

SYSTEM PERFORMANCE REPORT



NOVEMBER'2020

SLDC, OPTCL
BHUBANESWAR – 17

CONTENTS

Sl. No.	DESCRIPTION	PAGE
1	SINGLE LINE SCHEMATIC DIAGRAM OF GRIDCO NETWORK	1
2	SUMMARY REPORT	2
2	GENERATION CAPACITY OF GRIDCO, CENTRAL SECTOR GENERATION & CPPs	3
3	DAILY ENERGY GENERATION, EXCHANGE AND DEMAND	5
4	PERFORMANCE OF GENERATORS & ISGS DRAWAL	5
5	GENERATION SHARING & AVG. DEMAND CURVE	6
6	COMPARISON OF SYSTEM DEMAND WITH PREVIOUS YEAR	7
7	MONTHLY GENERATION OF STATE GENERATORS, IPP& CPP	8
8	DAILY GENERATION SHARING DURING PEAK DEMAND	9
9	RESERVOIR LEVEL OF DIFFERENT HYDRO POWER STATIONS	10
10	VOLTAGE PROFILE (220 kV / 132kV)	13
11	MONTHLY FREQUENCY PROFILE	15
12	FREQUENCY DISTRIBUTION	15
13	MONTHWISE % OF TIMES FREQ. WITHIN STD. BAND (49.50 TO 50.05 Hz)	16
14	MONTHLY FREQ. WITHIN STANDARD BAND & ABOVE (2012-14, 2015 - 16, 2016 - 17)	16
15	LOAD DATA OF GRID SUB STATIONS	17
16	AUTO TRANSFORMER LOADS	22
17	STATEMENT OF UFR OPERATION	23
18	MAJOR EVENTS	24



SUMMARY REPORT FOR NOVEMBER- 2020

A. Voltage Profile

220 KV

			<u>Date & Time</u>	<u>Location</u>
Maxm. -	244.56 kV	26.11.2020	04:30Hrs	Balimela
	>240 KV			Aska New, balimela, Bhanjanagar, Jayanagar, Laxmipur, Theruvali.
Minm. -	212.34 kV	06.11.2020	18:00 Hrs	Bolangir New
	< 200 KV			Nil.

132 KV

Maxm. -	145.20 kV	30.11.2020	09:45 Hrs	Theruvali
	>145 KV			Nil.
Minm. -	106.58 kV	20.08.2020	17:45 Hrs	Khariar.
	< 120 KV			Boudh, Khariar, Puri.

B. Frequency Profile

Date & Time

Maxm. -	50.25 Hz	16.11.20	00:04 Hrs.
Minm. -	49.68 Hz	05.11.20	17:20 Hrs.
Average -	50.00 Hz		
% of time the freq. is within 49.9 Hz to 50.05 Hz - (IEGC band)			78.51%
% of time the freq. is > 50.05 HZ	-		17.27%
% of time the freq. is ≤49.9 HZ	-		4.22%
% of time the freq. is < 48.5 HZ	-		0.00%

C. Demand Profile

Peak System Demand	4681.18 MW	At 19:00 Hrs on 07.11.20
Minimum System Demand	2203.61 MW	At 04:00 Hrs on 27.11.20
Average System Demand	3142.70 MW	

D. Major events

Sl. No	Date	Details of event
1	10.11.2020	At 18:30 Hrs, 220 kV Bonai - Bimalagarh (RTSS) feeder charged.
2	10.11.2020	At 14:18 Hrs & 14:31 Hrs, 132 kV Digapahandi -Aska(New) DC ckt bays charged at Digapahandi & Aska (New) end respectively.
3	11.11.2020	At 15:10 Hrs, 132 kV side of 160 MVA Auto Transformer-I charged at Kesinga (New) Grid S/S. Subsequently 220 kV Auto Transformer-I , Auto Transformer -II, Feeder-I & Feeder -II bays charged at Kesinga (New) S/S.
4	13.11.2020	At 18:33 Hrs, 132 kV Jayapatna - Dabugaon feeder charged.
5	17.11.2020	At 17:43 Hrs, 220/33 kV Grid S/S, Gobindapali charged by T arrangement in 220 kV Balimela - Jayanagar ckt -I. At 17:50 Hrs, 20 MVA, 220/33 kV Power Transformer -II charged.
6	18.11.2020	At 15:19 Hrs & 18:17 Hrs, 132 kV Jayanagar -Tentulikhunti ckt -II bays charged at Jayanagar & Tentulikhunti end respectively.
7	27.11.2020	At 14:58 Hrs, 20 MVA, 132/33 kV Power Transformer -II charged at Grid S/S, Bhanjanagar. (Defunct 16 MVA Power Transformer has been replaced by new 20 MVA)
8	29.11.2020	At 15:59 Hrs & 16:00 Hrs, 220 kV Narendrapur - TATA ckt - I & II charged respectively.

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 %, Availability 80%)	160.2 (Auxilliary 10.5 %, Availability 80%)
	TTPS STAGE - II	2x110 = 220	146.85 (Auxilliary 10.5 %, Availability 80%)	146.85 (Auxilliary 10.5 %, Availability 80%)
	TOTAL TTPS	460		
3	O.P.G.C.			
	IB TPS	2x210 = 420	342.09 (Auxilliary 9.5 %, Availability 90%)	342.09 (Auxilliary 9.5 %, Availability 90%)
	IB TPS-Stage-II	2x660 = 1320	(75) 833.085 (Share 75%, Auxilliary 6.25 %, Availability 90%)	835.312 (Share 75%, Auxilliary 6.25 %, Availability 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 (Mujafarpur) (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.

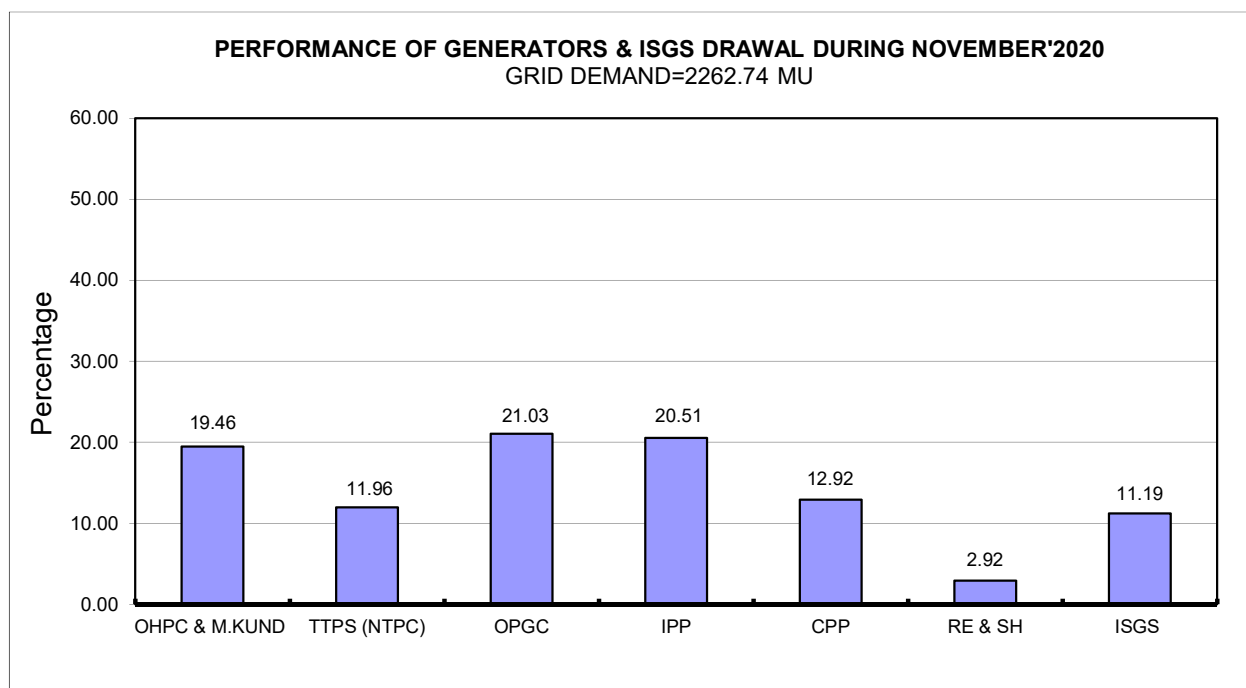
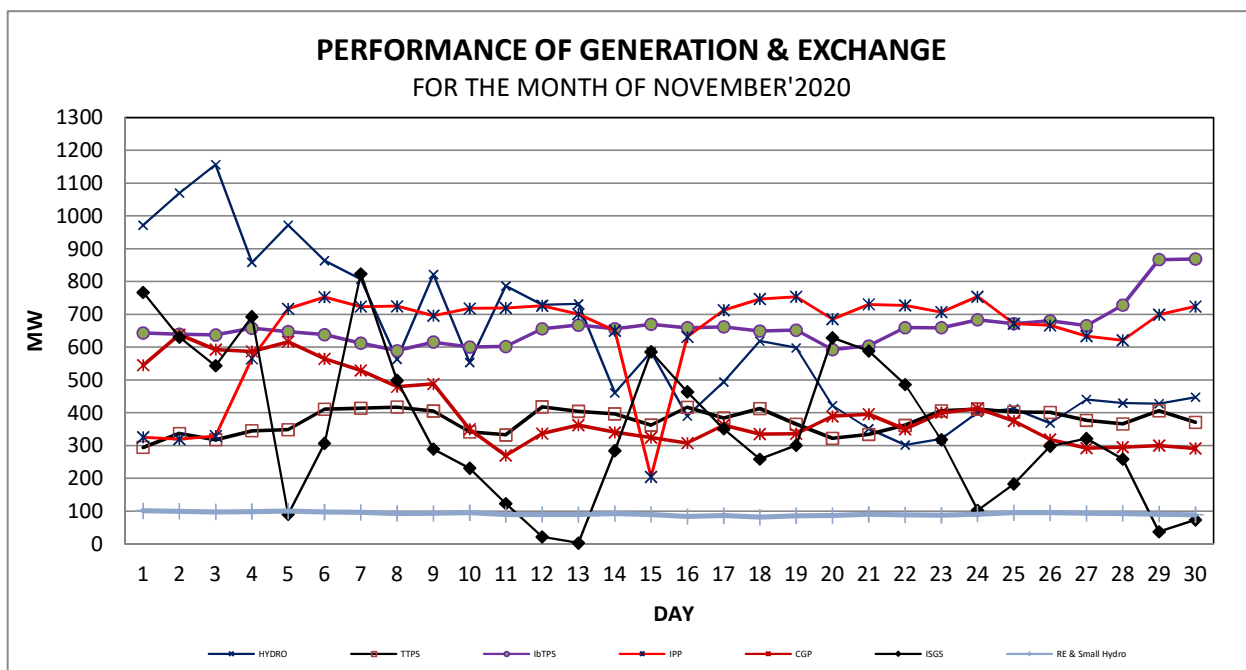
CAPACITY OF IPP, CPP, SMALL HYDRO & RENEWABLE

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
7	BTPL	3X8=24	24	SMALL HYDRO	132kV
	TOTAL		2991		

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	MGM MINERALS LTD, DHENKANAL	1 X 8	8	THERMAL	132 kV
20	MSP METTALLICS LTD.	1 X 25	25	THERMAL	132 kV
21	NALCO(ANGUL)	10 X 120	1200	THERMAL	220 kV
22	NALCO(DAMANJODI)	18.5 X 4	74	THERMAL	132 kV
23	NARBHERAM POWER & STEEL PVT.	1 X 8	8	THERMAL	132 kV
24	NBVL (MERAMUNDALI)	1 X 30 + 1X 64	94	THERMAL	132 kV
25	OCL INDIA LTD., RAJGANGPUR	2 X 27	54	THERMAL	132 kV
26	OISL, RAJGANGPUR	1 X 35	35	THERMAL	132 kV
27	ORISSA SPONGE IRON & STEEL LTD.	1 X 24	24	THERMAL	132 kV
28	PATTANAIK STEEL, (KEONJHAR)	1 X 15	15	THERMAL	33 kV
29	RATHI STEEL & POWER LTD. (Katapalli)	1 X 20	20	THERMAL	33 kV
30	RSP(ROURKELA)	2 X 60 + 4 X 25	220	THERMAL	220 kV
31	SEVEN STAR STEELS LTD.	1 X 8	8	THERMAL	33 kV
32	SMEL, (PANDOLI, SAMBALPUR)	3 X 30	90	THERMAL	132 kV
33	SMC POWER GENERATION LTD.	1 X 8 + 1 X 25	33	THERMAL	132 kV
34	SREE GANESH	1 X 32	32	THERMAL	132 kV
35	TATA SPONGE IRON (JODA)	1 X 18.5 + 1 X 7.5	26	THERMAL	220 kV
36	TATA POWER & STEEL, (K NAGAR)	2 X 67.5	135	THERMAL	220 kV
37	UTKAL ALUMINA, LAXMIPUR	3x30	90	THERMAL	220 kV
38	VEDANTA LTD.(SEZ),JHARSUGUDA	3 X 600	1800	THERMAL	400 kV
39	VEDANTA (JHARSUGUDA))	9 X 135	1215	THERMAL	220 kV
40	VEDANTA (LANJIGARH)	3 X 30	90	THERMAL	132 kV
41	VISA STEEL LTD., (NEW DUBURI)	3 X 25	75	THERMAL	220 kV
42	YAZDANI STEEL & POWER.	1 X 10	10	THERMAL	33 kV
		TOTAL	9918		

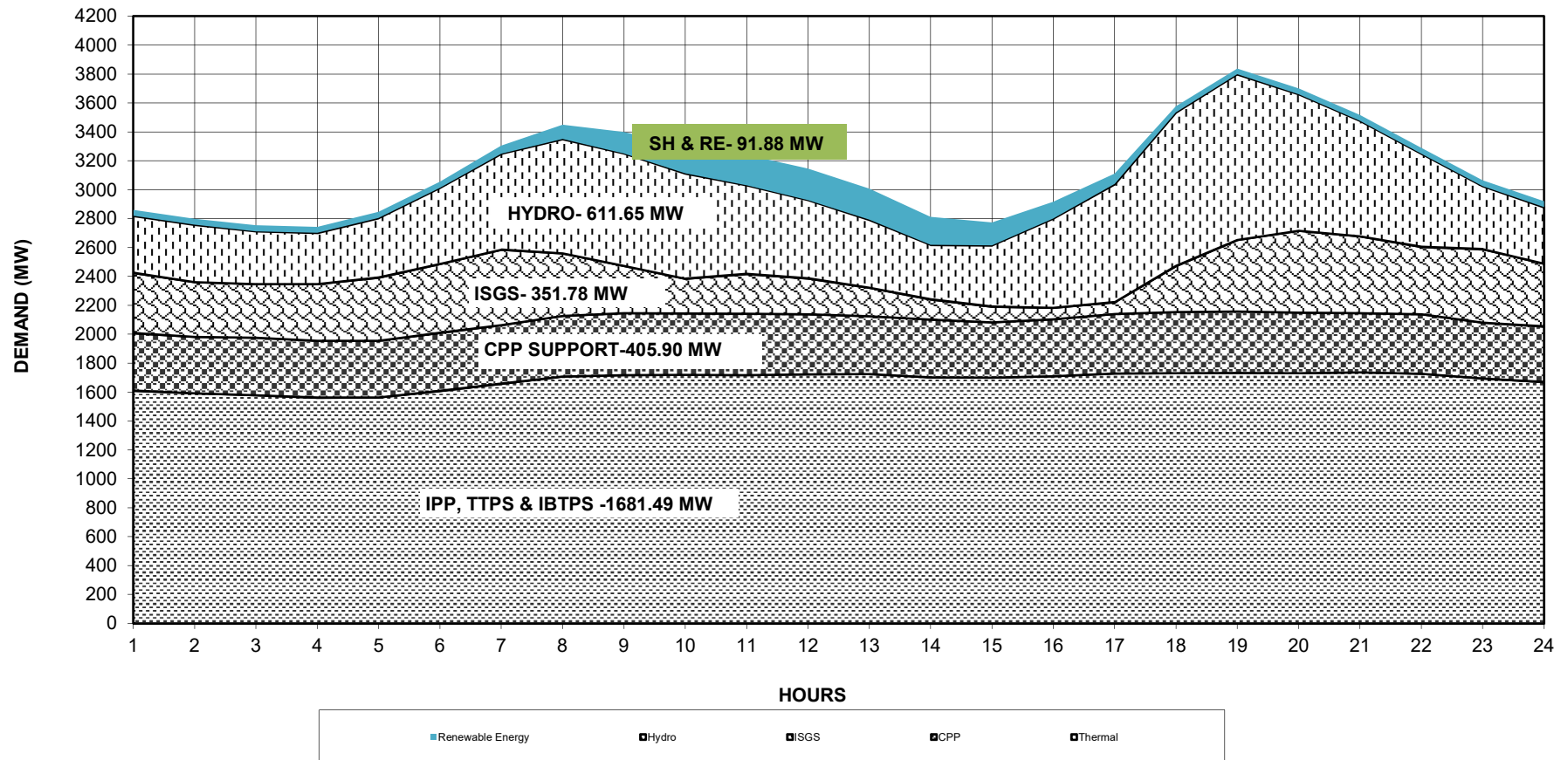
RENEWABLE PROJECTS

Sl.No	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	4.5 MW	4.5	SOLAR	SELF	33 kV
25	ADITYA BIRLA RENEWABLES LTD, BOUDH	25 MW	25	SOLAR		
26	ADITYA BIRLA RENEWABLES LTD, BARGARH(N)	25 MW	25	SOLAR		33 kV
		TOTAL	444.5			
	GRAND TOTAL (SMALL HYDRO,IPP & CPP)		19392.05			



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

Average Demand=3142.70 MW



COMPARISON SYSTEM DEMAND WITH PREVIOUS FINANCIAL YEAR



MONTHLY GENERATION & DEMAND REPORT FOR THE STATE OF ODISHA IN THE MONTH OF NOVEMBER- 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	21.715	14.739	14.790	0.000	0.000	0.000	0.000	51.244	71.172	0.217	111.14	2	4.00
2	Chipilima	10.533	11.390	5.105	-	-	-	-	-	27.028	37.539	0.096	62.81	3	20.00
4	Balimela	0.000	0.000	26.382	0.000	26.660	26.674	30.987	30.965	141.668	196.761	0.562	300.61	9	10.00
5	Rengali	13.147	10.341	14.401	15.389	10.871	-	-	-	64.149	89.096	0.993	242.91	1	18.00
6	Upper Kolab	21.056	14.893	9.394	7.462	-	-	-	-	52.805	73.340	0.117	225.79	30	18.00
7	Upper Indravati	40.655	23.519	29.455	14.114	-	-	-	-	107.743	149.642	2.017	597.70	1	19.00
8	Total Hydro (OHPC)	-	-	-	-	-	-	-	-	444.637	617.551				
9	Machhakund (Orissa drawal)	-	-	-	-	-	-	-	-	25.929	36.013		49.37	13	19.00
10	Total Hydro	-	-	-	-	-	-	-	-	470.566	653.563		1555.90	1	19.00
11	TTPS-I	40.003	41.228	35.262	41.669	-	-	-	-	158.162	219.669		230.81	23	18.00
12	TTPS-II	62.973	70.455	-	-	-	-	-	-	133.428	185.317		212.15	9	8.00
13	Total TTPS	-	-	-	-	-	-	-	-	291.590	404.986	33.186	437.35	7	3.00
14	IBTPS-I	124.95	117.369	-	-	-	-	-	-	242.314	336.547	27.400	900.18	28.00	19.00
15	IBTPS-II	-	-	16.425	277.947	-	-	-	-	294.372	408.850	22.552			
16	Total IBTPS	-	-	-	-	-	-	-	-	536.686	745.397				
17	IPPs & CGPs Support	-	-	-	-	-	-	-	-	772.154	1072.436				
18	Total Thermal & IPPs & CGP	-	-	-	-	-	-	-	-	1600.430	2222.819		2475.37	6	3.00
19	Injection by Renewable projects	43.81778	-	-	-	-	-	-	-	43.818	60.858				
20	Total self generation	-	-	-	-	-	-	-	-	2114.813	2937.240	87.140	3861.73	5	9.00

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

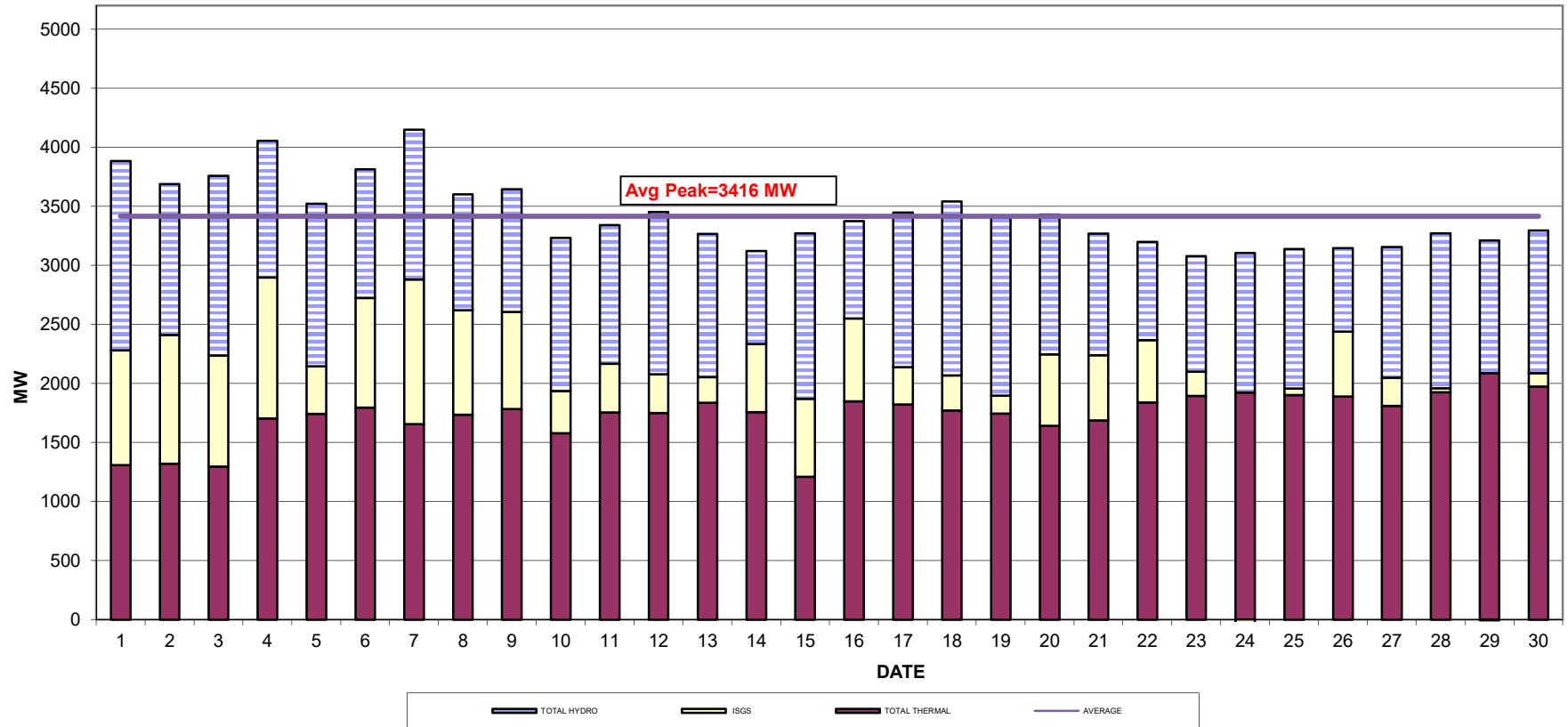
(B) IPPs / CGPs injection :-

SL No.		Name of IPP / CGPs		(C)EXCHANGE OF ENERGY WITH CENTRAL SECTOR											
				Injection in (MU)	Average (MW)	Maximum Injection (MW)	DATE	TIME (Hr.)	Name of the Tie line	Net MU	Avg MW	Maximum Import (MW)	DATE	TIME	Maximum Export (MW)
1	Aarti Steel Ltd, ghantikhal	0.794	1.103	27.08	10	8.00			132KV JODA-KENDUPOSI	-14.39	-19.99	-9.46	30	14.00	-42.10
2	ACC	0.000	0.000						132KV KALABADIA-BANGIRIPOSI	33.48	46.50	66.40	13	19.00	5.07
3	Action Ispat	0.000	0.000						132KV KALABADIA-BARIPADA	13.74	19.09	36.65	17	10.00	10.14
4	Aryan Ispat,	0.753	1.045						132 KV BHOGRAI-KUCHEI	7.14	9.92	16.53	2	21.00	3.49
5	BPPL	79.426	110.314	125.47	29	2.00			132 KV JALESWAR-KUCHEI	10.33	14.35	22.88	2	21.00	7.81
6	BPSL, Jharsuguda	12.545	17.424	111.22	5	7.00			220KV JODA-JAMSHEDPUR	-33.98	-47.19	15.02	20	8.00	-100.78
7	TSBSL, Meramundali	17.865	24.812	77.62	10	12.00			220KV JODA-RAMCHANDRAPUR	50.34	69.92	114.58	30	19.00	0.14
8	GMR Kamalanga Energy Ltd (IPP)	212.360	294.944						220KV RENGALI SV- RENGALI P.G-I	-1.08	-1.50	30.78	20	17.00	-34.24
9	HINDALCO, Hirakud	2.800	3.889						220KV RENGALI SV- RENGALI P.G-II	-2.10	-2.92	42.21	20	12.00	-46.17
10	IFFCO, Paradeep	0.0001	0.000						220KV JAYANAGAR JEYPORE PG-I	-42.25	-58.68	7.44	18	5.00	-183.86
11	IMFA, Choudwar	21.987	30.538	33.18	2	1.00			220KV JAYANAGAR JEYPORE PG-II	-44.65	-62.02	6.64	18	5.00	-191.09
12	JINDAL, New Duburi	5.501	7.641	36.44	7	10.00			220KV RENGALI P.H-KANIHA	-29.06	-40.36	17.04	24	16.00	-103.04
13	JSPL, Angul	38.447	53.399	115.07	10	12.00			220KV TTPS-KANIHA	22.66	31.47	85.04	1	2.00	-1.47
14	Mahavir Ferro Alloys	0.000	0.000						220KV MERAMUNDALI-KANIHA-I	31.99	44.43	97.45	1	9.00	9.33
15	Malithan Ispat Ltd.	0.000	0.000						220KV MERAMUNDALI-KANIHA-II	32.29	44.84	98.26	1	9.00	9.38
16	Meenakshi Power Ltd. (SH)	15.443	21.449						220KV TARAKARA-BISRA-I & II	78.42	108.91	214.21	29	8.00	0.00
17	MSP, Jharsuguda	0.000	0.000						220 KV KALABADIA-BALASORE-I&II	85.12	118.23	176.82	6	19.00	50.13
18	NALCO, Angul	18.82	26.144	57.24	3	10.00			220KV KATAPALI- BOLANGIR(PG)	-59.86	-83.14	1.02	21	4.00	-129.10
19	Nartheram	0.025	0.035						220KV SADEIPALI- BOLANGIR(PG)	52.48	72.89	259.65	25	18.00	-70.36
20	NBVL, Kharag Prasad	7.685	10.674	47.53	24	8.00			220KV BUDHIPADAR-KORBA-I	-22.47	-31.20	41.46	27	23.00	-137.10
21	NINL, Duburi	0.000	0.000						220KV BUDHIPADAR-KORBA-II	41.35	57.44	112.72	11	4.00	-137.10
22	OCL	1.985	2.757						220KV BUDHIPADAR-KORBA-III	38.70	53.75	107.41	20	23.00	-1.02
23	OPCL, Samal (SH)	9.582	13.309						220KV ATRI- PANDIVIL	127.41	176.96	268.12	20	21.00	-1.30
24	BPPLT	3.591	4.988						220KVSAMANGHARA- PANDIVIL	0.00	0.00	0.04	10	12.00	106.28
25	PSAL, Keonjhar	0.000	0.000						220KV KEONJHAR 220KV KEONJHAR	2.06	2.86	7.92	16	19.00	0.00
26	RSP, Rourkela	0.065	0.090						220KV KEONJHAR 220KV KEONJHAR	2.06	2.86	7.93	16	19.00	0.00
27	Shree Ganesh	0.145	0.202						400KV INDRAVATI P.H-P.G	-24.68	-34.28	64.38	20	7.00	-245.69
28	Shyam Metalics	0.989	1.373						400KV MERAMUNDALI-KANIHA	149.61	207.79	912.30	1	9.00	-227.18
29	SMC Power	0.030	0.042						400KV MERAMUNDALI-ANGUL-I&II	-84.39	-117.21	24.84	3	14.00	-282.53
30	TSPL	8.982	12.476						400KV MENDHASAL - PANDIABIL-I & II	-63.33	-87.96	-21.14	30	19.00	-167.08
31	Vedanta Ltd. (IPP-Unit-2)	232.477	322.885						400KV DUBURI - PANDIABIL	-38.64	-53.67	-20.08	9	9.00	-95.09
32	Vedanta, Jharsuguda	73.501	102.085						400KV DUBURI - BARIPADA	-8.07	-11.20	100.51	30	19.00	-122.89
33	Vedanta, Lanjigarh	0.047	0.065						400KV VEDANTA-JHARSUGUDA Ckt-I	-0.59	-0.81	263.18	7	20.00	-183.05
34	VISA Steel, New-Duburi	1.194	1.658	7.02	26	1.00			400KV VEDANTA-JHARSUGUDA Ckt-II	-0.51	-0.71	262.13	7	20.00	-183.35
35	Yazdani Steel & Power Ltd., J.J Rd	0.220	0.305						400KV OPGC-JHARS PG - I	-28.17	-39.13	131.63	7	20.00	-190.97
36	Vedanta Ltd. (3*600)	4.888	6.789						400KV OPGC-JHARS PG - II	-27.93	-38.80	131.24	7	20.00	-190.38
Total support from CPPs		772.154	1072.436						Net ISGS	253.03	351.43	1387.62	7	20.00	-190.97

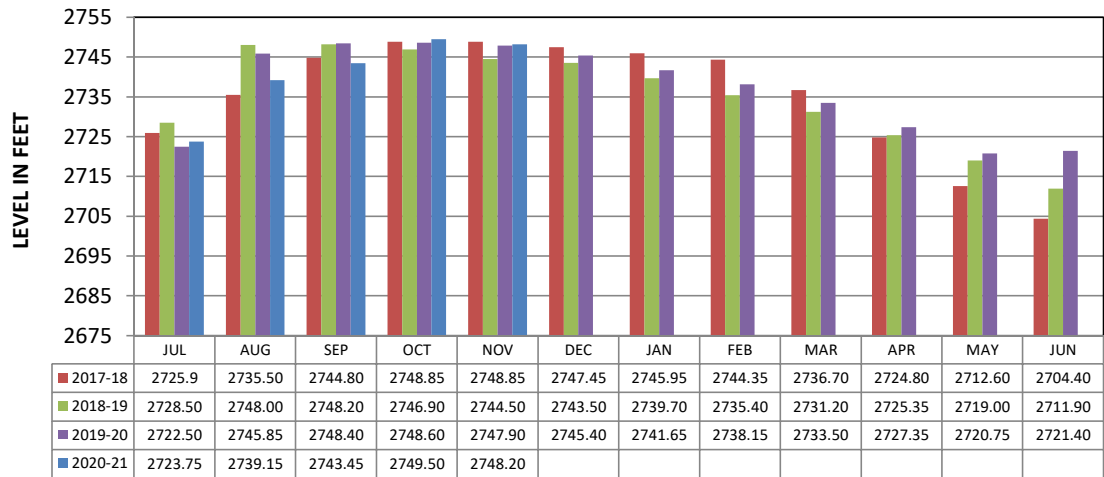
ABSTRACT OF SYSTEM DEMAND

Particulars	Energy MU	Average MW	Peak MW	DATE	TIME
Total gross generation(Including CPP+IPP)	2114.813	2937.240	2588.14	7	19.00
Power Station Auxiliary consumption	87.140	121.028			
Total net generation(Including CPP+IPP)	2027.673	2816.212	2584.17	7	19.00
Net ISGS	253.030	351.430	659.80	7	19.00
System Demand	2280.703	3167.643	4681.18	7	19.00
Trading					
Average of Peak Demand (MW)		3715.673			
Average of Minimum Demand (MW)		2694.840			

DAILY GENERATION SHARING DURING PEAK DEMAND DURING NOVEMBER- 2020

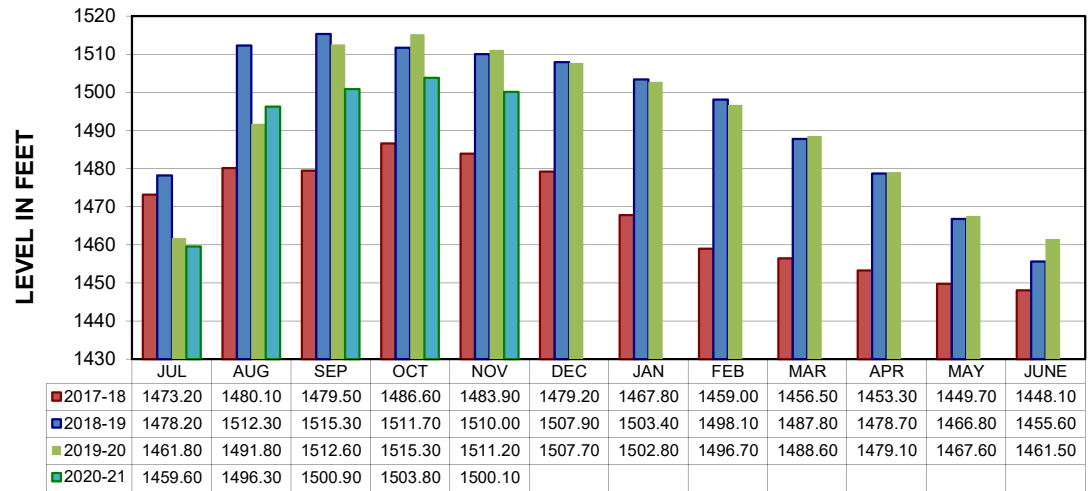


JOLAPUT RESERVOIR LEVEL



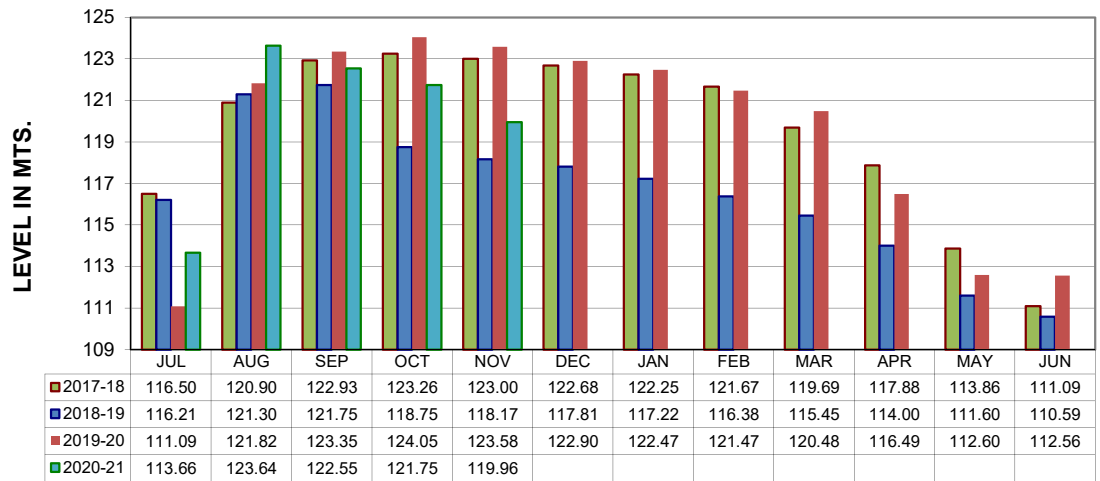
MONTH (End)

BALIMELA RESERVOIR LEVEL



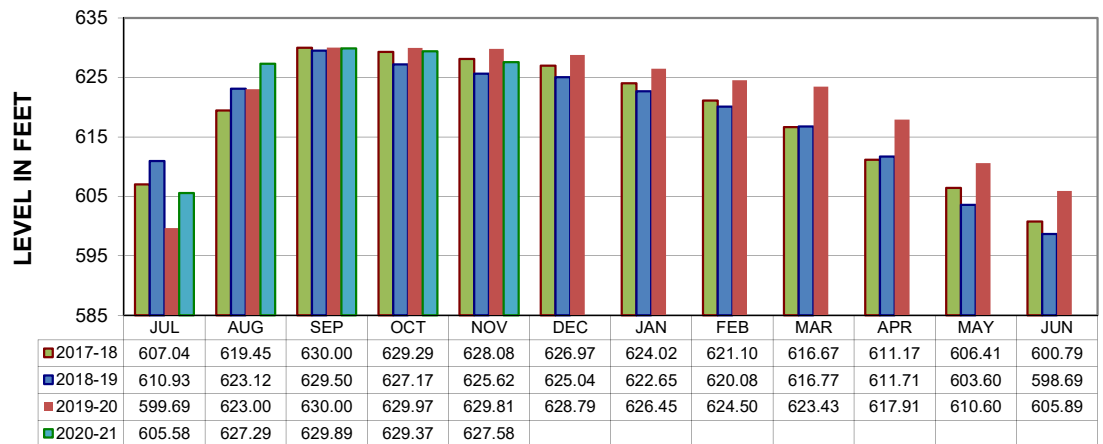
MONTH (End)

RENGALI RESERVOIR LEVEL



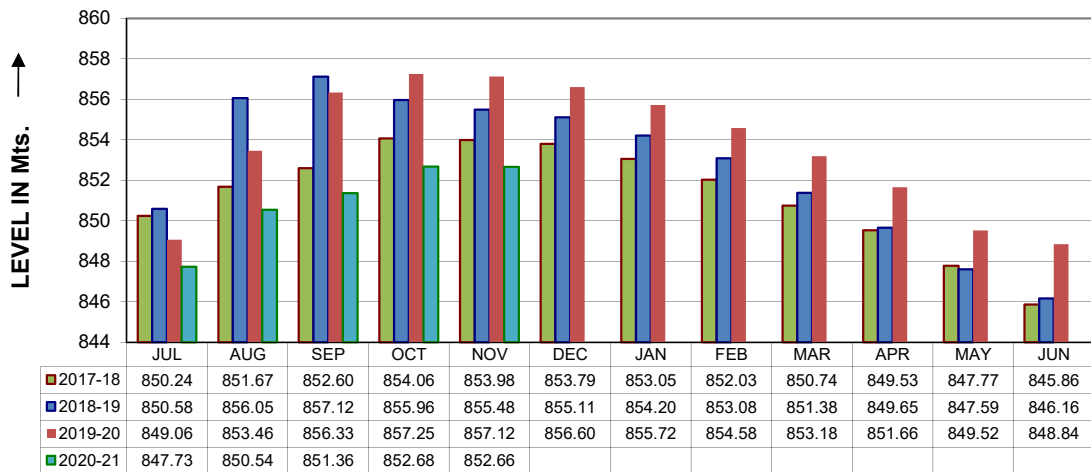
MONTH (End)

HIRAKUD RESERVOIR LEVEL



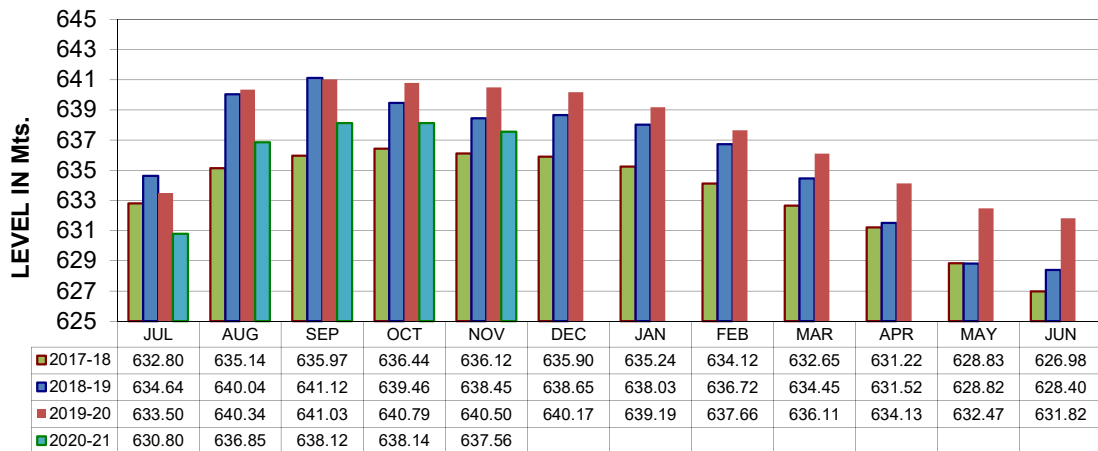
MONTH (End)

U.KOLAB RESERVOIR LEVEL



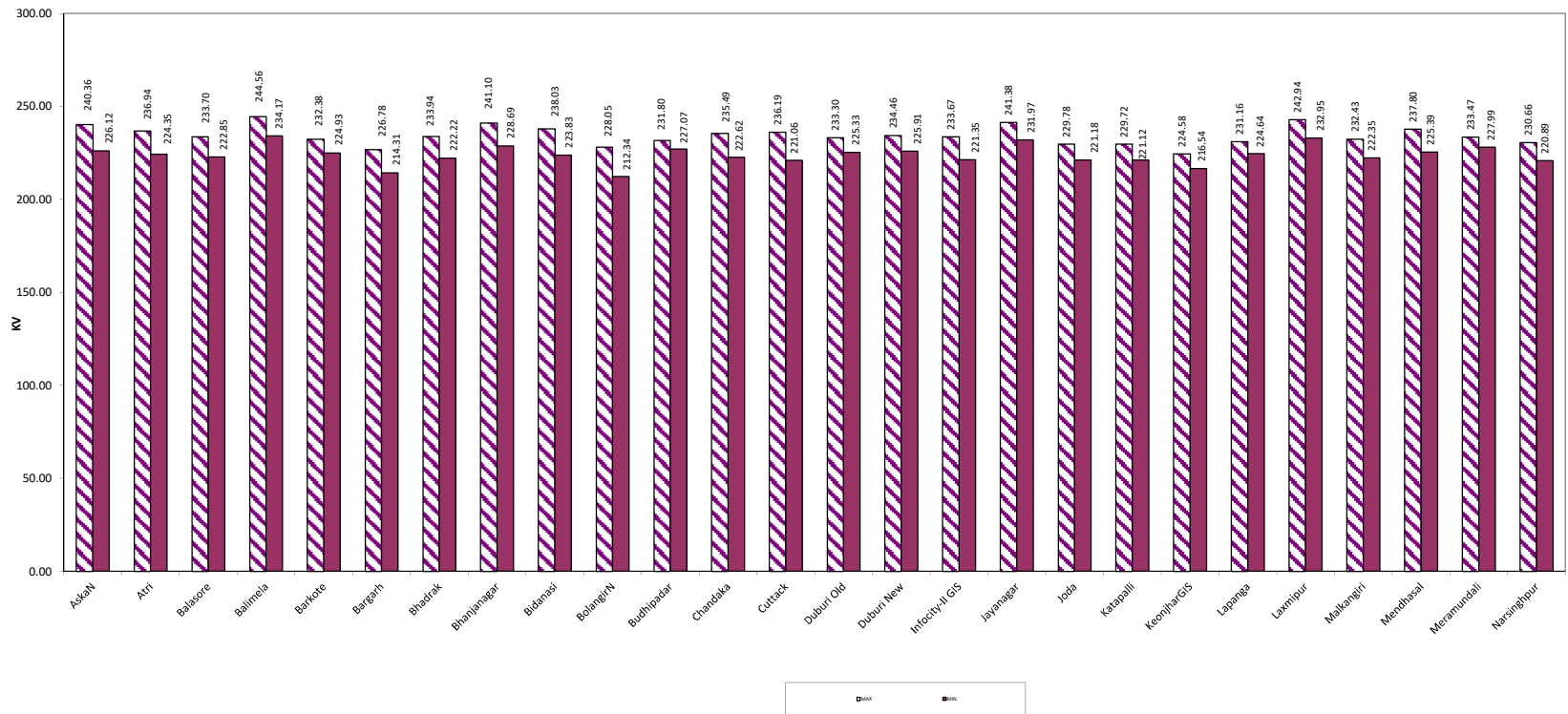
MONTH (End)

INDRAVATI RESERVOIR LEVEL



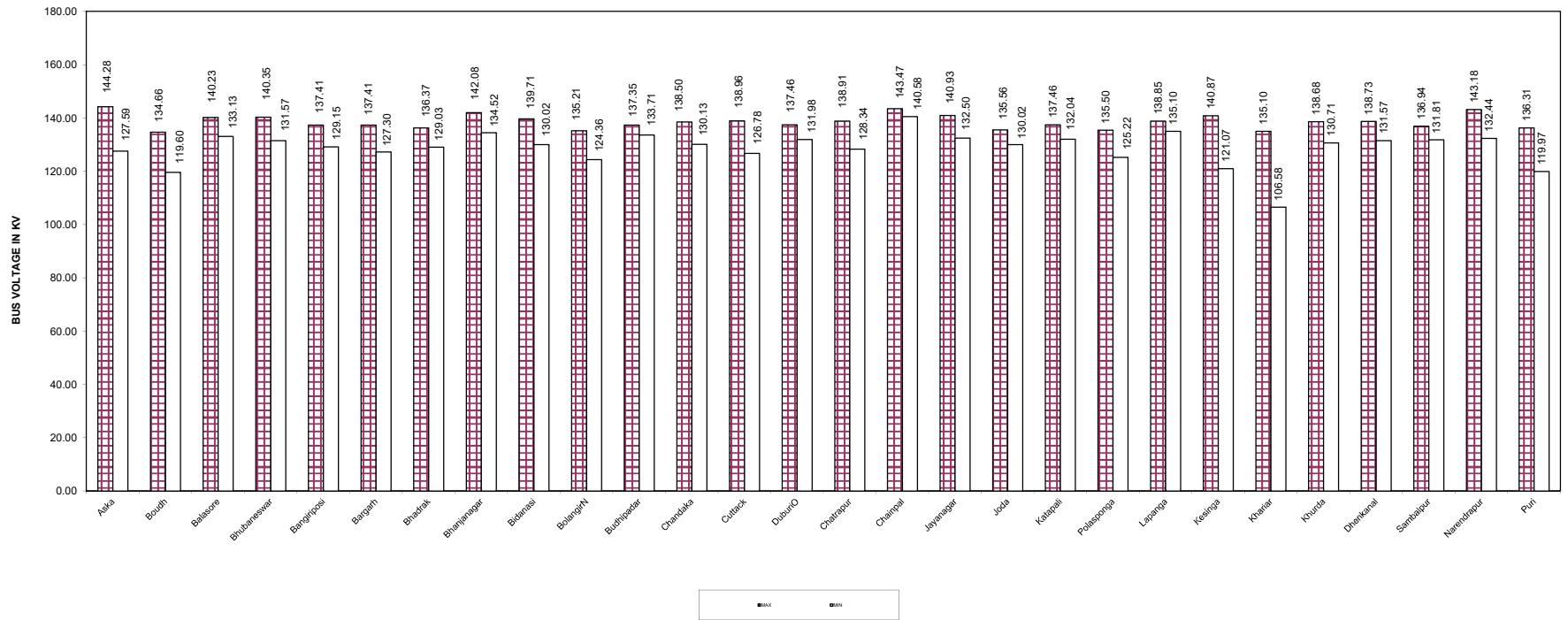
MONTH (End)

VOLTAGE PROFILE OF 220KV S/S FOR NOVEMBER 2020

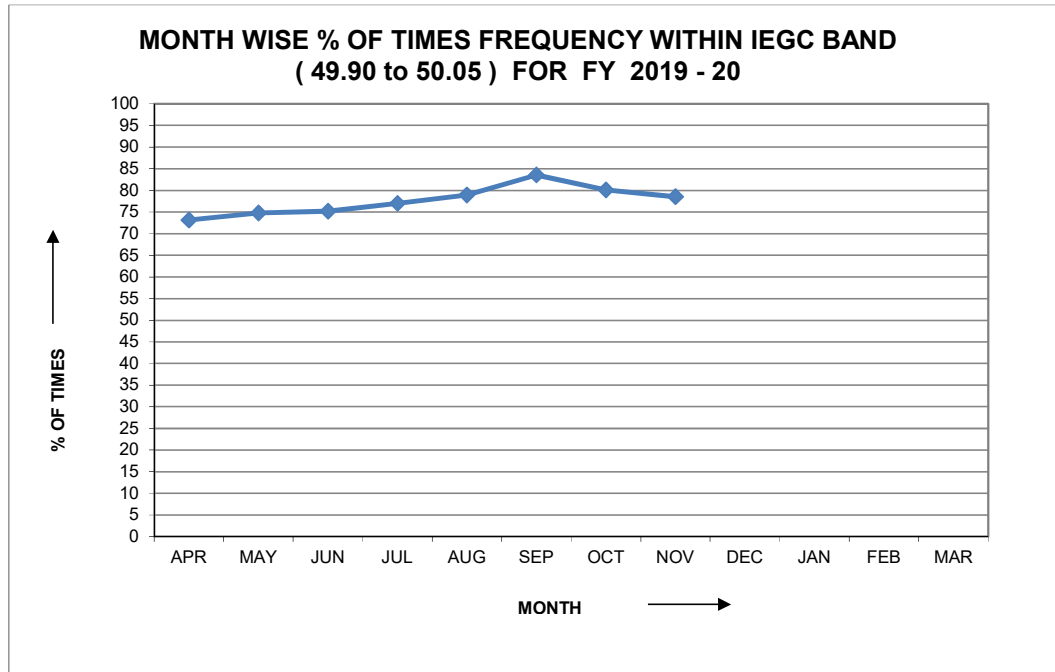


STATION	ATRI		BALASORE		BARKOTE		BARGARH(N)		BHADRAK		BHANJANAGAR		BIDANASI		BOLANGIR		BUDHIPADAR		CHANDAKA		CUTTACK		DUBURI		DUBURI (N)		JAYANAGAR		JODA		KATAPALI		LAPANGA		LAXMIPUR		MENDHASAL		MERAMUNDALI		NARENDRAPUR		NAYAGARH		PARADEEP		TARKERA		THERLUALI			
	DAY	Hrs.	DAY	Hrs.	DAY	Hrs.	DAY	Hrs.	DAY	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	28	02:00	26	03:00	27	02:00	26	04:30	10	05:00	9	01:30	25	02:30	28	02:30	26	01:45	9	01:30	27	02:45	26	01:45	26	02:15	15	03:15	25	02:30	26	01:00	26	03:45	14	03:30	14	03:30	14	03:30	11	14:00	27	03:15	30	09:45	26	09:45	26	02:15	14	14:00
MINM	19	17:45	19	17:45	6	17:30	21	08:30	27	09:00	6	18:00	2	18:00	19	17:45	19	17:45	6	18:00	28	18:00	19	17:45	13	10:15	6	17:30	6	17:30	19	17:45	21	09:00	21	18:00	21	18:00	12	17:45	24	11:45	21	08:45	21	08:15	19	17:45	6	17:30		

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



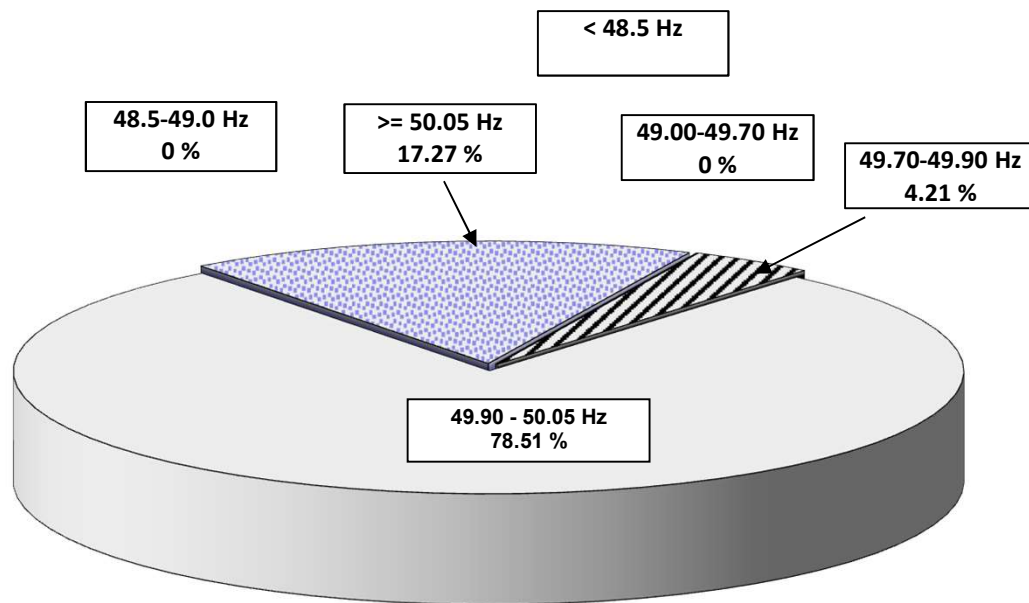
STN	CHATRAPUR		BALASORE		CHAMPAL		BARGARH (N)		BHADRAK		BHANUNAGAR		BIDANASI		BOLANGIR		BUDHPADAR		CHANDAKA		CUTTACK		DUBURI		KHURDA		JAYANAGAR		JODA		KATAPALI		LAPANGA		MANCHESWAR		PURI		MERAMUNDALI		NARENDRAPUR		BERHAMPUR		PARADEEP		TARKERA		THERUVALI		Bhubaneswar	
	DAY	Hrs.	DAY	Hrs.	DAY	Hrs.	DAY	Hrs.	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.	DAY	Hrs.
MAX	28	2:00	30	05:15	27	01:15	25	02:30	26	02:45	25	14:45	25	02:15	28	02:30	9	02:45	9	01:30	27	3:15	25	02:30	15	03:45	15	03:15	28	02:00	27	01:00	28	01:30	11	14:00	27	01:00	21	6:00	27	01:00	30	13:00	29	08:00	25	02:30	25	02:30	27	01:00
MIN	4	12:15	6	17:45	2	18:15	2	17:45	2	18:15	2	10:15	2	18:00	19	17:45	19	18:00	6	18:00	19	17:45	19	17:45	19	17:45	6	17:30	19	17:45	6	17:30	13	18:15	19	18:15	21	18:00	12	10:15	24	11:45	16	16:00	20	17:45	19	17:45	9	11:30	21	18:00



**FREQUENCY WITHIN THE STANDARD BAND & ABOVE .
(FROM 2018-2019 TO 2020- 2021)**

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	50.01	50.00	50.00	50	50.00	50.00					50.00
	% of time (49.9 to 50.05 Hz)	73.16	74.78	75.22	77.02	78.93	83.56	80.11	78.51					77.66
	% of time (above 50.05 Hz)	22.06	21.33	20.64	16.78	15.08	12.34	16.25	17.27					17.72

MONTHLY FREQUENCY PROFILE FOR NOVEMBER 2020



FREQUENCY DISTRIBUTION FOR THE MONTH OF NOVEMBER - 2020 IN MINUTES (No of minutes during the month frequency remained)

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	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0
49.7-49.9	35	82	22	46	95	26	38	34	35	14	39	84	34	104	142
49.9-50.05	1206	1166	1138	1170	1101	1099	1175	1190	1146	1146	1202	1124	1100	1056	1152
>50.05	199	192	280	224	242	315	227	216	259	280	199	232	306	280	146
>=50.1Hz	17	22	18	18	25	46	30	26	39	28	29	17	47	53	21

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	0	0	0	0	0	0	0	0	0		0
49.7-49.90	80	38	61	62	41	75	113	141	80	27	52	48	52	86	34		30
49.9-50.05	1041	1148	1157	1172	1161	1105	1125	1066	1084	1119	1036	1064	1142	1137	1189		565
>50.05	319	254	222	206	238	260	202	233	276	294	352	328	246	217	217		124
>=50.10Hz	52	24	28	20	29	24	24	23	27	51	53	45	29	21	30		15

ENERGY DRAWAL OF TPCODL CONTROL AREA GRID SUBSTATIONS FOR THE MONTH OF NOVEMBER'2020

Sl.No	Name of Sub Station	Name of Feeder	Installed Capacity	SMD	Average Drawal	MAX DEMAND			
						MW	Date		
1	Angul	MCL Feeder-1&2	MVA 132 kV	MW 29.165	MW 22.005	MW 30.380	Date 7th Nov 2020	Time 11:15	
		Angul	2x40+1x20=100	25.968	18.098	26.527	2nd Nov 2020	18:15	
2	Angul PG	PGCIL Stn. Tertiary		0.132	0.146	0.132	1st Nov 2020	00:00	
		Arati Steel	132 kV	26.013	14.939	32.663	18th Nov 2020	09:45	
3	Argul	Argul	2x40+1x20=100	6.528	6.105	14.456	17th Nov 2020	11:00	
4	Badagada	Badagada	2x63=126	15.188	18.378	36.844	19th Nov 2020	17:45	
5	Balugaon	SOLARI Traction	132kV	1.560	2.617	10.280	15th Nov 2020	16:30	
		Balugaon	1x40+1x20+1x12.5=72	31.429	20.611	31.678	1st Nov 2020	18:45	
6	Banki	Banki	2x20=40	9.472	6.467	10.936	3rd Nov 2020	13:30	
7	Bhubaneswar	Bhubaneswar	3x63=189	71.080	47.364	83.400	2nd Nov 2020	11:45	
8	Bidanasi	Bidanasi	2x63+1x40=166	54.745	40.100	58.843	5th Nov 2020	18:00	
9	Boinda	Boinda Traction	132 kV	2.040	1.650	11.200	20th Nov 2020	19:00	
		Boinda	1x20+2x12.5=45	17.897	11.194	18.090	3rd Nov 2020	18:00	
10	BPPL S/W	BPPL Fdr-I&II	132 kV	0.000	0.000	0.000	1st Nov 2020	00:00	
11	Chainpal	FCI Feeder	132 kV	0.480	0.321	0.600	17th Nov 2020	19:00	
		Talcher Rd. Trac.	132 kV	6.600	6.476	14.000	8th Nov 2020	22:30	
		Chainpal	2x40+1x20=100	40.192	29.337	47.232	1st Nov 2020	18:45	
12	Chandaka	Chandaka	3x63=189	72.341	49.396	74.910	21th Nov 2020	16:15	
13	Chandpur	Chandpur	2x12.5=25	10.425	7.004	12.373	20th Nov 2020	19:15	
14	Choudwar	Choudwar Traction	132 kV	3.760	5.652	18.680	20th Nov 2020	09:30	
		Choudwar	3x40=120	56.339	39.325	57.523	18th Nov 2020	18:45	
15	Cuttack	Cuttack	3x40=120	41.545	27.366	43.863	2nd Nov 2020	18:30	
16	Dhenkanal	Joranda Trac.	132 kV	6.113	6.235	14.938	15th Nov 2020	22:30	
		Narveram CGP Fdr	33 kV	0.000	0.035	3.923	21th Nov 2020	09:15	
		Dhenkanal	3x40=120	40.105	28.299	42.289	3rd Nov 2020	18:00	
18	Global	Heavy Water Feeder	132 kV	0.440	0.364	0.560	17th Nov 2020	18:00	
		Global	1x20=20	0.000	0.000	0.000	1st Nov 2020	00:00	
17	Grid Steel Alloy S/W	GSAL Feeder	132kV	0.000	0.000	0.000	1st Nov 2020	00:00	
18	Hind Metalics	MGM Feeder	132kV	0.932	0.191	2.084	2nd Nov 2020	15:00	
		NBVL Fdr-1&2	132kV	0.000	0.001	0.438	9th Nov 2020	11:15	
		SGEL Feeder	132kV	0.000	0.077	1.838	22th Nov 2020	06:30	
		Meramundali Trac.	132 kV	4.213	5.284	18.650	24th Nov 2020	10:45	
19	Infocity-II GIS	Infocity-II GIS (220/33)	2x40=80	15.880	8.564	17.560	20th Nov 2020	18:15	
20	Jagatsinghpur	Gorakhnatn Trac.	132 kV	6.269	6.420	12.706	10th Nov 2020	03:00	
		Jagatsinghpur	1x40+2x20=80	32.321	20.926	34.424	2nd Nov 2020	20:45	
21	Kalarangi	Kalarangi	1x20+2x12.5=45	13.118	8.088	13.638	27th Nov 2020	18:00	
22	Kamakhyanagar	Kamakhyanagar	1x20+2x12.5=45	17.460	12.172	17.836	2nd Nov 2020	18:15	
23	Kendrapada	Kendrapada	2x40+1x12.5=92.5	27.520	17.577	29.280	2nd Nov 2020	20:15	
24	Khairiakata	Khairiakata	2x40=80	5.996	3.787	7.264	13th Nov 2020	18:00	
25	Khuntuni GIS	Khuntuni GIS	2x40=80	2.800	2.679	6.240	28th Nov 2020	17:15	
26	Khurda	Kaipadar Trac.	132 kV	4.800	6.922	17.920	13th Nov 2020	08:45	
		Khurda	4x40=160	60.814	43.041	61.373	3rd Nov 2020	18:00	
27	Konark	Konark	2x20=40	5.476	3.320	6.128	7th Nov 2020	17:45	
28	Mania	Mania	1x20+1x12.5=32.5	5.092	3.709	8.504	17th Nov 2020	17:30	
29	Marshaghai	Marshaghai	2x20=40	15.516	8.843	16.920	2nd Nov 2020	21:15	
		Kendrapada Traction	132 kV	0.080	1.266	7.480	11th Nov 2020	04:15	
30	Mendhasal	Mendhasal(220/33)	2x20=40	0.476	0.354	0.504	1st Nov 2020	19:45	
31	Meramundali	BSL-TATA Fdr-1&2	220 kV	53.880	14.096	63.560	16th Nov 2020	23:45	
		BRG Feeder	132kV	10.720	5.605	18.560	5th Nov 2020	13:45	
		JSPL Feeder-1&2	400 kV	0.000	0.117	22.688	30th Nov 2020	20:30	
		RUNGTA Feeder	132kV	0.280	0.177	0.360	28th Nov 2020	17:15	
32	Narsinghpur	Narsinghpur(220/33)	1x40=40	3.308	2.434	3.700	3rd Nov 2020	19:00	
33	Navagarh	Navagarh (220/33)	2x40+1x20=100	41.922	27.423	49.155	15th Nov 2020	19:45	
34	Nimapara	Nimapara	3x40=120	42.141	29.859	48.509	7th Nov 2020	17:30	
35	Nuapatana	Nuapatana	1x40+1x20+1x12.5=72	30.112	20.125	32.529	25th Nov 2020	18:00	
36	Olaver	Olaver	2x12.5=25	6.200	3.713	7.868	2nd Nov 2020	20:45	
37	Pandiabil PG	PGCIL Stn. Tertiary		0.041	0.046	0.041	1st Nov 2020	00:00	
38	Paradeep	Essar Steel Fdr-1&2	220kV	0.000	0.000	0.000	1st Nov 2020	00:00	
		IFFCO Fder-1&2	132kV	0.080	1.752	9.000	1st Nov 2020	20:30	
		IOCL Feeder	220kV	0.375	3.127	6.238	13th Nov 2020	17:30	
		PPL Fder-1&2	132kV	0.040	1.010	13.280	25th Nov 2020	00:15	
		PPT Fder-1&2	132kV	14.640	10.368	16.880	13th Nov 2020	19:00	
		Paradeep	3x20=60	18.244	13.416	21.662	20th Nov 2020	18:30	
39	Pattamundai	Pattamundai	2x20+1x12.5=52.5	19.454	13.610	25.213	2nd Nov 2020	21:15	
40	Phulnakhara	Phulnakhara	1x40+2x20=80	29.976	20.129	30.568	2nd Nov 2020	18:00	
41	Puri	Puri	3x40=120	30.994	21.333	32.364	2nd Nov 2020	20:00	
42	Ranasinghpur	Ranasinghpur	3x63=189	66.945	45.024	71.078	7th Nov 2020	17:30	
43	Rengali PG	PGCIL Stn. Tertiary		0.035	0.039	0.035	1st Nov 2020	00:00	
44	Rengali S/W	Rengali S/W (220/33)	2x20=40	12.296	7.574	13.116	20th Nov 2020	18:30	
45	Salipur	OCL Feeder	132kV	1.678	5.219	9.813	5th Nov 2020	20:30	
		Salipur	3x20=60	25.244	17.454	28.926	27th Nov 2020	18:30	
46	Samangara	Samangara	2x20=40	0.020	0.018	0.056	27th Nov 2020	17:30	
47	Shamuka	Shamuka	2x31.5=63	21.080	14.539	38.320	5th Nov 2020	12:45	
48	Tirtol	Tirtol	2x40=80	9.000	5.837	10.080	2nd Nov 2020	19:00	
49	TS Alloys S/W	RAWMET Feeder	132kV	23.469	21.622	24.188	15th Nov 2020	04:45	
50	Unit-8 GIS	Unit-8 GIS	2x40=80	12.117	10.101	20.078	15th Nov 2020	14:00	
		Balugaon	Khallikote Feeder	33kV	-18.256	-11.071	-18.972	14th Nov 2020	07:45
		Chandikhol	Badachana Feeder	33kV	12.464	8.050	12.521	20th Nov 2020	18:30
		Rairakhol	Bamur Feeder	33kV	3.280	1.880	3.892	18th Nov 2020	17:45
		Rengali	BUDHAPAL Feeder	33kV	-1.180	-0.806	-1.476	22th Nov 2020	18:45
		Barkote	Pallhara Feeder	33kV	2.100	1.469	6.231	22th Nov 2020	18:30
		Chandaka	S.N. Mohanty(Solar)	11kV	0.000	0.117	0.607	28th Nov 2020	11:00
		Chandpur	MGM SOLAR	11kV	0.000	0.122	0.652	8th Nov 2020	11:15
		Chandpur	VIVACITY Solar	11kV	0.000	0.109	0.557	24th Nov 2020	10:30
		TPCODL TOTAL ENERGY (MU)		1,261.0171	632.4061	1,598.9747			

ENERGY DRAWAL OF WESCO CONTROL AREA GRID SUBSTATIONS FOR THE MONTH OF NOVEMBER'2020

Sl.No	Name of Sub Station	Name of Feeder	Installed Capacity	SMD	Average Drawal MW	MAX DEMAND		
						MW	Date	Time
1	Aryan-Viraj S/W	Aryan Ispat Feeder	132 kV	0.000	0.308	1.994	14th Nov 2020	23:00
		Arvan-Viraj	132 kV	0.034	0.344	3.222	23th Nov 2020	09:45
2	Bamra	Bamra Traction	132 kV	6.200	7.368	16.560	26th Nov 2020	15:00
3	Barapalli	Dunguripali Tr.	132kV	0.520	2.809	11.320	2nd Nov 2020	20:00
		Barapalli	1x40+1x20=60	36.348	20.840	39.436	13th Nov 2020	18:00
4	Bargarh	ACC Feeder-1&2	132kV	1.080	0.717	4.120	21th Nov 2020	23:00
	Bargarh	Bargarh	3x40=120	65.215	39.215	73.141	6th Nov 2020	07:45
5	Bargarh (New)	Bargarh (New)	2x12.5=25	0.080	0.036	0.120	3rd Nov 2020	17:30
6	Barkote	Barkote (220/33)	2x40=80	12.184	7.929	15.886	22th Nov 2020	18:15
7	Bhalulata	Bhalulata Traction	132 kV	2.840	3.737	14.840	4th Nov 2020	12:15
8	Bhawanipatna	Lanjigarh Traction	132 kV	3.0948	2.210	12.0144	14th Nov 2020	0.4583
		Bhawanipatna	2x12.5=25	12.653	8.530	12.953	5th Nov 2020	19:30
9	Bolangir PG	415V side Tertiary		0.036	0.040	0.036	1st Nov 2020	00:00
10	Bolangir	Bolangir	3x40=120	50.655	31.152	57.985	20th Nov 2020	18:00
11	Bolangir (New)	Bolangir (New)	1x40+1x12.5=52.5	0.280	0.124	0.440	6th Nov 2020	17:15
12	Bonai	Bonai(220/33)	2x20=40	10.340	8.194	12.380	23th Nov 2020	18:00
13	Brajarainagar	Brajarainagar	1x40+3x20=100	33.132	22.724	33.660	3rd Nov 2020	17:45
14	Budhipadar	AAL Feeder-1&2	220 kV	0.320	0.750	47.440	9th Nov 2020	17:45
		Basundhara Fder	220 kV	2.563	2.020	3.406	2nd Nov 2020	17:30
		BPSL Fedr-1&2	220 kV	88.688	30.033	139.281	20th Nov 2020	13:45
		MCL Fder-1&2	132 kV	18.813	15.239	20.756	18th Nov 2020	19:15
		MSP Feeder	132 kV	0.000	0.000	0.000	1st Nov 2020	00:00
		SPS(CONCAST) Fdr	220 kV	0.000	0.000	0.000	1st Nov 2020	00:00
		Budhipadar	1x20+1x12.5=32.5	11.234	5.226	11.531	3rd Nov 2020	18:30
		Vedanta Ltd	220 kV	0.248	42.480	47.200	27th Nov 2020	07:15
15	Burla P.H.	Island & Incomer	11 kV	0.035	0.025	0.088	24th Nov 2020	17:45
16	Chandiposh	Chandiposh Trac	220 kV	3.280	5.950	16.880	11th Nov 2020	09:45
17	Chend	Adhunik Metallic Fdr.	132 kV	2.200	2.272	3.488	26th Nov 2020	17:00
		Nuagaon Trac.	132 kV	1.360	1.747	9.560	6th Nov 2020	19:30
		Sri Ganesh Metalics	132 kV	4.488	4.485	7.306	23th Nov 2020	11:15
		Chend	3x40=120	49.131	38.930	56.200	12th Nov 2020	18:30
18	Chipilima P.H.	Chipilima P.H.	1x20+1x12.5=32.5	22.931	14.118	23.349	3rd Nov 2020	18:00
19	Ghens	Ghens	1x40=40	33.440	19.926	36.400	12th Nov 2020	10:15
20	Jayapatna	Megalift Feeder-I &II	132 kV	0.040	0.104	3.680	2nd Nov 2020	09:15
		Javapatna	1x40=40	5.904	3.778	7.347	19th Nov 2020	18:00
21	Jharsuguda	Jharsuguda Trac.	132 kV	16.800	14.744	26.320	8th Nov 2020	21:00
		Jharsuguda	2x40=80	13.280	12.713	19.480	20th Nov 2020	17:15
		Ultratech Feeder	132kV	7.444	8.794	12.312	26th Nov 2020	03:00
22	Junagarah	Junagarah	3x20=60	19.016	13.153	20.284	2nd Nov 2020	18:15
23	Kalunga	Kalunga	2x40=80	43.736	38.885	48.542	19th Nov 2020	17:45
24	Kantabanji	Kantabanji Trac.	132 kV	0.240	1.335	9.400	1st Nov 2020	12:00
		Kantabanji	2x40=80	10.280	8.226	12.360	29th Nov 2020	11:00
	Katapali	HINDALCO Fdr-1&2	220 kV	4.080	2.574	36.600	5th Nov 2020	01:00
		Katapali	1x40+2x20=80	28.939	17.748	32.953	16th Nov 2020	06:45
26	Kesinga	POWMEX Fdr	132 kV	0.269	0.800	3.722	24th Nov 2020	16:00
		Kesinga Traction	132 kV	0.080	0.854	7.480	19th Nov 2020	19:15
		Kesinga	1x40+2x20=80	29.562	19.538	37.816	6th Nov 2020	17:45
27	Khariar	Khariar	2x40=80	31.000	21.870	31.840	2nd Nov 2020	18:00
28	Kuchinda	Kuchinda	2x20=40	15.866	9.387	16.897	30th Nov 2020	18:00
29	Lapanga	Rengali Traction	132KV	7.400	5.005	13.160	29th Nov 2020	15:15
	Nuapada	Lapanga	1x20=20	8.648	6.515	9.496	19th Nov 2020	17:45
		Nuapada Trac.	132 kV	0.000	0.000	0.000	1st Nov 2020	00:00
	Nuapada	Nuapada	2x20=40	6.864	5.696	9.204	20th Nov 2020	17:15
32	Padampur	Padampur	1x40+2x20=80	15.480	14.066	22.496	28th Nov 2020	17:30
33	Patnagarh	Patnagarh	1x40+2x20=80	26.498	14.501	31.813	20th Nov 2020	17:15
34	Rairakhol	Rairakhol Trac.	132kV	2.000	1.879	9.520	15th Nov 2020	12:45
		Rairakhol	3x12.5=37.5	9.448	5.542	10.344	18th Nov 2020	17:45
35	Rajgangpur	OCL Feeder	132kV	0.000	1.630	26.880	23th Nov 2020	01:30
		OISL Feeder	132kV	0.000	0.000	0.000	1st Nov 2020	00:00
		Rajgangpur Trac-1&2	132 kV	5.320	6.239	10.120	3rd Nov 2020	09:45
		Rajgangpur	3x40=120	52.040	41.139	56.800	19th Nov 2020	18:15
36	Rourkela PG	PG Tertiary		0.000	0.000	0.000	1st Nov 2020	00:00
37	Rourkela	Rourkela Trac Tfr	1x12.5=12.5	0.000	0.000	0.000	1st Nov 2020	00:00
		Rourkela	1x40+3x35=145	45.560	35.972	46.520	2nd Nov 2020	18:30
38	Saintala	ORDNANCE Feeder	132 kV	1.320	1.094	3.000	5th Nov 2020	10:30
39	Sambalpur	Sambalpur	1x40+2x31.5=103	59.328	41.736	70.428	18th Nov 2020	18:00
		Shvam DRI Feeder	132 kV	6.779	5.237	25.701	29th Nov 2020	21:15
40	SMC S/W	SMC Power	132kV	13.000	6.547	15.081	1st Nov 2020	01:30
41	Sonepur	Sonepur	2x40+1x20=100	49.131	26.320	50.369	1st Nov 2020	18:00
42	Sundargarah PG	PG TERTIARY	33 kV	0.108	0.120	0.108	1st Nov 2020	00:00
43	Sundargarah	Sundargarah	1x40+2x20=80	24.172	16.624	26.800	25th Nov 2020	17:30
44	Tarkera	RSP Feeder-1&2	220 kV	97.375	0.000	148.563	17th Nov 2020	19:30
		RSP Feeder-3&4	220 kV	0.000	0.000	9.600	10th Nov 2020	09:15
45	Tusura	Tusura	1x40+1x20=60	13.860	8.967	16.144	20th Nov 2020	09:30
		Deogaon Tr.	132kV	6.080	3.044	11.560	22th Nov 2020	10:15
46	VAL Lanjigarh	Vedanta Al. fder-1&2	132 kV	2.244	3.927	9.731	26th Nov 2020	12:30
47	Vedanda S/W	Vedanta SEZ	400 kV	908.073	167.800	1056.968	7th Nov 2020	05:00

	Barkote	Pallhara Feeder	33kV	-2.100	-1.469	-6.231	22th Nov 2020	18:30
	Joda	Joda-Tensa Feeder	33 kV	5.856	5.694	9.072	27th Nov 2020	19:15
	Rairakhol	Bamur Feeder	33 kV	-3.280	-1.880	-3.892	18th Nov 2020	17:45
	Rengali	BUDHAPAL Feeder	33kV	1.180	0.806	1.476	22th Nov 2020	18:45
	Sonepur	Manamunda Feeder	33 kV	-11.416	-6.757	-11.960	4th Nov 2020	18:00
	Tentulikhunti	Mukhiguda Fdr	33KV	2.236	1.145	2.304	4th Nov 2020	18:00
	ACME SOLAR	ACME SOLAR	132 kV	0.048	0.039	0.120	5th Nov 2020	17:15
	Bamra	Joy Iron Steel (Solar)	11 kV	0.000	0.074	0.328	13th Nov 2020	11:15
	Barkote	Molisati Solar	11 kV	0.000	0.120	0.507	8th Nov 2020	11:15
	Kesinga	SADIPALI Solar	33kV	0.000	4.053	19.880	12th Nov 2020	11:15
	Kesinga	Vento Power Solar -1	132 kV	0.080	0.052	0.120	1st Nov 2020	00:00
	Kesinga	Vento Power Solar -2	132 kV	0.080	0.031	0.080	1st Nov 2020	00:30
	Bonei	Mahavir Solar	33 kV	0.000	0.122	0.597	8th Nov 2020	12:30
	Padampur	Dakshin UPL solar	132kV	0.080	0.050	0.120	1st Nov 2020	00:00
	Patnagarh	ALEX Solar Pvt. Ltd.	33 kV	0.000	0.517	2.792	12th Nov 2020	10:45
	Patnagarh	JYOTI Solar	33 kV	0.000	2.231	9.800	12th Nov 2020	12:00
	Bolangir (New)	REHPL(Solar)	11kV	0.000	0.136	0.615	12th Nov 2020	10:15
	Saintala	BEL-OFBL Solar	132kV	0.024	0.016	0.036	6th Nov 2020	00:30
	Sonepur	GEDCOL Solar	33 kV	0.000	2.419	11.512	12th Nov 2020	12:15
	Sonepur	ABACUS Holdings	11 kV	0.000	0.164	0.795	28th Nov 2020	12:00
	Tusura	Vento Power Solar-I	132 kV	0.080	0.045	0.120	1st Nov 2020	01:00
	Tusura	Vento Power Solar-II	132 kV	0.040	0.031	0.080	1st Nov 2020	00:15
	Bargarh	Aditya Solar Fdr-I & II	33 kV	0.047	0.026	0.091	16th Nov 2020	17:30
		WESCO TOTAL ENERGY (MU)		2,053.5937	941.2231	2,007.8669		

ENERGY DRAWAL OF NESCO CONTROL AREA GRID SUBSTATIONS FOR THE MONTH OF NOVEMBER'2020								
Sl.No	Name of Sub Station	Name of Feeder	Installed Capacity MVA	SMD MW	Average Drawal MW	MAX DEMAND		Time
						MW	Date	
1	Agarpada	Agarpada	1x40=40	1.280	0.963	1.720	1st Nov 2020	18:00
2	Anandpur	Anandpur	1x20+2x12.5=45	13.012	10.493	20.752	16th Nov 2020	17:45
3	Arya Ispat S/w	ARYA Steel Fdr	132kV	6.572	6.877	8.920	17th Nov 2020	19:00
		BRPL Feeder	132kV	14.519	13.401	10.680	12th Nov 2020	10:45
		IMTCPL Fder	132kV	0.000	0.000	0.000	1st Nov 2020	00:00
4	Balasore	BIRLA Tyre Fder	132kV	0.672	1.778	7.704	4th Nov 2020	08:30
		ISPAT Feeder	132kV	0.000	0.000	0.000	1st Nov 2020	00:00
		Balasore Traction	132kV	8.920	6.297	14.120	10th Nov 2020	15:45
		Balasore	2x63+1x40=166	55.280	45.471	68.241	2nd Nov 2020	19:00
5	Bangiriposi	Bangiriposi	2x12.5=25	9.668	7.273	11.044	1st Nov 2020	18:15
6	Barbil	Barbil	2x12.5=25	10.263	8.494	11.497	10th Nov 2020	08:45
7	Baripada PG	Baripada PG Stn.		0.054	0.060	0.054	1st Nov 2020	00:00
8	Baripada	Baripada	3x40=120	25.340	18.856	29.576	2nd Nov 2020	18:00
9	Basta	Basta	2x20+1x12.5=52.5	15.878	10.866	21.166	1st Nov 2020	18:00
10	BC Mohanty S/w	Bamnipal(New) Fdr	132kV	20.200	18.120	22.440	10th Nov 2020	21:00
		BC Mohantv fdr	132 kV	3.564	3.963	4.652	29th Nov 2020	02:30
		TOMKA Traction	132kV	2.360	3.180	14.440	4th Nov 2020	06:15
11	Betanati	Betanati	1x20=20	7.812	5.717	9.344	25th Nov 2020	07:30
12	Bhadrak	Dhamra Port (Trac.)	132 kV	3.325	3.242	6.681	18th Nov 2020	16:45
		Dhamra Port Fder	132 kV	12.256	6.973	12.881	11th Nov 2020	21:15
		FACOR Feeder	132kV	1.080	0.000	8.680	10th Nov 2020	22:15
		FACOR Power	132kV	0.040	0.000	3.640	5th Nov 2020	08:15
		Bhadrak Traction	132 kV	11.080	6.614	16.480	20th Nov 2020	09:00
		Bhadrak	2x63+1x40=166	48.400	37.337	72.280	6th Nov 2020	17:45
13	Bhograi	Bhograi	2x40=80	7.640	5.348	10.600	1st Nov 2020	19:00
14	Bolani	Bolani(132/11)	2x10=20	3.020	2.500	4.660	27th Nov 2020	07:45
15	BRPL S/w	BRPL Feeder	132kV	14.519	13.401	23.631	1st Nov 2020	12:45
		Mesco Feeder	132kV	0.000	0.000	0.006	1st Nov 2020	00:00
16	Chandabali GIS	Chandabali GIS	1x40+1X20=60	5.772	4.446	9.156	2nd Nov 2020	21:30
17	Chandikhol	Chandikhol	3x20=60	27.535	20.093	31.793	20th Nov 2020	18:30
18	Dhenkikote	Dhenkikote	1x20=20	4.216	2.871	5.656	13th Nov 2020	18:45
19	Duburi	Jakhapura Traction	132 kV	11.600	9.717	17.600	4th Nov 2020	02:00
		JFAL Feeder	132 kV	0.000	0.000	0.000	1st Nov 2020	00:00
		Mishrilal Feeder	132 kV	6.656	6.517	7.175	24th Nov 2020	22:45
		NINL Feeder	220 kV	1.088	1.111	1.575	2nd Nov 2020	22:45
		Duburi(220/33)	2x40=80	18.816	13.889	21.638	11th Nov 2020	18:30
20	Duburi-New	Emami Feeder	220 kV	11.120	4.112	11.640	25th Nov 2020	02:30
		Jindal Stainless-1&2	220 kV	107.680	18.432	129.240	9th Nov 2020	01:15
		Maithan Feeder	220 kV	0.000	0.000	0.000	1st Nov 2020	00:00
		Rohit Ferrotech	220 kV	29.000	23.509	31.040	29th Nov 2020	12:00
		TATA Steel Fdr-1&2	220 kV	7.800	6.594	165.240	30th Nov 2020	07:00
		VISA Steel	220 kV	0.000	1.461	13.240	4th Nov 2020	16:00
		Jaganath Steel Fdr	132kV	0.025	0.872	9.175	21th Nov 2020	20:15
		RAMCO Feeder 132kV	132 kV	4.296	2.390	5.404	10th Nov 2020	17:15
21	Jaipur Road	Jaipur Road	3x40=120	38.080	29.021	48.680	20th Nov 2020	18:00
		Yazdani CGP Feeder	33 kV	0.378	0.305	4.611	4th Nov 2020	23:00
22	Jaipur Town	Jaipur Town	2x40+1x20=100	31.225	26.133	49.452	20th Nov 2020	18:00
23	Jaleswar	Jaleswar Trac.	132 kV	9.680	5.925	13.400	24th Nov 2020	15:00
		Jaleswar	2x31.5+1x12.5=75.5	17.896	10.976	21.256	2nd Nov 2020	18:00
24	Joda	Bansapani Trac.	132 kV	7.363	5.995	15.931	17th Nov 2020	14:00
		FAP Feeder	132kV	15.347	14.982	15.900	3rd Nov 2020	21:45
		JSPL Trf-	2x50+1x20=120	49.303	46.045	60.420	23th Nov 2020	00:00
		TATA STEEL	220kV	7.800	6.594	8.960	23th Nov 2020	20:45
		TATA Steel Long	220 kV	0.000	0.000	0.040	6th Nov 2020	11:00
		Joda	1x40+3x20=100	18.978	13.697	20.166	12th Nov 2020	18:15
		Sarada Ind (220/33)	1x15=15	6.713	5.296	7.488	26th Nov 2020	04:30
25	JSW Cement S/W	JSW Cement Fdr	132kV	6.200	2.856	7.760	6th Nov 2020	07:30
26	Karanjia	Karanjia	1x20+2x12.5=45	17.663	11.330	19.159	13th Nov 2020	18:30
27	Keonihar GIS	Keonihar GIS	2x20=40	9.760	7.110	18.276	17th Nov 2020	18:00
28	Keonihar PG	PGCIL Stn. Tertiary		0.154	0.171	0.154	1st Nov 2020	00:00
29	Nalda	Nalda Traction	132 kV	6.680	4.195	15.160	8th Nov 2020	06:30
30	Polasponga	ESIL Feeder	132 kV	13.894	9.254	21.094	6th Nov 2020	23:15
		MSP Feeder	132 kV	12.528	12.333	14.408	30th Nov 2020	08:45
		OSISL CGP Feeder	33 kV	0.000	0.000	0.000	1st Nov 2020	00:00
		Patnaik Steel CGP	33 kV	0.000	0.000	0.000	1st Nov 2020	00:00
		Palasponga Trac.	132 kV	10.106	7.154	19.000	24th Nov 2020	14:00
31	Rairangpur	Polasponga	1x40+2x20=80	23.080	18.131	27.664	3rd Nov 2020	17:45
		Rairangpur	2x20+1x12.5=52.5	17.913	11.607	21.066	20th Nov 2020	17:15
32	Somnathpur	IMAMI Feeder	132 kV	0.016	0.140	3.244	5th Nov 2020	20:00
		Stork Feeder	132 kV	9.138	8.202	10.666	17th Nov 2020	23:45
		Somnathpur	2x12.5=25	4.052	3.441	5.068	21th Nov 2020	11:30
33	Soro	Soro	1x40+2x20=80	32.026	23.326	43.886	2nd Nov 2020	20:15
34	Udala	Udala	1x40=40	11.840	8.328	12.960	1st Nov 2020	17:45
	Chandikhol	Badachana Fder	33kV	-11.087	-8.050	-12.521	20th Nov 2020	18:30
	Joda	Joda-Tensa Fdr	33 kV	-8.432	-5.694	-9.072	27th Nov 2020	19:15
		NESCO TOTAL ENERGY (MU)		890.6470	455.0680	1359.7369		

ENERGY DRAWAL OF SOUTHCO CONTROL AREA GRID SUBSTATIONS FOR THE MONTH OF NOVEMBER'2020								
Sl.No	Name of Sub Station	Name of Feeder	Installed Capacity MVA	SMD MW	Average Drawal MW	MAX DEMAND		Time
						MW	Date	
1	Akhusingi	Akhusingi	2x12.5=25	12.361	7.182	13.148	13th Nov 2020	06:45
2	Aska	Aska	4x40=160	50.760	32.234	59.080	14th Nov 2020	07:45
		Aska New(220V/33)	1x40=40	10.040	5.991	11.320	28th Nov 2020	18:15
3	Balimela	Balimela (220/33)	1x40+1x20=60	12.896	9.298	13.416	2nd Nov 2020	18:15
4	Berhampur	Berhampur	2x40+1x20=100	35.844	32.253	55.297	17th Nov 2020	18:15
5	Bhanjanagar	Bhanjanagar	2x40+1x16=96	26.889	17.313	28.089	4th Nov 2020	18:00
6	Boudh	Boudh	2x20=40	6.700	3.299	9.548	20th Nov 2020	17:30
7	Chatrapur	IRE Feeder-1&2	132kV	3.838	6.040	9.391	15th Nov 2020	23:00
		Rambha Traction	132 kV	3.520	3.356	9.280	13th Nov 2020	07:45
		Chatrapur	3x20=60	17.642	12.635	19.963	3rd Nov 2020	17:45
8	Chikiti	Chikiti	1x40=40	9.360	6.784	10.160	3rd Nov 2020	21:15
9	Dabugaon	Dabugaon	2x12.5=25	9.800	7.405	12.996	3rd Nov 2020	18:30
10	Digapahandi	Digapahandi	2x20+1x12.5=52.5	22.316	14.131	26.459	14th Nov 2020	07:30
11	Ganjam	GRASIM Ind. Ltd.	132kV	18.113	16.766	18.444	24th Nov 2020	14:15
		Ganjam	2x12.5=25	6.876	4.664	16.336	21th Nov 2020	18:15
12	Jaypur PG	Jaypur PG Ter.	28KV	0.005	0.006	0.005	1st Nov 2020	00:00
13	Jayanagar	Jaypur Trac.	132 kV	19.280	10.487	29.240	23th Nov 2020	00:15
		Jayanagar	2x20+1x12.5=52.5	26.416	17.960	29.260	18th Nov 2020	18:15
14	Laxmipur	Laxmipur	1x20=20	8.284	5.717	10.716	17th Nov 2020	07:15
		Utkal Alumina Fdr-I&II	220kV	10.920	0.727	16.600	3rd Nov 2020	03:45
15	Malkangiri	Malkangiri (220/33)	2x40=80	13.160	7.767	14.360	7th Nov 2020	18:00
16	Meenakshi s/w	Megalift Feeder	33kV	0.000	0.002	0.184	2nd Nov 2020	16:45
17	Mohana	Mohana	2x12.5=25	3.640	4.201	7.216	7th Nov 2020	18:00
18	Muniguda	Bissam-Cuttack Tr	132 kV	4.640	3.370	14.680	1st Nov 2020	18:00
19	Narendrapur	TATA Feeder-I&II	220 KV	#NA	0.000			
		Narendrapur Trac	132 kV	5.000	3.828	13.480	5th Nov 2020	16:45
		Narendrapur	3x40+1x20=140	26.976	19.534	28.788	2nd Nov 2020	22:00
20	Paralakhemendi	Paralakhemendi	3x12.5=37.5	14.192	9.958	18.412	2nd Nov 2020	18:30
21	Phulbani	Phulbani	2x40+1x12.5=92.5	26.720	18.161	28.524	28th Nov 2020	18:00
22	Podagada	Podagada	1x12.5=12.5	2.804	1.403	2.984	12th Nov 2020	18:15
23	Potangi	Potangi	1x40=40	4.016	2.967	5.088	13th Nov 2020	07:00
24	Purushottampur	Purushottampur	1x20+2x12.5=45	21.660	9.487	24.750	27th Nov 2020	07:00
25	Rayagada	Rayagada Trac.	132 kV	7.720	3.228	15.520	1st Nov 2020	09:30
		Rayagada	2x12.5=25	13.480	7.953	13.480	4th Nov 2020	18:15
26	Sunabeda	HAL Feeder	132kV	9.936	4.970	11.144	27th Nov 2020	10:15
		Sunabeda	1x20+2x12.5=45	22.984	15.897	26.760	8th Nov 2020	07:45
27	Tentulikhunti	Tentulikhunti	3x20=60	12.876	8.263	15.770	10th Nov 2020	18:30
28	Therubali	JK Feeder	132kV	0.000	0.000	0.484	30th Nov 2020	21:00
		Therubali	2x12.5=25	12.028	7.710	12.420	7th Nov 2020	18:00
29	Umerkote	Umerkote	2x20=40	17.832	13.226	20.220	30th Nov 2020	11:45
	Balugaon	Khallikote Feeder	33kV	16.836	10.853	18.972	14th Nov 2020	07:45
	Sonepur	Manamunda Feeder	33kV	11.520	6.541	11.960	4th Nov 2020	18:00
	Tentulikhunti	Mukhiguda Fdr	33KV	-2.236	-1.116	-2.304	4th Nov 2020	18:00
	Tentulikhunti	Vento Energy Solar	132 kV	0.080	0.042	0.120	8th Nov 2020	02:30
30	Boudh	Aditya Birla Solar-I	33kV	0.000	0.000	24.965	30th Nov 2020	11:15
		SOUTHCO TOTAL ENERGY (MU)		557.7230	268.1958	726.7233		

AUTO TRANSFORMER LOADING FOR THE MONTH OF NOVEMBER'2020

Name of the 220 kV Sub-Station (Feeding Sub-stations/Feeders)	Capacity MVA	Drawal details						REMARKS
		Maximum			Minimum			
		MW	Day	Time	MW	Day	Time	
ATRI { Banki, Khurda, Chandpur & Argul }	2x160	65.64	23rd Nov 2020	17:30	10.80	20th Nov 2020	14:30	
		65.76	23rd Nov 2020	17:30	14.72	26th Nov 2020	02:45	
ASKA NEW	2x160	92.96	18th Nov 2020	17:00	12.76	10th Nov 2020	02:00	
		63.96	26th Nov 2020	10:15	6.00	11th Nov 2020	14:45	
BALASORE 220/132 KV { Balasore, Birla Tyre(I), Ispat Alloy(I), Jaleswar, Jaleswar(T) }	3x160	57.12	2nd Nov 2020	19:00	25.24	27th Nov 2020	02:45	
		56.76	2nd Nov 2020	19:00	25.16	28th Nov 2020	16:15	
		56.48	2nd Nov 2020	18:00	24.92	27th Nov 2020	01:45	
BARGARH 220/132 KV	1x100	22.00	2nd Nov 2020	18:15	0.12	6th Nov 2020	09:30	
	1x160	14.20	29th Nov 2020	15:15	0.04	28th Nov 2020	13:30	
BHADRAK 220/132 KV {Bargarh, Ghensh }	1x100	29.60	2nd Nov 2020	19:00	5.08	27th Nov 2020	13:00	
	1x160	53.08	2nd Nov 2020	19:00	16.48	6th Nov 2020	10:15	
	1x160	53.04	2nd Nov 2020	18:45	16.52	29th Nov 2020	03:15	
BHANJANAGAR 220/132 KV { Bhanjanagar, Aska, Phulbani, Ganjam, Chatrapur }	1x160	61.24	11th Nov 2020	07:30	4.32	11th Nov 2020	06:30	
	1x160	53.92	11th Nov 2020	07:30	4.20	11th Nov 2020	06:30	
BIDANASI 220/132 KV {Bidanasi, Khurda }	1x100	27.12	19th Nov 2020	17:45	0.04	28th Nov 2020	08:45	
	1x100	18.20	19th Nov 2020	17:45	0.04	26th Nov 2020	05:15	
	1x160	38.56	19th Nov 2020	17:45	0.04	29th Nov 2020	00:15	
BOLANGIR (SADAIPALLI) 220/132 KV { Bolangir, Patnagarh, Sonepur, Saintala, Khariar, Barpalli }	2x160	92.52	20th Nov 2020	17:45	0.84	23rd Nov 2020	13:30	
		92.52	20th Nov 2020	17:45	0.84	23rd Nov 2020	13:30	
		120.68	29th Nov 2020	18:15	0.80	29th Nov 2020	11:45	
BUDHIPADAR 220/132 KV { Jharsuguda, Jharsuguda Tr, Cemco(I), MCL, Sundergarh, Brajarajnagar, Rajgangpur }	2x160	110.40	24th Nov 2020	11:45	46.40	11th Nov 2020	14:15	
		109.96	24th Nov 2020	11:45	0.04	24th Nov 2020	06:45	
CHANDAKA 220/132 KV { Chandaka, Bhubaneswar, Nimapada, Ransinghpur, Puri,Kesura, Kaipadar Tr. }	1x100	48.92	2nd Nov 2020	17:30	12.80	27th Nov 2020	03:00	
	1x160	76.64	7th Nov 2020	12:00	22.28	27th Nov 2020	03:00	
	1x100	52.12	2nd Nov 2020	17:30	13.80	27th Nov 2020	03:00	
	1x160	80.56	2nd Nov 2020	17:30	21.24	27th Nov 2020	03:00	
CUTTACK	1x160	46.48	2nd Nov 2020	18:45	17.20	25th Nov 2020	02:15	
	1x100	28.48	2nd Nov 2020	18:30	10.12	12th Nov 2020	13:45	
DUBURI 220/132 KV {Duburi, Bamnipal(I), BRPL, MESCO, Jajpur Road, Kalarangi, Jajpur Town }	1x160	45.04	16th Nov 2020	08:15	0.20	20th Nov 2020	11:00	
	1x100	UNDER SHUT DOWN						
	1x100	26.96	16th Nov 2020	08:15	0.32	24th Nov 2020	15:00	
GODA	1x160							
	1x160							
JAYAPATNA 220/132 KV.								
JAYANAGAR 220/132 KV. [Damanjodi(NALCO), Traction S/Ss, Tentulikhunti, Sunabeda, Jayanagar]	1x160	53.00	3rd Nov 2020	18:30	0.16	8th Nov 2020	12:00	
	1x160	53.16	3rd Nov 2020	18:15	0.44	8th Nov 2020	12:00	
JODA 220/132 KV { Joda,Tensa, FAP(I), Bolani(I), Nalda Tr.,Polasponga, *Rairangpur, Bhalulata traction }	3x100	49.48	9th Nov 2020	17:45	20.80	11th Nov 2020	14:00	*** -
	3x160	62.28	9th Nov 2020	17:45	26.72	11th Nov 2020	14:00	Alternate
	3x100	51.28	9th Nov 2020	17:45	21.56	11th Nov 2020	14:00	P/S from
KATAPALI 220/132 KV {Chipilima,Bargarh, ACC,Sonepur & Katapali area load. }	1x100	22.60	9th Nov 2020	03:00	0.04	4th Nov 2020	10:00	Supported
	1x100	22.64	9th Nov 2020	03:15	0.04	6th Nov 2020	07:15	by Burla &
	1x160	33.76	9th Nov 2020	03:00	0.04	3rd Nov 2020	16:30	Chipilima
KESINGA	2x160							
LAPANGA {Kuchinda, Aryan Viraj, Shyam Metallics }	2x160	61.52	24th Nov 2020	10:15	11.80	5th Nov 2020	14:15	
		61.32	24th Nov 2020	10:15	11.68	5th Nov 2020	14:15	
MERAMUNDALI 220/132 kv {Meramundali Traction, Dhenkanal, Navchrome(I), Hind Metal, Aarti,BRG }	3x100	36.64	16th Nov 2020	18:30	0.24	24th Nov 2020	15:30	
		36.00	16th Nov 2020	18:30	0.12	24th Nov 2020	15:45	
		34.92	16th Nov 2020	18:30	0.32	24th Nov 2020	16:00	
Mendhasal { Part area load of Khurda S/S }	2x100	34.11	3rd Nov 2020	11:45	6.81	24th Nov 2020	03:00	
		29.24	2nd Nov 2020	17:45	6.47	24th Nov 2020	03:00	
NARENDRAPUR 220/132KV { Narendrapur, NarendrapurTr, Berhampur, Chhatrapur, Ganjam, Balugaon, Digapahandi, Mohana. }	2x160	116.04	17th Nov 2020	18:30	37.56	26th Nov 2020	13:00	
		95.96	7th Nov 2020	23:30	46.68	9th Nov 2020	03:00	
	1x100	64.68	17th Nov 2020	18:30	18.04	27th Nov 2020	12:15	
PARDEEP 220/132 KV { Paradeep, Kendrapada, Pattamundai, Chandikhol, Cuttack, Jagatsinghpur, Phulnakhara }	1x100	47.00	20th Nov 2020	18:15	14.48	30th Nov 2020	14:45	
	1x160	77.68	20th Nov 2020	18:15	24.28	30th Nov 2020	14:45	
	1x160	79.04	20th Nov 2020	18:15	24.68	30th Nov 2020	14:45	
TARKERA 220/132 KV [Rourkela, Rourkela Tr.,RSP(I), Chhend , Adhunik Metal, Rajgangpur, OCL(I), Rajgangpur Tr.]	4x100	47.96	24th Nov 2020	10:15	17.48	21st Nov 2020	02:45	
		60.48	23rd Nov 2020	08:00	19.32	21st Nov 2020	02:45	
		56.40	23rd Nov 2020	08:00	17.24	21st Nov 2020	02:45	
		57.16	23rd Nov 2020	08:00	17.88	21st Nov 2020	02:45	
THERUVALLI 220/132 KV. {Theruvalli, IMFAL(I), JK(I), Junagarh, Kesinga,Powmex(I), Rayagada, }	2x100	43.88	29th Nov 2020	15:45	6.00	8th Nov 2020	12:15	Rayagada &
		52.16	11th Nov 2020	12:15	5.84	20th Nov 2020	13:15	Paralakhemun
	1x160	71.68	29th Nov 2020	15:45	7.80	8th Nov 2020	12:30	di can be fed
TTPS 220/132 KV { Chainpal, FCI (I), Angul, MCL Nandira(I), Rairakhole, Boinda, Kamakhyanagar, Kalarangi, Nuapatna, Choudwar }	1x160							
	1x160							
SAMANGARA { Puri, Nimapara & Konark }	2x160							

STATEMENT OF UFR OPERATION IN GRIDCO SYSTEM DURING THE MONTH OF NOVEMBER-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 NOVEMBER - 2020		
Sl. No	Date	Details of event
1	10.11.2020	At 18:30 Hrs, 220 kV Bonai - Bimalagarh (RTSS) feeder charged.
2	10.11.2020	At 14:18 Hrs & 14:31 Hrs, 132 kV Digapahandi -Aska(New) DC ckt bays charged at Digapahandi & Aska (New) end respectively.
3	11.11.2020	At 15:10 Hrs, 132 kV side of 160 MVA Auto Transformer-I charged at Kesinga (New) Grid S/S. Subsequently 220 kV Auto Transformer-I , Auto Transformer -II, Feeder -I & Feeder -II bays charged at Kesinga (New) S/S.
4	13.11.2020	At 18:33 Hrs, 132 kV Jayapatna - Dabugaon feeder charged.
5	17.11.2020	At 17:43 Hrs, 220/33 kV Grid S/S, Gobindapali charged by T arrangement in 220 kV Balimela - Jayanagar ckt -I. At 17:50 Hrs, 20 MVA, 220/33 kV Power Transformer -II charged.
6	18.11.2020	At 15:19 Hrs & 18:17 Hrs, 132 kV Jayanagar -Tentulikhunti ckt -II bays charged at Jayanagar & Tentulikhunti end respectively.
7	27.11.2020	At 14:58 Hrs, 20 MVA, 132/33 kV Power Transformer -II charged at Grid S/S, Bhanjanagar. (Defunct 16 MVA Power Transformer has been replaced by new 20 MVA)