
Rengali	BUDHAPAL Feeder	33kV	1.3307	0.9016	1.5805	18-Apr-2020 16:45
Sonepur	Manamunda Feeder	33 kV	-10.7563	-8.9241	13.4018	18-Apr-2020 16:15
Tentulikhunti	Mukhiguda Fdr	33KV	1.6601	1.3680	1.9787	23-Apr-2020 22:45
ACME SOLAR	ACME SOLAR	132 kV	0.0569	0.0311	0.1095	17-Apr-2020 21:30
Bamra	Joy Iron Steel (Solar)	11 kV	0.0000	0.1062	0.4126	22-Apr-2020 11:15
Barkote	Molisati Solar	11 kV	0.0000	0.1218	0.4644	26-Apr-2020 11:45
Kesinga	SADIPALI Solar	33kV	0.0000	5.0798	18.3960	26-Apr-2020 11:30
Kesinga	Vento Power Solar -1	132 kV	0.1080	0.0386	0.1035	15-Apr-2020 18:15
Kesinga	Vento Power Solar -2	132 kV	0.0360	0.0236	0.0805	09-Apr-2020 18:15
Bonei	Mahavir Solar	33 kV	0.0000	0.0000	0.5943	10-Apr-2020 12:30
Padampur	Dakshin UPL solar	132kV	0.0720	0.0412	0.1138	24-Apr-2020 18:30
Patnagarh	ALEX Solar Pvt. Ltd.	33 kV	0.0000	0.0000	0.0000	01-Apr-2020 0:00
Patnagarh	JYOTI Solar	33 kV	0.0000	2.3834	8.8848	26-Apr-2020 11:30
Bolangir (New)	REHPL(Solar)	11kV	0.0000	0.1606	0.6160	26-Apr-2020 11:00
Saintala	BEL-OFBL Solar	132kV	0.0216	0.0134	0.0407	07-Apr-2020 17:00
Sonepur	GEDCOL Solar	33 kV	0.0000	3.4418	12.2508	08-Apr-2020 11:45
Sonepur	ABACUS Holdings Solar	11 kV	0.0000	0.1906	0.7606	28-Apr-2020 11:45
Tusura	Vento Power Solar-I	132 kV	0.4735	0.0356	0.0000	12-Apr-2020 11:45
Tusura	Vento Power Solar-II	132 kV	0.0720	0.0251	0.0000	01-Apr-2020 0:30
	WESCO TOTAL ENERGY (MU)		911.7928	544.0841	1,521.5514	

ENERGY DRAWAL OF NESCO CONTROL AREA GRID SUBSTATIONS FOR THE MONTH OF APRIL 2020							
Sl.No	Name of Sub Station	Name of Feeder	Installed Capacity	SMD	Average Drawal	MAX DEMAND	
						MW	Date & Time
1	Agarpada	Agarpada	1x40=40	1.7874	1.1784	1.8644	02-Apr-2020 21:45
2	Anandpur	Anandpur	1x20+2x12.5=45	14.9469	12.0708	22.3273	09-Apr-2020 19:15
3	Arya Ispat S/w	ARYA Steel Fdr	132kV	0.4443	1.5978	7.6932	28-Apr-2020 16:30
		BRPL Feeder	132kV	8.9063	8.6520	9.8682	04-Apr-2020 6:45
		IMTCPL Fder	132kV	0.0000	0.0000	0.0000	01-Apr-2020 0:00
4	Balasore	BIRLA Tyre Fder	132kV	0.4106	0.3570	0.6754	21-Apr-2020 21:30
		ISPAT Feeder	132kV	35.9706	10.1778	42.7203	23-Apr-2020 15:45
		Balasore Traction	132kV	2.4934	2.6543	8.7011	18-Apr-2020 21:45
5	Bangiriposi	Bangiriposi	2x63+1x40=166	56.1756	43.9960	61.3464	18-Apr-2020 14:45
6	Barbil	Barbil	2x12.5=25	3.7193	2.8047	4.4763	14-Apr-2020 22:15
7	Baripada PG	Baripada PG Stn.	2x12.5=25	8.7172	6.4165	9.2180	04-Apr-2020 18:30
8	Baripada	Baripada	3x40=120	0.0628	0.0698	0.0628	01-Apr-2020 0:00
9	Basta	Baripada	3x40=120	35.4983	25.1950	39.6494	14-Apr-2020 22:15
10	BC Mohanty S/w	Basta	2x20+1x12.5=52.5	23.1174	17.8182	30.8730	01-Apr-2020 12:00
		Bamnipal(New) Fdr	132kV	20.4518	17.0081	21.9183	03-Apr-2020 14:15
		BC Mohanty fdr	132 kV	4.0516	4.2617	4.3051	18-Apr-2020 10:00
11	Betanati	TOMKA Traction	132kV	5.2145	1.8399	10.2415	18-Apr-2020 4:30
12	Bhadrak	Betanati	1x20=20	9.3215	6.6475	13.9165	30-Apr-2020 18:45
		Dhamra Port (Trac.)	132 kV	4.1340	4.0998	11.8834	06-Apr-2020 16:15
		Dhamra Port Fder	132 kV	4.6133	3.5871	10.8937	21-Apr-2020 4:15
		FACOR Feeder	132kV	5.5259	0.8445	22.8455	22-Apr-2020 11:15
		FACOR Power	132kV	0.4680	0.2328	3.8535	24-Apr-2020 22:45
		Bhadrak Traction	132 kV	3.2078	3.0362	8.4379	15-Apr-2020 13:45
		Bhadrak	2x63+1x40=166	62.9543	46.5689	64.8763	02-Apr-2020 22:00
13	Bhograi	Bhograi	2x40=80	12.0136	7.9718	17.1500	17-Apr-2020 13:00
14	Bolani	Bolani(132/11)	2x10=20	1.9052	2.1663	5.3798	17-Apr-2020 10:30
15	BRPL S/w	BRPL Feeder	132kV	15.3512	14.7594	16.2262	30-Apr-2020 15:45
		Mesco Feeder	132kV	0.3319	0.2939	0.4293	23-Apr-2020 17:45
16	Chandabali GIS	Chandabali GIS	1x40=40	8.1618	5.9621	8.4440	03-Apr-2020 21:45
17	Chandikhol	Chandikhol	3x20=60	24.4342	21.9664	27.2270	02-Apr-2020 18:00
18	Dhenkikote	Dhenkikote	1x20=20	4.2549	2.6921	4.4683	17-Apr-2020 22:00
19	Duburi	Jakhapura Traction	132 kV	3.5456	4.4568	10.4957	27-Apr-2020 14:15
		JFAL Feeder	132 kV	0.0000	0.0000	0.0000	01-Apr-2020 0:00
		Mishrilal Feeder	132 kV	3.6466	3.3430	4.8353	18-Apr-2020 9:45
		NINL Feeder	220 kV	2.4638	2.9716	4.7250	01-Apr-2020 0:00
		Duburi(220/33)	2x40=80	15.2423	12.8369	20.9340	18-Apr-2020 11:30
		Emami Feeder	220 kV	2.6405	1.1953	9.9866	30-Apr-2020 19:15
20	Duburi-New	Jindal Stainless-1&2	220 kV	10.6560	10.7128	13.9092	17-Apr-2020 15:45
		Maithan Feeder	220 kV	0.0000	0.0000	0.0000	01-Apr-2020 0:00
		Rohit Ferrotech	220 kV	0.6287	0.2187	0.8209	24-Apr-2020 15:30
		TATA Steel Fdr-1&2	220 kV	68.7865	49.0178	136.5500	01-Apr-2020 2:45
		VISA Steel	220 kV	0.0000	0.0070	0.9360	18-Apr-2020 19:15
		Jaganath Steel Fdr	132kV	0.7233	0.4780	7.6442	26-Apr-2020 14:15
		Jaipur Road	3x40=120	36.2009	28.8014	39.4306	23-Apr-2020 9:15
21	Jaipur Road	Yazdani CGP Feeder	33 kV	0.0000	0.0000	0.0034	04-Apr-2020 11:00
22		Jaipur Town	2x40+1x20=100	39.5092	30.3491	40.0600	15-Apr-2020 22:15
23	Jaleswar	Jaleswar Trac.	132 kV	2.9522	2.5519	7.6947	28-Apr-2020 20:30
		Jaleswar	2x31.5+1x12.5=75.5	26.7226	20.6601	31.2774	01-Apr-2020 13:15
24	Joda	Bansapani Trac.	132 kV	3.7533	4.7742	13.3863	14-Apr-2020 15:30
		FAP Feeder	132kV	13.7402	15.1888	14.6687	17-Apr-2020 14:00
		JSPL Trf-1,2&3(220/33)	2x50+1x20=120	34.4735	49.3620	49.5281	19-Apr-2020 23:45
		TATA STEEL	220kV	6.1470	5.6049	7.5819	19-Apr-2020 19:15
		TATA Steel Long	220 kV	0.0000	0.4109	3.0735	20-Apr-2020 5:15
		Joda	1x40+3x20=100	15.7821	12.5890	17.1381	02-Apr-2020 19:00
		Sarada Ind (220/33)	1x15=15	1.8356	1.7225	3.6205	09-Apr-2020 1:30
25	JSW Cement S/W	JSW Cement Fdr	132kV	1.0086	0.8934	5.5846	30-Apr-2020 12:15
26	Karaniia	Karaniia	1x20+2x12.5=45	16.0032	10.4691	17.4836	17-Apr-2020 21:45
27	Keonjhar GIS	Keonjhar GIS	2x20=40	3.8967	3.3237	12.2131	29-Apr-2020 19:30
28	Keonjhar PG	PGCIL Stn. Tertiary		0.1554	0.1726	0.1554	01-Apr-2020 0:00
29	Nalda	Nalda Traction	132 kV	5.3774	1.5953	12.0421	01-Apr-2020 17:00
30	Polasponga	ESIL Feeder	132 kV	6.0492	10.1735	19.8821	02-Apr-2020 12:45
		MSP Feeder	132 kV	4.1363	3.7401	9.1122	30-Apr-2020 23:30
		OSISL CGP Feeder	33 kV	0.0000	0.0000	0.0612	28-Apr-2020 13:45
		Patnaik Steel CGP	33 kV	0.0000	0.0000	0.0000	01-Apr-2020 0:00
		Palasponga Trac.	132 kV	7.1716	4.2313	15.8510	21-Apr-2020 0:30
		Polasponga	1x40+2x20=80	29.9199	17.9124	30.6626	20-Apr-2020 22:15
31	Rairangpur	Rairangpur	2x20+1x12.5=52.5	16.9476	11.8036	17.1599	24-Apr-2020 20:15
32	Somnathpur	IMAMI Feeder	132 kV	0.5404	0.2023	3.3899	08-Apr-2020 5:15
		Stork Feeder	132 kV	0.0598	0.0516	0.1095	28-Apr-2020 1:00
		Somnathpur	2x12.5=25	1.1462	0.8036	1.7517	30-Apr-2020 12:30
33	Soro	Soro	1x40+2x20=80	42.8632	27.7184	57.1841	20-Apr-2020 22:15
34	Udala	Udala	1x40=40	10.2449	6.8879	12.2445	14-Apr-2020 22:00
	Chandikhol	Badachana Fder	33kV	-11.1124	-9.9750	14.8105	16-Apr-2020 11:45
	Joda	Joda-Tensa Fdr	33 kV	-5.1359	-4.1578	7.9926	02-Apr-2020 19:00
		NESCO TOTAL ENERGY (MU)		797.3673	461.2988	1167.9627	

ENERGY DRAWAL OF SOUTHCO CONTROL AREA GRID SUBSTATIONS FOR THE MONTH OF APRIL'2020

Sl.No	Name of Sub Station	Name of Feeder	Installed Capacity MVA	SMD MW	Average Drawal MW	MAX DEMAND	
						MW	Date & Time
1	Akhusingi	Akhusingi	2x12.5=25	10.3295	9.4373	12.1935	02-Apr-2020 15:45
2	Aska	Aska	4x40=160	54.9419	43.3388	68.0116	30-Apr-2020 8:15
3	Balimela	Balimela (220/33)	1x40+1x20=60	11.3298	8.3176	11.3298	01-Apr-2020 19:15
4	Berhampur	Berhampur	2x40+1x20=100	37.2718	36.0075	48.7142	24-Apr-2020 23:00
5	Bhanjanagar	Bhanjanagar	2x40+1x16=96	26.0813	20.3342	24.3269	02-Apr-2020 19:00
6	Boudh	Boudh	2x20=40	7.2885	3.8608	17.9172	25-Apr-2020 11:30
7	Chatrapur	IRE Feeder-1&2	132kV	1.7018	3.4666	5.7995	20-Apr-2020 13:00
		Rambha Traction	132 kV	3.4950	2.6616	15.2961	29-Apr-2020 7:30
		Chatrapur	3x20=60	16.4559	16.6248	27.9153	20-Apr-2020 6:00
8	Chikiti	Chikiti	1x40=40	7.7981	7.3354	9.6131	21-Apr-2020 21:00
9	Dabugaon	Dabugaon	2x12.5=25	9.8900	7.8240	12.0359	13-Apr-2020 9:45
10	Digapahandi	Digapahandi	2x20+1x12.5=52.5	21.6498	18.1758	25.5609	20-Apr-2020 9:00
11	Ganjam	GRASIM Ind. Ltd.	132kV	0.8580	4.6179	12.8255	02-Apr-2020 7:45
		Ganjam	2x12.5=25	6.3001	4.9765	13.5802	21-Apr-2020 16:45
12	Jaypur PG	Jaypur PG Ter.	28KV	0.0795	0.0883	0.0795	01-Apr-2020 0:00
13	Jayanagar	Jaypur Trac.	132 kV	15.8927	6.1973	26.0751	08-Apr-2020 18:45
		Jayanagar	2x20+1x12.5=52.5	27.9615	21.5812	28.5715	10-Apr-2020 6:00
14	Laxmipur	Laxmipur	1x20=20	8.6741	5.4117	9.3556	18-Apr-2020 7:30
		Utkal Alumina Fdr-I&II	220kV	9.7563	0.1079	10.2530	25-Apr-2020 18:00
15	Malkangiri	Malkangiri (220/33)	2x40=80	11.1715	10.9128	15.4087	21-Apr-2020 8:30
16	Meenakshi s/w	Megalift Feeder	33kV	0.0000	0.0004	0.0072	27-Apr-2020 12:15
17	Mohana	Mohana	2x12.5=25	5.3388	4.0014	6.7628	28-Apr-2020 18:00
18	Muniguda	Bissam-Cuttack Tr	132 kV	1.8920	3.5240	13.3901	30-Apr-2020 11:15
19	Narendrapur	TATA Feeder-I&II	220 KV	0.0000	0.0000	1.7280	02-Apr-2020 5:00
		Narendrapur Trac	132 kV	2.5862	2.5744	9.7113	06-Apr-2020 13:30
		Narendrapur	3x40+1x20=140	24.5022	23.2130	39.5346	28-Apr-2020 14:45
20	Paralakhemendi	Paralakhemendi	3x12.5=37.5	10.5909	11.0229	15.8004	22-Apr-2020 21:15
21	Phulbani	Phulbani	2x40+1x12.5=92.5	24.7469	14.8101	22.6434	01-Apr-2020 19:15
22	Podagada	Podagada	1x12.5=12.5	1.1887	0.8878	1.8801	06-Apr-2020 18:30
23	Potangi	Potangi	1x40=40	1.1011	0.7458	2.0179	28-Apr-2020 19:30
24	Purushottampur	Purushottampur	1x20+2x12.5=45	12.7143	11.3380	19.1537	24-Apr-2020 18:30
25	Rayagada	Rayagada Trac.	132 kV	2.5420	4.0155	14.4865	30-Apr-2020 23:15
		Rayagada	2x12.5=25	5.6078	5.8918	8.5220	20-Apr-2020 23:00
26	Sunabeda	HAL Feeder	132kV	2.4661	2.3944	8.7435	24-Apr-2020 20:15
		Sunabeda	1x20+2x12.5=45	21.1564	14.1391	21.2530	23-Apr-2020 19:00
27	Tentulikhunti	Tentulikhunti	3x20=60	11.7668	9.6320	14.2375	22-Apr-2020 10:30
28	Therubali	JK Feeder	132kV	3.7278	1.9525	7.7120	17-Apr-2020 12:15
		Therubali	2x12.5=25	10.4267	8.1822	13.3973	16-Apr-2020 10:45
29	Umerkote	Umerkote	2x20=40	18.9588	14.5717	19.6891	16-Apr-2020 19:15
	Balugaon	Khallikote Feeder	33kV	15.0322	11.2835	16.0248	18-Apr-2020 8:00
	Sonepur	Manamunda Feeder	33kV	10.7805	8.9241	13.4018	18-Apr-2020 16:15
	Tentulikhunti	Mukhiguda Fdr	33KV	-0.9353	-1.3680	1.9787	23-Apr-2020 22:45
	Tentulikhunti	Vento Energy Solar	132 kV	0.0720	0.0371	0.1080	02-Apr-2020 18:00
30	Boudh	Aditya Birla Solar-I & 2	33kV	0.0000	6.2771	22.3578	07-Apr-2020 8:30
		SOUTHCO TOTAL ENERGY (MU)		475.1902	275.7972	689.4044	

AUTO TRANSFORMER LOADING FOR THE MONTH OF APRIL'2020								
Name of the 220 kV Sub-Station (Feeding Sub-stations/Feeders)	Capacity	Drawal details						REMARKS
	MVA	MW	Day	Time	MW	Day	Time	
ATRI { Banki, Khurda, Chandpur & Argul }	2x160	73.00	5th Apr 2020	19:30	0.12	21st Apr 2020	19:30	
		57.48	3rd Apr 2020	22:30	0.16	21st Apr 2020	19:30	
ASKA NEW	2x160	80.44	30th Apr 2020	18:30	0.20	18th Apr 2020	18:00	
		79.76	30th Apr 2020	18:30	0.20	18th Apr 2020	18:00	
BALASORE 220/132 KV { Balasore, Birla Tyre(I), Ispat Alloy(I), Jaleswar, Jaleswar(T) }	3x160	65.80	20th Apr 2020	22:15	0.32	18th Apr 2020	17:15	
		71.12	15th Apr 2020	12:30	0.32	18th Apr 2020	17:15	
		74.12	15th Apr 2020	11:30	0.44	18th Apr 2020	16:15	
BARGARH 220/132 KV	1x100	18.00	23rd Apr 2020	15:45	0.36	18th Apr 2020	16:30	
	1x160	10.32	23rd Apr 2020	15:45	0.04	21st Apr 2020	17:30	
BHADRAK 220/132 KV {Bargarh, Ghensh }	1x100	44.00	20th Apr 2020	11:15	0.08	21st Apr 2020	20:45	
	1x160	60.12	19th Apr 2020	01:30	0.08	21st Apr 2020	21:00	
	1x160	78.60	20th Apr 2020	11:15	2.60	29th Apr 2020	15:45	
BHANJANAGAR 220/132 KV { Bhanjanagar, Aska, Phulbani, Ganjam, Chatrapur }	1x160	75.96	29th Apr 2020	06:15	2.60	25th Apr 2020	07:00	
	1x160	66.84	29th Apr 2020	06:15	0.04	21st Apr 2020	17:00	
BIDANASI 220/132 KV {Bidanasi, Khurda }	1x100	UNDER SHUT DOWN						
	1x100	27.60	3rd Apr 2020	23:15	0.04	21st Apr 2020	06:15	
	1x160	39.28	3rd Apr 2020	23:15	0.04	1st Apr 2020	08:00	
BOLANGIR (SADAIPALLI) 220/132 KV { Bolangir, Patnagarh, Sonapur, Saintala, Khariar, Barpali }	2x160	94.28	17th Apr 2020	19:15	0.52	28th Apr 2020	12:30	
		94.28	17th Apr 2020	19:15	0.52	28th Apr 2020	12:30	
		99.48	17th Apr 2020	19:15	0.56	28th Apr 2020	12:30	
BUDHIPADAR 220/132 KV { Jharsuguda, Jharsuguda Tr, Cemco(I), MCL, }	2x160	76.64	11th Apr 2020	09:00	8.64	27th Apr 2020	03:00	
		76.08	11th Apr 2020	09:00	8.68	27th Apr 2020	03:00	
CHANDAKA 220/132 KV { Chandaka, Bhubaneswar, Nimapada, Ransinghpur, Puri, Kesura, Kaipadar Tr. }	1x100	53.44	16th Apr 2020	16:30	4.36	24th Apr 2020	18:15	
	1x160	89.96	16th Apr 2020	16:45	8.44	18th Apr 2020	20:00	
	1x100	56.28	16th Apr 2020	16:45	5.04	24th Apr 2020	18:15	
	1x160	82.28	14th Apr 2020	22:45	7.68	24th Apr 2020	18:15	
CUTTACK	1x160	61.64	30th Apr 2020	11:45	0.28	18th Apr 2020	19:30	
	1x100	34.40	21st Apr 2020	18:15	0.04	18th Apr 2020	19:45	
DUBURI 220/132 KV {Duburi, Bannipal(I), BRPL, MESCO, Jajpur Road, Kalarangi, Jajpur Town }	1x160	62.20	19th Apr 2020	19:30	0.04	26th Apr 2020	12:30	
	1x100	UNDER SHUT DOWN						
	1x100	36.36	10th Apr 2020	13:00	0.04	26th Apr 2020	23:15	
JAYANAGAR 220/132 KV. {Damanjodi(NALCO), Traction S/Ss, }	1x160	49.00	1st Apr 2020	19:15	0.08	18th Apr 2020	20:00	
	1x160	49.36	1st Apr 2020	19:15	0.08	18th Apr 2020	20:00	
JODA 220/132 KV { Joda, Tensa, FAP(I), Bolani(I), Nalda Tr., Polasponga, Rairangpur, Bhalulata traction }	3x100	67.60	1st Apr 2020	19:30	19.28	8th Apr 2020	22:45	*** - Alternate P/S from Kuchel.
		UNDER SHUT DOWN						
		70.48	24th Apr 2020	16:30	15.04	24th Apr 2020	12:45	
KATAPALI 220/132 KV {Chipilima,Bargarh, ACC,Sonapur & Katapali area load. }	1x100	30.68	11th Apr 2020	09:00	0.04	23rd Apr 2020	22:00	Supported by Burla & Chipilima power.
	1x100	30.64	11th Apr 2020	09:00	0.04	21st Apr 2020	19:00	
	1x160	45.88	11th Apr 2020	09:00	0.04	27th Apr 2020	09:45	
LAPANGA {Kuchinda, Aryan Viraj, Shyam Metalics }	2x160	67.28	11th Apr 2020	09:30	0.12	25th Apr 2020	03:30	
		54.52	11th Apr 2020	08:45	0.08	25th Apr 2020	03:30	
MERAMUNDALI 220/132 KV {Meramundali Traction, Dhenkanal, Navchrome(I), Hind Metal, Aarti,BRG }	3x100	45.00	6th Apr 2020	19:00	2.12	9th Apr 2020	13:45	
		44.12	6th Apr 2020	19:00	2.20	9th Apr 2020	13:45	
		43.12	6th Apr 2020	19:00	1.60	9th Apr 2020	13:45	
Mendhasal { Part area load of Khurda S/S }	2x100	30.00	1st Apr 2020	11:15	1.20	18th Apr 2020	10:15	
		40.20	5th Apr 2020	09:45	6.60	24th Apr 2020	09:00	
NARENDRAPUR 220/132KV { Narendrapur, NarendrapurTr, Berhampur, Chhatrapur, Ganjam, Balugaon, Digapahandi, Mohana. }	2x160	114.96	28th Apr 2020	19:30	10.68	8th Apr 2020	19:00	
		78.32	22nd Apr 2020	14:30	10.40	8th Apr 2020	19:00	
	1x100	65.88	28th Apr 2020	19:30	5.16	28th Apr 2020	18:15	
PARDEEP 220/132 KV { Paradeep, Kendrapada, Pattamundai, Chandikhol, Cuttack, Jagatsinghpur, Phulnakhara }	1x100	51.36	20th Apr 2020	22:00	2.88	18th Apr 2020	21:15	
	1x160	85.80	20th Apr 2020	22:00	5.68	18th Apr 2020	21:15	
	1x160	86.20	20th Apr 2020	22:00	5.12	18th Apr 2020	21:15	
TARKERA 220/132 KV { Rourkela, Rourkela Tr., RSP(I), Chhend , Adhunik Metal, Rajgangpur, OCL(I), Rajgangpur Tr. }	4x100	42.16	9th Apr 2020	07:45	3.20	21st Apr 2020	08:45	
		44.48	9th Apr 2020	07:45	4.56	21st Apr 2020	08:45	
		35.20	30th Apr 2020	19:30	0.12	24th Apr 2020	12:45	
		35.88	30th Apr 2020	19:30	2.28	9th Apr 2020	07:45	
THERUVALLI 220/132 KV. {Theruvalli, IMFAL(I), JK(I), Junagarh, Kesinga,Powmex(I), Rayagada, }	2x100	47.04	27th Apr 2020	19:45	8.68	27th Apr 2020	13:15	Rayagada & Paralakhemundi can be fed from Machhkund.
		72.12	16th Apr 2020	09:45	8.40	27th Apr 2020	13:15	
	1x160	76.72	27th Apr 2020	19:45	11.24	27th Apr 2020	13:15	
TTPS 220/132 KV { Chainpal, FCI (I), Angul, MCL Nandira(I), }	1x160	82.12	18th Jan 2020	13:30	0.00	2nd Jan 2020	07:30	
	1x160	82.12	18th Jan 2020	13:30	0.00	2nd Jan 2020	07:30	
SAMANGARA { Puri, Nimapara & Konark }	2x160							

			SYSTEM DISTURBANCE IN THE MONTH OF APRIL-2020 (A) TRIPPING OF LINE / EQUIPMENT WITHOUT LOAD LOSS							
Sl. No.	Sub-Station	Date	From	To	Duration	Lines / Equipments / Generating Units tripped	Relay Indication / Cause	Grid Sub-stations affected (it can be more than one)	Area interruption period	Remarks
1	Therubali	01.04.20	11:04	11:10	00:06	220KV Therubali-Bhanjanagar Ckt-I	At Therubali end: Zone-1, ABT, 130.7 KM ,Ia=1.73kA Ib=1.60 kA, At Bhanjanagar end; Zone-1, ABT, 38.54 KM ,Ia=3.85kA Ib=3.38 kA			
2	Sundargarh	01.04.20	13:34	13:39	00:05	132 KV Budhipadar-Sundargarh CKT-I	At-Sundargarh end; E/F , IL1=0.05 KA, IL2=0.29 KA,IL3=0.05KA			
3	Meramundali	01.04.20	13:51	14:35	00:44	220 kV Meramundali Kaniha ckt -I	At Meramundali end: B-E,Z1,IB=3.01 KA,31.97 KM,80.08 ms At Kaniha end: B-E,Z1,IR=7.3 KA,39.5 KM			
4	Meramundali	02.04.20	14:08	18:05	03:57	400 kV Meramundali Mendhasal ckt -II	At Meramundali end: R-E,Z1,IR=6.21 KA,Dist.=48.5 KM At Mendhasal end: R-E,IR=2.72 KA,Dist.=80.7 KM			
5	Balasore	02.04.20	14:39	16:16	01:37	220 kV Balasore Balasore(PG) ckt -I	At Balasore end: REL670-Gen Trip, Trip-R, Z-1, L1-N, -1.0 Km Fault Current-249.3A At PGCIL end- Main-I: Micom P442- Z-1, 37.13Km , Fault Current-4.458KA Main-II: Z-1, Fault current-3.556 KA			
6	Balasore	02.04.20	15:10	11:57	20:47	132 kV Balasore Basta feeder	At Balasore end: DP relay-SEL 311C : A-G, Z-2, A-G-T, 28.50Km, Fault current-2610A At Basta end: Z-1, 3.949Km, Ir=198.1A, Iy=185.3A , Ib=188.5A (R-Ph suspension insulator failure at Loc no-104 (A)			
7	Rengali SY	03.04.20	13:28	11:00	21:32	220 kV Rengali SY - Tarkera ckt -II	At Rengali SY end: Z3 , Dist -127.41km ,Fault Dist=95.08%,Loop=L1-N,IL1=3627A,IN=3603.51A			
8	Balasore	03.04.20	19:17	20:04	00:47	220 kV Balasore New Duburi ckt	At Balasore end:REL670-Gen Trip, Trip-R, Z-1, L1-N, 104.71Km, Fault Current-1323.01A At New Duburi end: Main-I : Z-1, E/F, R-Ph, 20.9Km, Fault Current-5.23KA Main-II: Z-1, R-N, 20.91Km, 5.175KA			
9	Meramundali	03.04.20	20:19	22:37	02:18	220 kV Meramundali TTPS Ckt -II	At Meramundali end: B-E,Z1,IR=11.24 KA,4.94 KM,69.96 ms At TTPS end: B-E,IB=9.2 KA,5.85 KM			
10	Therubali	06.04.20	11:08	11:22	00:14	220KV Therubali-Indrabati Ckt-II	At Therubali end: 86M2A,86M2B,86M2C, 186A,186B, L2-L3, Z2, 81.30 KM			
11	Meramundali	07.04.20	18:46	20:20	01:34	220 kV Meramundali Narsinghpur feeder	At Meramundali end: R-E,Z1,IR=20.19 KA,955.3 KM,81.55 ms At Narsinghpur end: R-E,IR=1.089 KA,272 KM			
12	Rengali SY	08.04.20	09:48	22:39	12:51	220 kV Rengali SY - Tarkera ckt -II	At Rengali SY end: DP operated,Dist -110.40KM ,88.36%,LOOP=L1-N,IL1=3912.62A,IN=3969.08A,ZONE-2			
13	Meramundali	09.04.20	11:36	16:44	05:08	132 kV Meramundali Khajuriakata feeder	Tripped at Khajuriakata end on Y-E,Z1,IY=1.792 KA,Dist.=24.6 KM (Y-Phase jumper was snapped at Loc no-19)			

Sl. No.	Sub-Station	Date	From	To	Duration	Lines / Equipments / Generating Units tripped	Relay Indication / Cause	Grid Sub-stations affected (it can be more than one)	Area interruption period	Remarks
14	Sundargarh	09.04.20	13:25	13:34	00:09	132 KV Budhipadar-Sundargarh CKT-I	At-Sundargarh, E/F , IL1=0.05 KA, IL2=0.08 KA,IL3=0.04KA			
15	Meramundali	09.04.20	13:31	14:12	00:41	132 kV Meramundali Dhenkanal feeder	At Meramundali end: B-E,Z1,IB=4.152 KA,Dist.=41.23 KM, At Dhenkanal end: B-E,Z1,IB=1.5 KA,Dist.=12.4 KM			
16	Sundargarh	09.04.20	19:43	12:28	16:45	132 KV Budhipadar-Sundargarh CKT-I	At-Sundargarh, O/C,E/F ,Y-Phase IL1=0.05 KA,IL2=0.00 KA,IL3=0.03KA (Y-phase CVT burst)			
17	Meramundali	10.04.20	16:32	17:02	00:30	220 kV Meramundali Narsinghpur feeder	At Meramundali end: B-E,Z1,IB=4.152 KA,Dist.=41.23 KM, At Narsinghpur end: B-E,Z1,IB=1.5 KA,Dist.=12.4 KM			
18	Meramundali	15.04.20	00:09	01:10	01:01	132 kV Meramundali Dhenkanal feeder	At Meramundali end: R-E,IR=1.68 KA,Dist=62.14 KM,			
19	Baripada	15.04.20	16:18	16:35	00:17	132 kV Udala Betanoti feeder	Y-ph,Z1,dist-15.1KM			
20	Bangiriposi	15.04.20	18:36	18:41	00:05	132 kV Bangiriposi - Rairangpur feeder	At Bangiriposi: O/C in R- Ph. Distance -6.5km., Zone-1, General Trip.IR-2.66KA, IY-0.23KA.IB-0.42KA			
21	Jaleswar	18.04.20	16:04	18:12	02:08	132 kV Jaleswar Baripada (PG) feeder	At Jaleswar end: Y -ph E/F , Dist- 53.0 Km , Z-1 , FC -479.6A, At Baripada PG end: Y -ph E/F , Dist- 11.19 km , Z-1 , FC -4.493ka			
22	Balasore	18.04.20	17:05	18:59	01:54	220 kV Balasore New Duburi ckt	At Balasore end: REL670-Gen Trip, Trip-R, Z-1, L1-N, 11.951Km, Fault Current-4.84KA At New Duburi end: Z-1, R-Ph, 113.30Km, Fault Current- 1.341KA			
23	Meramundali	18.04.20	19:06	20:38	01:32	220 kV Meramundali Duburi ckt -II	At Meramundali end: B-E,Z1,IR=3.19 KA,56.98 KM At Duburi end: B-E,IR=2.248 KA,32.96 KM			
24	Meramundali	18.04.20	19:34	22:11	02:37	400 kV Meramundali GMR feeder	At Meramundali end: B-E,IB= 20.87 KA,Dist.= 4.1 KM At GMR end:- B-E,Z3,IB=2 KA,Dist.= 4 KM			#3 of GMR tripped.
25	Khajuriakata	18.04.20	19:34	22:41	03:07	132 kV Khajuriakata Nuapatna feeder	At Khajurikata end; B-G Fault, ZONE-I, DIST- 50.5Kms			
26	Cuttack	18.04.20	19:51	20:20	00:29	132 kV Cuttack Jagatsinghpur feeder	Tripped on O/C in Y-ph & E/F			
27	Meramundali	18.04.20	20:21	22:44	02:23	132 kV Meramundali Dhenkanal feeder	At Meramundali end:B-E,IB=4.86 KA,Dist.=10.37 KM At Dhenkanal end: B-E,Z1,IB=1.56 KA,Dist.=25.46 KM			
28	Meramundali	20.04.20	14:01	18:40	04:39	400 kV Meramundali Lapanga ckt -II	At Meramundali end: B-E,IB=4.13 KA,108.1 KM At Lapanga end: B-E,IB= 4.1 KA,133.1 KM			
29	Meramundali	20.04.20	15:32	19:07	03:35	400 kV Meramundali Lapanga ckt -I	At Meramundali end: Y-E,Z1,IY=2.71 KA,145.5 KM At Lapanga end: Y-E,Z1,IY=2.1 KA,92.2 KM			
30	Sundargarh	21.04.20	07:52	08:14	00:22	132 KV Budhipadar-Sundargarh CKT-II	At-Sundargarh, E/F , IL1=0.05 KA, IL2=0.06 KA,IL3=0.15KA			
31	Angul	21.04.20	18:24	18:55	00:31	132 kV Angul MCL ckt -I	At Angul end: Fault loop_L1N, Fault dist. 4.22 KM			
32	Meramundali	21.04.20	18:25	20:30	02:05	220 kV Meramundali Kaniha ckt -II	At Meramundali end: B-E,Z1,IB=5.029 KA,20.84 KM,75.05 ms At Kaniha end: B-E,Z1,IB=7.3 KA,14.6 KM			

Sl. No.	Sub-Station	Date	From	To	Duration	Lines / Equipments / Generating Units tripped	Relay Indication / Cause	Grid Sub-stations affected (it can be more than one)	Area interruption period	Remarks
33	Bangiriposi	23.04.20	15:46	16:55	01:09	132 kV Bangiriposi - Baripada (PG) feeder	At Bangiriposi end: E/F in R- Ph. Distance-5.073 km., Zone-1, General Trip, IR-4.96KA. At Baripada(PG) end:- E/F in R- Ph. Distance- 22.8km., Zone-1, General Trip, IR-0.32KA.			
34	Sundargarh	23.04.20	16:23	16:49	00:26	132 KV Budhipadar-Sundargarh CKT-II	At-Sundargarh, E/F , IL1=0.06 KA, IL2-0.21 KA,IL3=0.05KA			
35	Jaleswar	24.04.20	11:24	12:24	01:00	132KV JALESWAR -KOCHEI FDR	DP RELAY INDICATION AT JALESWAR END: Y PH TO EARTH , DISTANCE 54.3 Km , Z-1 , Fault current -827.9A AT KOCHEI END: Y PH TO EARTH , DISTANCE 6.42 Km , Z-1 , Fault current -			
36	Balasore	24.04.20	11:38	13:16	01:38	220 kV Balasore - Balasore (PG) ckt -II	At Balasore end: REL670-Gen Trip, Trip-B, Z-1, L3-N, 57.085Km, Fault Current-1.72KA At PGCIL end: B-N, 12.53Km, Fault Current- 7.175KA			
37	Polasponga	24.04.20	13:09	13:20	00:11	132 kV Polasponga Karanjia feeder	At Polasponga end: E/F ,Zone-1 ,Dist-46.08 km, Ia=20A, Ib=1365A, Ic=20A, IG= 1365A, In=0A			
38	Jaleswar	24.04.20	13:42	16:44	03:02	132KV Jaleswar Baripada(PG) feeder	At Jaleswar end: Y PH TO B PH , DISTANCE 41.8 Km , Z-1 , Fault current - 651.4 A(Y-PH),683.7 A(B-PH) At Baripada PG end: Y PH TO B PH , DISTANCE 38.78 Km , Z-1 , Fault current - 3 KA(Y-PH),2.965 KA(B-PH)			
39	Meramundali	24.04.20	14:55	18:15	03:20	220 kV Meramundali Kaniha ckt -II	At Meramundali end: R-E,Z1,IR=11.37 KA,10.66 KM, 63.27 ms At Kaniha end: R-E,Z1,IR=4.68 KA,27.96 KM			
40	Balasore	26.04.20	02:39	03:45	01:06	220 kV Balasore - Balasore (PG) ckt -I	At Balasore end: REL670-Gen Trip, Trip-R, Z-1, L1-N, 51.18Km, Fault Current-1.93KA At PGCIL end: R-N, Z-1, 19.02.Km, Fault Current- 5.86KA			
41	Threubali	26.04.20	18:14	18:44	00:30	220KV Therubali-Bhanjanagar Ckt-I	Zone-1, CN, 22.65 KM ,Ic=4.82 KA at Thv end. Zone-1, B ph E/F, 142 KM at BNGR end			
42	Sundargarh	27.04.20	02:57	03:20	00:23	132 KV Budhipadar-Sundargarh CKT-II	At-Sundargarh,O/C,E/F , IL1=1.34 KA, IL2-0.11 KA,IL3=0.15KA			
43	Balasore	29.04.20	16:27	12:13	19:46	220 kV Balasore Bhadrak feeder	At Balasore end: REL670-Gen Trip, Trip-B, Z-1, L3-N, 38.97Km, Fault Current-3021.23A At Bhadrak end: B-N, Z-1, 31.91Km, Fault Current- 2.58KA			
44	Cuttack	29.04.20	23:25	00:34	01:09	220 kV Cuttack Bidanasi ckt - II	At Cuttack end: O/C in B-ph & E/Fwith M/R , Dist- 48.8km			
45	Angul	21.04.20	18:24	18:55	00:31	132 kV Angul MCL ckt -I	At Angul end: Fault loop_L1N, Fault dist._4.22 KM			

SYSTEM DISTURBANCE IN THE MONTH OF April- 2020 (B) TRIPPING OF LINE / EQUIPMENT WITH LOAD LOSS											
Sl. No.	Sub-Station	Date	From	To	Duration	Lines / Equipments / Generating Units tripped	Relay Indication / Cause	Grid Sub-stations affected (it can be more than one)	Area interruption period	Remarks	Energy Loss (in MU)
1	Bhawanipatna	01.04.20	19:20	19:26	00:06	132 kV Kesinga Bhawanipatna feeder	P/S failure from Kesinga end	Bhawanipatna Junagarh	00:06		0.003252
2	Barbil	04.04.20	13:02	13:20	00:18	132 kV Barbil Bolani feeder	Tripped on E/F at Barbil end	Barbil , Bolani , Arya, Nalda Tr, BRPL	00:18		0.006120
3	Barpali	08.04.20	10:36	10:40	00:04	132 kV Bolangir New -Barpali feeder	Tripped on E/F at Bolangir New end	Barpali	00:04		0.000427
4	Bolangir	08.04.20	16:28	16:33	00:05	132 kV Bolangir- Kesinga - Khariar feeder	Tripped on E/F at Bolangir end	Saintala,Kharir, Nuapara,Tusura, Kantabanji, Kantabanji Tr	00:05		0.004581
5	Bolangir	08.04.20	16:49	16:57	00:08	132 kV Bolangir- Kesinga - Khariar feeder	Tripped on E/F at Bolangir end	Saintala,Kharir, Nuapara,Tusura, Kantabanji, Kantabanji Tr	00:08		0.007329
6	Bhawanipatna	11.04.20	23:26	23:36	00:10	132 kV Kesinga Bhawanipatna feeder	P/S Failed from Kesinga end	Bhawanipatna Junagarh	00:10		0.005420
7	Bhawanipatna	13.04.20	14:35	14:47	00:12	132 kV Kesinga Bhawanipatna feeder	P/S Failed from Kesinga end	Bhawanipatna Junagarh	00:12		0.006504
8	Therubali	13.04.20	14:54	15:02	00:08	132 kV Therubali Kesinga feeder	P/S Failed from Therubali end	Kesinga, Kesinga Tr, Bhawanipatna Junagarh, Powmex	00:08		0.008163
9	Bhanjanagar	13.04.20	15:10	15:35	00:25	132 kV Bhanjanagar Phulbani feeder	At Bhanjanagar end; B-N Trip, Zone- 1 Dist -38.35 kM	Phulbani	00:25		0.006171
10	Bhanjanagar	14.04.20	12:07	12:20	00:13	132 kV Bhanjanagar Phulbani feeder	At Bhanjanagar end: CN TRIP, ZONE 1, D : 60.44 KM	Phulbani	00:13		0.003209
11	Therubali	15.04.20	22:37	22:40	00:03	132 kV Therubali Kesinga feeder	P/S Failed from Therubali end	Kesinga, Kesinga Tr, Bhawanipatna Junagarh, Powmex	00:03		0.003061
12	Therubali	16.04.20	01:07	01:10	00:03	132 kV Therubali Kesinga feeder	P/S Failed from Therubali end	Kesinga, Kesinga Tr, Bhawanipatna Junagarh, Powmex	00:03		0.003061
13	Bhawanipatna	16.04.20	21:00	21:05	00:05	132 kV Kesinga Bhawanipatna feeder	P/S Failed from Kesinga end	Bhawanipatna Junagarh	00:05		0.002710
14	Bangiriposi	17.04.20	14:51	14:58	00:07	132 kV Bangiriposi - Rairangpur feeder	Tripped at Bangiriposi end	Rairangpur, Karanjia, Dhenkikote	00:07		0.002911
15	Jaleswar	17.04.20	21:38	22:06	00:28	132 kV Jaleswar Baripada (PG) feeder	At Baripada PG end: Y-ph E/F, Dist- 18.78 Km , Z-1 , FC-2.431 KA	Jaleswar , Bhograi Jaleswar Tr	00:28 00:14	132 KV P/S resumed from BASTA end to extend supply to Jaleswar Tr	0.013956
			21:38	22:12	00:34	132 kV Jaleswar Bhograi feeder	At Bhograi end: Y-ph, E/F , Dist-18.69 kM ,Z-1 ,FC-2.4kA				
			21:38	22:06	00:28	132 kV Bhograi Baripada PG feeder	At Bhograi end: Zone-1,Y-ph E/F ,Fault Loc -18.69KMIY-2.432KA.				

Sl. No.	Sub-Station	Date	From	To	Duration	Lines / Equipments / Generating Units tripped	Relay Indication / Cause	Grid Sub-stations affected (it can be more than one)	Area interruption period	Remarks	Energy Loss (in MU)
16	Therubali	18.04.20	14:37	14:39	00:02	132 kV Therubali Kesinga feeder	P/S Failed from Therubali end	Kesinga, Kesinga Tr, Bhawanipatna Junagarh, Powmex	00:02		0.002041
17	Baripada	18.04.20	16:28	17:27	00:59	132KV Baripada Udala feeder	At Baripada end: Rph,Z1,dist-9KM At Udala end: Rph,Z1,dist-24KM, Fault current-2.809KA	Udala Betonati	00:59		0.013295
18	Balasore	18.04.20	16:28	17:27	00:59	132 kV Balasore Udala feeder	At Balasore end: DP relay-SEL 311C : A-G-T, Z-1, 24Km, Fault current-2809A At Udala end: Z-1, R-Ph, 09 Km, Fault Current- 0.17KA				
19	Therubali	18.04.20	18:24	18:34	00:10	132 kV Therubali Kesinga feeder	Tripped at Therubali end	Kesinga, Kesinga Tr, Bhawanipatna Junagarh, Powmex	00:10		0.010203
20	Cuttack	18.04.20	19:32	16:33	21:01	132 kV Cuttack Phulnakhara feeder	Tripped on O/C in Y-Ph., DP relay optd- Distance=11.495km, Zone-1, B-G, Ia=515mA, Ib=9.65A, Ic=501mA. (Y-ph insulator string failure at Loc.No.17)	Phulnakhara	01:10	At 20:33 Hrs , P/S availed from Mancheswar end	0.026787
21	Bhawanipatna	23.04.20	15:17	15:36	00:19	132 kV Kesinga Bhawanipatna feeder	Failed from Kesinga end	Bhawanipatna Junagarh	00:19		0.010298
22	Therubali	23.04.20	16:36	16:58	00:22	132 kV Therubali Kesinga feeder	Tripped at Therubali end	Kesinga, Kesinga Tr, Bhawanipatna Junagarh, Powmex	00:22		0.022447
23	Bhawanipatna	23.04.20	21:02	21:12	00:10	132 kV Kesinga Bhawanipatna feeder	Failed from Kesinga end	Bhawanipatna Junagarh	00:10		0.005420
24	Therubali	23.04.20	21:52	21:56	00:04	132 kV Therubali Kesinga feeder	P/S Failed from Therubali end	Kesinga, Kesinga Tr, Bhawanipatna Junagarh, Powmex	00:04		0.004081
25	Bolangir	24.04.20	05:16	05:23	00:07	132 kV Bolangir -Bolangir New ckt -I	P/S failed from Bolangir New end	Acme, Saintala,Khariar,Nuapara,Tu sura,Kantabanji, Kantabanji Tr	00:07		0.006413
			05:16	05:22	00:06	132 kV Bolangir -Bolangir New ckt -II	P/S failed from Bolangir New end	Bolangir ,Sonepur Boudh	00:06		0.007231
26	Polasponga	24.04.20	12:30	13:05	00:35	132 kV Joda Polasponga feeder	At Polasponga end; E/F ,Zone-1,Dist=34.13km, Ia=254A, Ib=335A, Ic=201A, IG= 501A, In=0A	Polasponga, ESIL, MSP, Polasponga Tr	00:35		0.021029
27	Bhograi	24.04.20	13:42	14:13	00:31	132 kV Bhograi Baripada (PG) feeder	At Bhograi end: ZONE-1,R-PH to Gnd,Fault Loc -74.9KM	Bhograi	00:07		0.000930
			13:42	13:49	00:07	132 kV Bhograi Jaleswar Feeder	Tripped at Bhograi end				
28	Barbil	24.04.20	12:48	13:03	00:15	132 kV Barbil Bolani feeder	Tripped at Barbil end	Barbil , Bolani , Arya, Nalda Tr, BRPL	00:15		0.005100
29	Angul	25.04.20	04:17	04:52	00:35	132 kV Angul Boinda feeder	At Angul end: Fault loop-L2N,Fault dist-1.8709 KM	Boinda	00:35		0.007525
30	Therubali	25.04.20	06:32	06:38	00:06	132 kV Therubali Kesinga feeder	Tripped at Therubali end	Kesinga, Kesinga Tr, Bhawanipatna Junagarh, Powmex	00:06		0.006122

Sl. No.	Sub-Station	Date	From	To	Duration	Lines / Equipments / Generating Units tripped	Relay Indication / Cause	Grid Sub-stations affected (it can be more than one)	Area interruption period	Remarks	Energy Loss (in MU)
31	Cuttack	25.04.20	11:18	11:26	00:08	100 MVA AUTO Transformer-II	Tripped on V/F trip,V/F warn,86A&86B trip	Cuttack Phulnakhara	00:06		0.005602
			11:18	11:24	00:06	100 MVA AUTO Transformer-I	Tripped on V/F trip,V/F warn,86A&86B trip				
32	Baripada	26.04.20	04:26	05:00	00:34	132KV Baripada- Betonati- Udala feeder	At Baripada end: Y-ph,Z1,dist-7.8KM At Udala end: Y-ph,Z2,dist-45.87KM, Fault Current-1.687KA	Udala Betonati	00:34		0.007661
33	Balasore	26.04.20	04:26	05:00	00:34	132 kV Balasore Udala feeder	At Balasore end: DP relay-SEL 311C : B-G-T, Z-2, 45.87Km, Fault current-1.687KA, Siemens B/U relay: Y-Ph, E/F, 1.63KA At Udala end:Z-1, Y-Ph, 7.8Km, Fault Current- 0.19KA				
34	Bhawanipatna	27.04.20	20:55	20:59	00:04	132 kV Kesinga Bhawanipatna feeder	Tripped from Kesinga end	Bhawanipatna Junagarh	00:04		0.002168
35	Somnathpur SW	27.04.20	22:59	23:48	00:49	132 kV Somnathpur Stork feeder	At Somnathpur end: O/C &E/F Fault current: I1=1.35KA,I2=1.42KA,I3=1.31KA	Stork	00:49		0.000041
36	Polasponga	28.04.20	12:46	13:06	00:20	132 kV Joda Polasponga feeder	At Polasponga end: O/C (R,Y,B PH), Ia=1431.6A, Ib=1407.9A, Ic=1380.9A, In = 0.04A, Ig= 4A	Polasponga, ESIL, MSP, Polasponga Tr	00:20		0.012017
37	Bhawanipatna	28.04.20	22:05	22:08	00:03	132 kV Kesinga Bhawanipatna feeder	Tripped from Kesinga end	Bhawanipatna Junagarh	00:03		0.001626
38	Bhawanipatna	29.04.20	03:59	04:13	00:14	132 kV Kesinga Bhawanipatna feeder	Tripped from Kesinga end	Bhawanipatna Junagarh	00:14		0.007588
39	Cuttack	29.04.20	23:12	23:16	00:04	220 kV Cuttack Bidanasi ckt -I & II	P/S failure from Bidanasi end	Cuttack Phulnakhara	00:04		0.003735
40	Therubali	30.04.20	19:02	19:05	00:03	132 kV Therubali Kesinga feeder	Tripped at Therubali end	Kesinga, Kesinga Tr, Bhawanipatna Junagarh, Powmex	00:03		0.003061

STATEMENT OF UFR OPERATION IN GRIDCO SYSTEM DURING THE MONTH OF APRIL-2020											
Sl.No	UFR Stage	Name of S/S	Name of feeder	Voltage level KV	Tripping details		Load Relief in MW	Restoration details		Duration of interruption in Minutes	Remarks
					Date	Time		Date	Time		
Nil											

MAJOR EVENT FOR THE MONTH OF APRIL - 2020		
Sl. No	Date	Details of event
1	14.04.2020	At 12:10 Hrs, 40 MVA,132/33 kV Power Transformer -I at Grid S/S, Soro charged(capacity added from 20 MVA to 40 MVA).
2	19.04.2020	At 11:27 Hrs, 40 MVA,132/33 kV Power Transformer -I at Grid S/S, Ghess charged.