SYSTEM PERFORMANCE REPORT



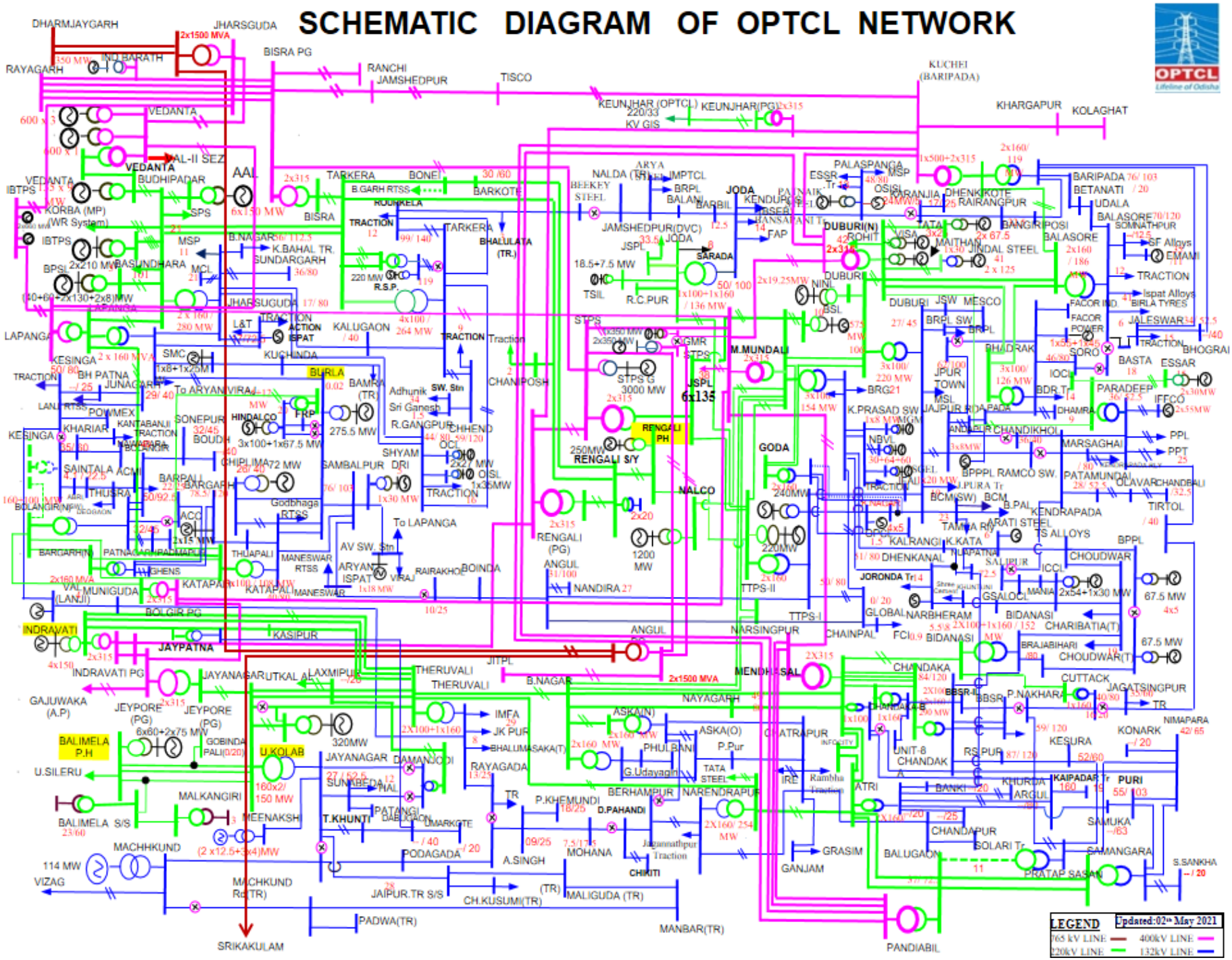
MARCH'2022

SLDC, OPTCL
BHUBANESWAR – 17

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SCHEMATIC DIAGRAM OF OPTCL NETWORK



SUMMARY REPORT FOR MARCH- 2022

A. Voltage Profile

			Date & Time	Location
220 KV				
	Maxm. -	239.54 kV	05.03.2022 14:00Hrs	Balimela
		>240 KV		Nil.
	Minm. -	201.26 kV	03.03.2022 11:30 Hrs	Bolangir New
		< 200 KV		Nil.
132 KV	Maxm. -	146.92 kV	29.03.2022 23:45 Hrs	Khariar.
		>145 KV		Khariar
	Minm. -	101.52 kV	21.03.2022 17:00 Hrs	Khariar
		< 120 KV		Bhawanipatna, Bargarh, Bolangir New, Ktapali, Kantabanji, Kesinga, Khariar, Nuapada, Puri, Kendrapada

B. Frequency Profile

		Date & Time
Maxm. -	50.30 Hz	03.03.22 06:01 Hrs.
Minm. -	49.53 Hz	22.03.22 22:22 Hrs.
Average -	49.96 Hz	
% of time the freq. is within 49.9 Hz to 50.05 Hz (IEGC band)	-	72.63%
% of time the freq. is > 50.05 HZ	-	9.60%
% of time the freq. is ≤49.9 HZ	-	17.77%
% of time the freq.is < 48.5 HZ	-	0.00%

C. Demand Profile

Peak System Demand	5361.57 MW	At 20:00 Hrs on 28.03.22
Minimum System Demand	3800.19 MW	At 15:00 Hrs on 04.03.22
Average System Demand	4538.81 MW	

D. Major events

Sl. No	Date	Details of event
1	05-03-2022	At 17:55 hr, 220kV Bolangir New-Kesinga Line charged.
2	09-03-2022	At 19:36 hr, 220kV Bolangir PG -Kesinga Line charged.
3	17-03-2022	At 16:25 hr,132/33kV GIS Hirakud having connectivity from132kV Burla PH-Lapanga Ckt-I (from Lapanga end only) along with 132/33kV 40MVA Transformer.
4	18-03-2022	At 13:52 hr, 132/33kV 40MVA Power Transformer No-I at Pratapsasan Grid S/s charged(132kV side only).
5	23-03-2022	At 20:15 hr, 220/132kV 160MVA Auto Transformer No-II at Pratapsasan Grid S/s charged.
6	23-03-2022 28-03-2022	At 12:36 hr, 220kV side and at 13:28 hr,400kV side of 400/220/33kV 500MVA ICT-I at Meramundali-B GIS S/S charged.
7	25-03-2022	At 16:31hr,132/11kV BRG Iron & Steel plant re-energized through 132kV Meramundali-BRG line.
8	30-03-2022	At 19:50 hr,132kV LILO lines from loc. no-71 of existing 132kV ICCL-Salipur line for proposed
9	30-03-2022 04-02-2022	At 20:48 hr, 220kV line charged by LILO arrangement from loc. no-191 of existing 220kV Therubali-Narendrapur Ckt-I to 220/132/33kV Grid S/s, Gunupur along with 05 nos of 220kV Bays, 02 nos of 220/132kV 160MVA Auto Transformers at 220/132/33kV Grid S/s, Gunupur.
10	31-03-2022	At 15:33 hr, 132kV 2-Phase Paradeep-Sijju Traction Line charged.
11	31-03-2022	At 13:41 hr, 220/132kV 160MVA Auto Transformer No-I at 220/132/33kV Grid S/s, Joda 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 2x43.5 =87 1x37.5 = 37.5	287.5	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 50%)	3x17 = 51.00 3x23= 69	60	60
	TOTAL HYDRO (A)	**2099.5**		
2	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	833.085 (Share 75%, Auxilliary 6.25 %,	835.312 (Share 75%, Auxilliary 6.25 %, Avalability 90%)
	TOTAL THERMAL (B)	**1740**		

CENTRAL SECTOR GENERATION

SL.NO.	NAME OF POWER STATION	INSTALLED CAPACITY	OPTCL'S SHARE OF INSTALLED CAPACITY 0N 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	- 16.62	- 83.10	7.5	85
4	KAHALGAON (BIHAR)*	4 x 210 = 840	-	-	-	-
		3 x 500 = 1500	2.05	39.30	9	62.11
5	TSTPP, KANIHA (ORISSA)	2 x 500 = 1000	31.8	318.00	7.5	85
		4 x 500 = 2000	10	200.00	7.5	
6	TEESTA HEP (SIKKIM)	3 x 170 = 510	20.59	105.00		85
7	MANGDECHU HEP, BHUTAN	4x180	10.97	78.98		
8	MTPS (Mujafarpur) (BIHAR)	2x195	8.53	33.27		
9	DARLIPALI STPS	2X800	58.82	941.18		
10	BARH STPS-I	1X660	24.84	163.91		
		TOTAL ISGS		**2047.14**		

GRAND TOTAL, (A) + (B) + (C) = 5886.64

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 nerms. ISGS share of power is as per CGS power allocation sheet of CEA as on 01.07.2013.

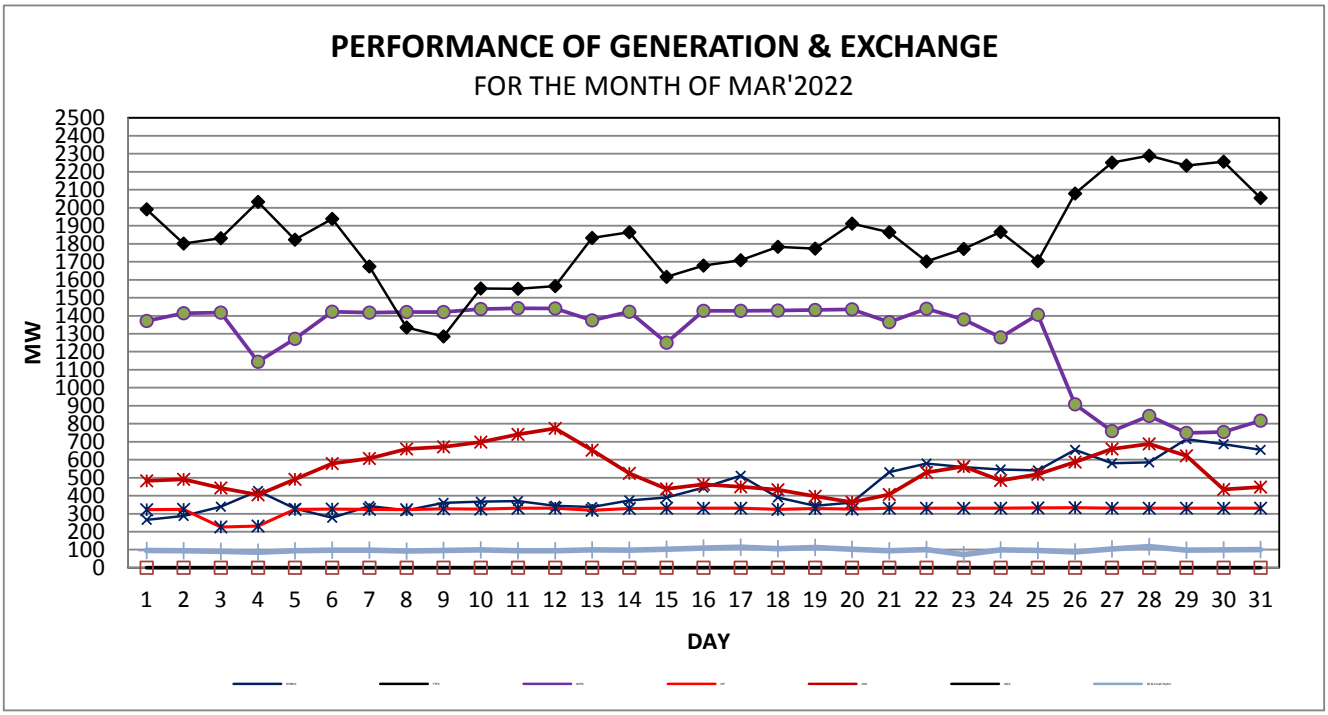
*** Odisha Share in FSTPS I & II and in KHTPS I surendered (346 MW) by Odisha and reallocated to Gujarat wef 00:00Hrs of 04.09.2021.**

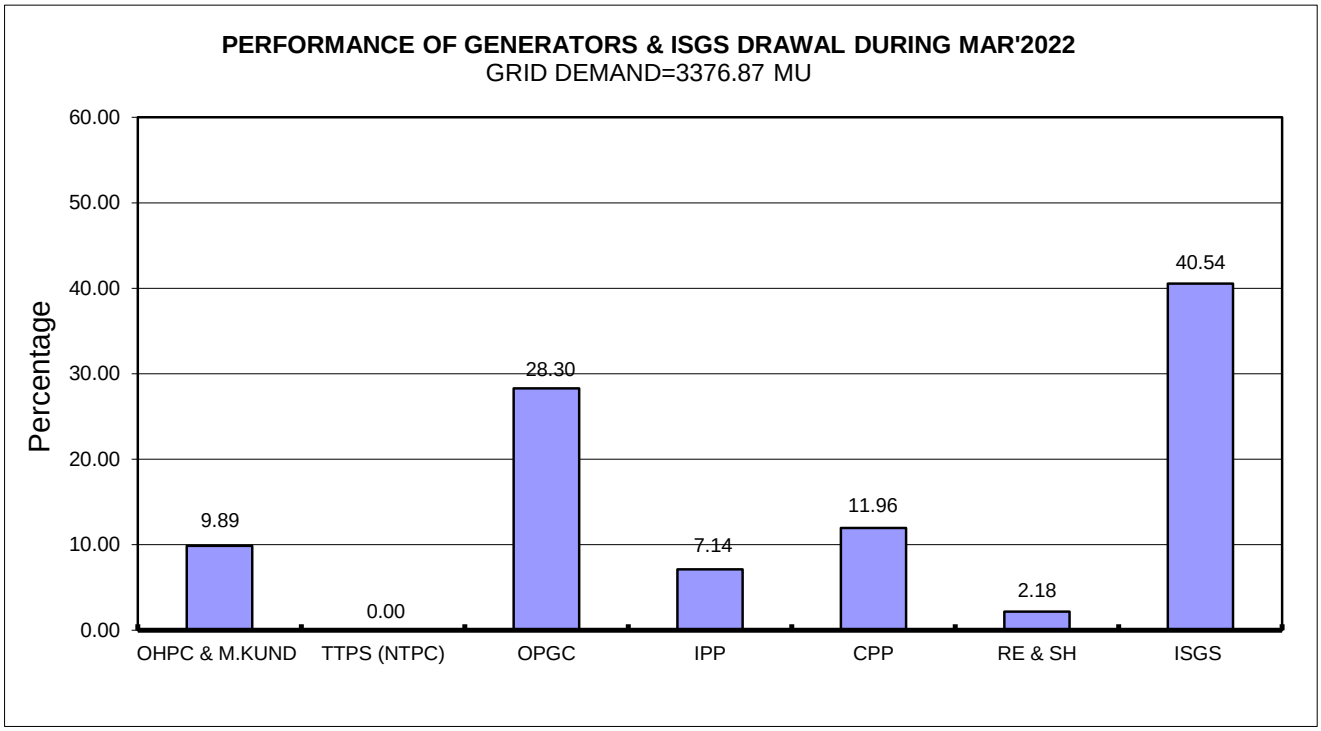
CAPACITY OF IPP, CPP, SMALLL HYDRO & RENEWABLE

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	NBVL (MERAMUNDALI)	1 X 60=60	60	THERMAL	132 kV
6	BPPPL	3X8=24	24	SMALL HYDRO	132kV
7	SAPTADHARA SHEP	3X6=18	18	SMALL HYDRO	33kV
		TOTAL	**1809**		
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
12	HPCL(HINDALCO),(HIRAKUD)	1 X 67.5 + 4 X 100	467.5	THERMAL	132 kV
13	IMFA(CHOUDWAR)	2 X 54 + 1 X 30 + 2 X 60	258	THERMAL	132 kV
14	IFFCO (PARADEEP)	2 X 55	110	THERMAL	132 kV
15	JINDAL STAINLESS LTD., DUBURI	2 X 125 + 1 X 13	263	THERMAL	220 kV
16	JINDAL STEEL & POWER LTD., ANGUL	6 X 135	810	THERMAL	220 kV
17	NINL (DUBURI)	2 X 19.25 + 1 X 24	62.5	THERMAL	220 kV
18	MAHAVIR FERRO ALLOYS PVT. LTD.	1 X 12	12	THERMAL	33 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	RML, DSP, DHENKANAL	1 X 25	25	THERMAL	33 kV
32	SEVEN STAR STEELS LTD.	1 X 8	8	THERMAL	33 kV
33	SMEL, (PANDOLI, SAMBALPUR)	3 X 30	90	THERMAL	132 kV
34	SMC POWER GENERATION LTD.	1 X 8 + 1 X 25	33	THERMAL	132 kV
35	SREE GANESH	1 X 32	32	THERMAL	132 kV
36	TATA SPONGE IRON (JODA)	1 X 18.5 + 1 X 7.5	26	THERMAL	220 kV
37	TATA POWER & STEEL, (K NAGAR)	2 X 67.5	135	THERMAL	220 kV
38	UTKAL ALUMINA, LAXMIPUR	3x30	90	THERMAL	220 kV
39	VEDANTA LTD.(SEZ),JHARSUGUDA	3 X 600	1800	THERMAL	400 kV
40	VEDANTA (JHARSUGUDA))	9 X 135	1215	THERMAL	220 kV
41	VEDANTA (LANJIGARH)	3 X 30	90	THERMAL	132 kV
42	VISA STEEL LTD., (NEW DUBURI)	3 X 25	75	THERMAL	220 kV
43	YAZDANI STEEL & POWER.	1 X 10	10	THERMAL	33 kV
		TOTAL	**10013**		

RENEWABLE PROJECTS

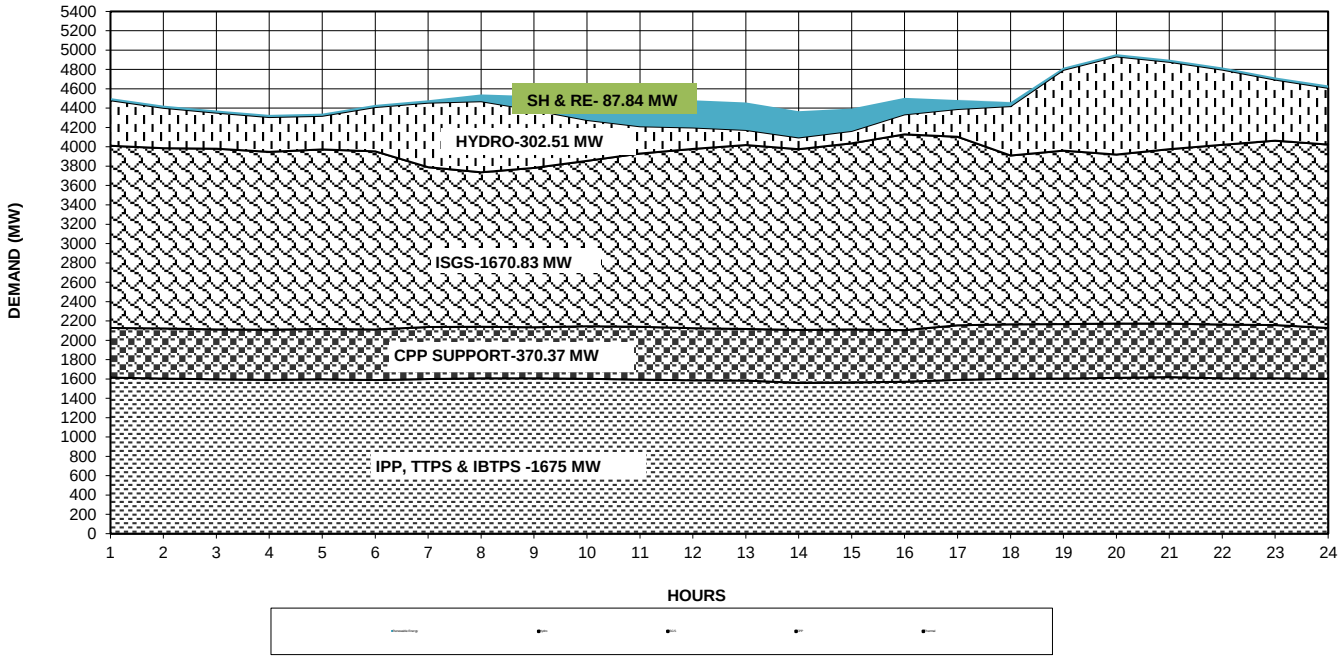
Sl.No	POWER STATION	INSTALLED CAPACITY	TOTAL	TYPE		CONNECTIVITY VOLTAGE
1	ABACUS HOLDINGS PVT. LTD, SONEPUR	1 MW	1	SOLAR		11 KV
2	AFTAAB SOLAR PVT. LTD. ,BOLANGIR (N)	5 MW	5	SOLAR		33 KV
3	ALEX GREEN ENERGY PVT LTD. PATNAGARH	5 MW	5	SOLAR		33 kV
4	JAY IRON & STEEL, BAMARA	1 MW	1	SOLAR		11 KV
5	J.K. PAPER 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 URGA 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
27	ADITYA BIRLA RENEWABLES LTD, SAINTALA	25 MW	25	SOLAR		132 kV
		TOTAL	**469.5**			
	GRAND TOTAL (SMALL HYDRO,IPP & CPP)		**18178.14**			


PERFORMANCE OF GENERATION & EXCHANGE
FOR THE MONTH OF MAR'2022
MW
DAY

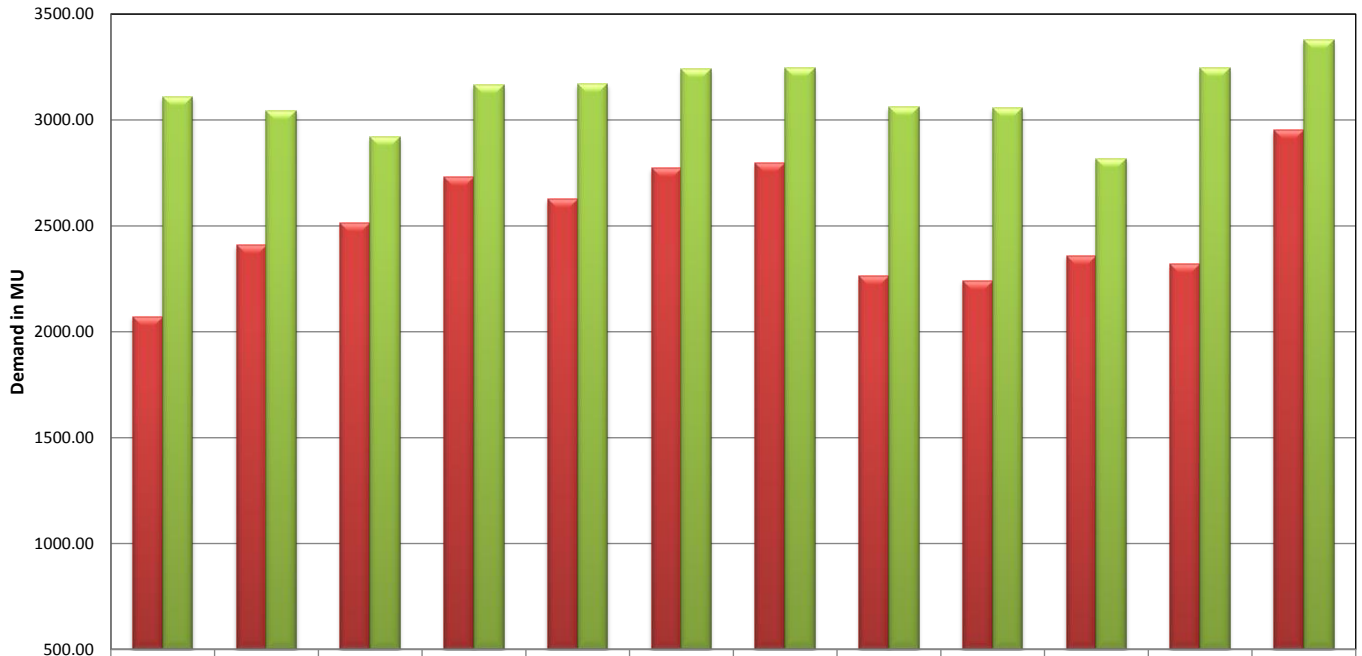

PERFORMANCE OF GENERATORS & ISGS DRAWAL DURING MAR'2022
GRID DEMAND=3376.87 MU
Percentage
9.89
0.00
28.30
7.14
11.96
2.18
40.54
OHPC & M.KUND
TTPS (NTPC)
OPGC
IPP
CPP
RE & SH
ISGS

AVERAGE GRID DEMAND [HOURLY] FOR THE MONTH OF MAR'2022

Average Demand=4538.81 MW



COMPARISION SYSTEM DEMAND WITH PREVIOUS FINANCIAL YEAR



	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR
2020-21	2071.97	2407.45	2513.06	2728.56	2626.20	2771.77	2797.83	2262.74	2241.03	2358.45	2318.24	2949.93
2021-22	3109.36	3043.21	2917.04	3165.84	3167.77	3239.050998	3242.92	3061.57	3055.28	2817.25	3247.00	3376.87

MONTHLY GENERATION & DEMAND REPORT FOR THE STATE OF ODISHA IN THE MONTH OF MARCH- 2022

(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	5.084	0.775	8.878	9.644	0.749	7.755	7.894	0.000	40.779	54.810	0.165	180.64	28	21.00
2	Chipilima	6.984	11.001	7.475	-	-	-	-	-	25.460	34.220	0.093	52.68	27	15.00
4	Balimela	0.000	17.454	25.662	7.696	0.000	19.672	12.315	11.782	94.581	127.124	0.688	353.21	31	21.00
5	Rengali	17.004	17.196	0.000	12.847	16.686	-	-	-	63.733	85.662	0.105	217.52	14	21.00
6	Upper Kolab	22.506	15.336	14.684	12.268	-	-	-	-	64.794	87.089	0.241	298.87	13	20.00
7	Upper Indravati	26.097	0.294	20.970	0.000	-	-	-	-	47.361	63.657	1.488	382.43	28	22.00
8	Total Hydro (OHPC)	-	-	-	-	-	-	-	-	**336.707**	452.563				
9	Machhakund (Orissa drawal)	-	-	-	-		-	-	-	19.069	25.630		46.64	13	16.00
10	Total Hydro	-	-	-	-	-	-	-	-	355.776	478.193		1417.09	28	21.00
11	TTPS-I	-	-	-	-	-	-		-	0.000	0.000		0.00	1	1.00
12	TTPS-II	-	-	-	-	-	-	-	-	0.000	0.000		0.00	1	1.00
13	Total TTPS	-	-	-	-	-		-	-	0.000	0.000	0.000	0.00	1	1.00
14	IBTPS-I	126.23	138.801	-	-	-	-	-	-	265.027	356.219	29.209	1463.30	22.00	7.00
15	IBTPS-II			446.478	311.335	-	-	-	-	757.813	1018.566	41.728			
16	Total IBTPS									1022.840	1374.785				
17	IPPs & CGPs Support	-	-	-	-	-	-	-	-	664.311	892.891				
18	Total Thermal & IPPs & CGP	-	-	-	-	-	-	-	-	1687.151	2267.676		2654.92	12	7.00
19	Injection by Renewable projects	71.12716441								71.127	95.601				
20	Total self generation	-	-	-	-	-	-	-	-	2114.054	2841.470	73.716	3657.64	22	20.00

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 :-

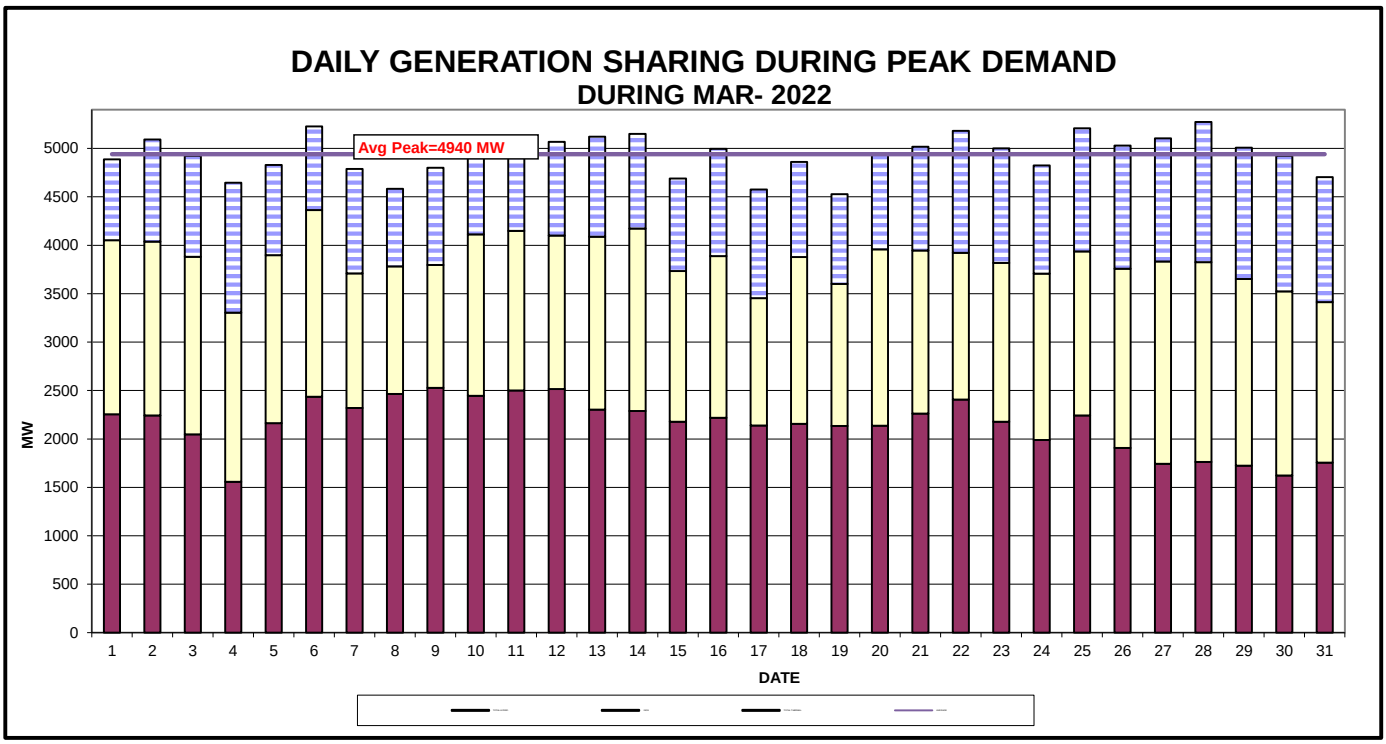
SL No.	Name of IPP / CGPs	Injection in (MU)	Average (MW)	Maximum Injection (MW)	DATE	TIME (Hr.)
1	Aarti Steel Ltd, ghantikhal	21.629	29.071	48.00	22	18.00
2	ACC	0.000	0.000			
3	Action Ispat	0.000	0.000			
4	Aryan Ispat,	7.572	10.177			
5	BPPL	65.330	87.810	125.61	9	20.00
6	BPSL, Jharsuguda	13.753	18.486	68.35	23	19.00
7	TSBSL, Meramundali	14.404	19.361	85.59	9	15.00
8	GMR Kamalanga Energy Ltd.(IPP)	239.350	321.707			
9	HINDALCO, Hirakud	0.844	1.134			
10	IFFCO, Paradeep	0.0001	0.000			
11	IMFA , Choudwar	30.380	40.834	54.02	6	5.00
12	JINDAL, New Duburi	5.658	7.605	99.13	6	22.00
13	JSPL, Angul	85.429	114.824	226.91	7	20.00
14	Mahavir Ferro Alloys	0.000	0.000			
15	Maithan Ispat Ltd.	1.133	1.523			
16	Meenakshi Power Ltd. (SH)	5.616	7.549			
17	MSP, Jharsuguda	0.000	0.000			
18	NALCO , Angul	0.00	0.000	26.83	31	6.00
19	Narbheram	0.041	0.055			
20	NBVL , Kharag Prasad	72.087	96.892	119.42	26	9.00
21	NINL , Duburi	0.000	0.001			
22	OCL	2.607	3.504			
23	OPCL, Samal (SH)	8.708	11.705			
24	BPPLT	1.349	1.814			
25	PSAL, Keonjhar	0.000	0.000			
26	RSP , Rourkela	7.804	10.489			
27	Shree Ganesh	2.344	3.150			
28	Shyam Metallics	0.522	0.702			
29	SMC Power	0.000	0.000			
30	TSLPL	14.421	19.383			
31	Vedanta Ltd. (IPP-Unit-2)	0.000	0.000			
32	Vedanta, Jharsuguda	62.946	84.605			
33	Vedanta, Lanjigarh	0.178	0.240			
34	VISA Steel, New-Duburi	0.058	0.078	5.72	13	22.00
35	Yazdani Steel & Power Ltd., J.J Rd	0.144	0.194			
36	Vedanta Ltd. (3*600)	0.000	0.000			
	Total support from CPPs	664.311	892.891			

(C)EXCHANGE OF ENERGY WITH CENTRAL SECTOR

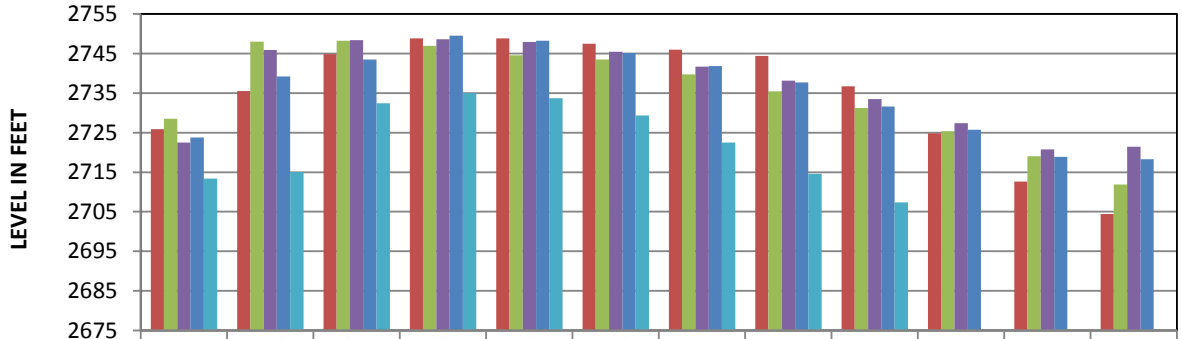
Name of the Tie line	Net	Avg	Maximum	DATE	TIME	Maximum	DATE	TIME
	MU	MW	Import (MW)			Export (MW)		
132KV JODA-KENDUPOSI	-15.99	-21.49	-21.49	17	18.00	-21.49	1	1.00
132KV KALABADIA-BANGIRIPOSI	39.01	52.43	72.61	31	22.00	28.42	1	20.00
132KV KALABADIA-BARIPADA	30.37	40.81	58.50	29	23.00	1.58	1	21.00
132 KV BHOGRAI-KUCHEI	12.71	17.09	22.52	29	21.00	0.74	5	6.00
132 KV JALESWAR-KUCHEI	17.42	23.42	30.24	29	15.00	15.60	1	23.00
220KV JODA-JAMSHEDPUR	24.00	32.26	100.19	27	15.00	-68.16	29	21.00
220KV JODA-RAMCHANDRAPUR	95.55	128.43	176.18	29	16.00	85.45	31	4.00
220KV RENGALI SY- RENGALI P.G-I	32.35	43.48	78.30	4	21.00	1.20	29	9.00
220KV RENGALI SY- RENGALI P.G-II	33.74	45.35	87.29	20	13.00	-7.97	29	9.00
220KV JAYANAGAR JEYPORE PG-I	-23.76	-31.94	11.77	31	14.00	-98.02	28	21.00
220KV JAYANAGAR JEYPORE PG-II	-26.36	-35.43	12.89	4	3.00	-109.19	28	21.00
220KV RENGALI P.H-KANIHA	-56.83	-76.38	1.88	6	24.00	-198.96	25	20.00
220KV TTPS-KANIHA	65.91	88.59	151.71	25	20.00	5.21	11	12.00
220KV MERAMUNDALI-KANIHA-I	76.06	102.24	157.06	25	20.00	0.15	29	11.00
220KV MERAMUNDALI-KANIHA-II	76.77	103.19	156.85	25	20.00	68.69	22	10.00
220KV TARAKARA-BISRA-I & II	204.10	274.33	363.76	23	17.00	4.41	16	17.00
220 KV KALABADIA-BALASORE-I&II	154.92	208.23	277.26	27	15.00	140.42	20	12.00
220KV KATAPALI- BOLANGIR(PG)	-90.63	-121.81	72.30	27	14.00	-188.54	22	18.00
220KV SADEIPALI - BOLANGIR(PG)	114.26	153.57	323.07	31	19.00	-49.73	10	14.00
220KV BUDHIPADAR-KORBA-I	-76.70	-103.09	19.96	15	17.00	-190.66	10	8.00
220KV BUDHIPADAR-KORBA-II	13.84	18.60	106.28	29	18.00	-190.66	10	8.00
220KV BUDHIPADAR-KORBA-III	14.75	19.82	135.51	30	15.00	-31.46	14	8.00
220KV ATRI- PANDIVIL	199.99	268.81	364.81	28	14.00	-29.52	14	8.00
220KVSAMANGHARA- PANDIVIL	0.00	0.00	0.01	13	10.00	162.00	6	11.00
220KV KEONJHAR GR-KEONJHAR PG-I	3.00	4.03	10.67	31	21.00	0.00	31	21.00
220KV KEONJHAR GR-KEONJHAR PG-II	2.18	2.93	5.90	5	21.00	2.00	5	21.00
400KV INDRAVATI P.H-P.G	17.06	22.93	94.84	31	18.00	-82.80	28	22.00
400KV MERAMUNDALI-KANIHA	337.54	453.68	903.61	14	19.00	4.94	22	10.00
400KV MERAMUNDALI-ANGUL-I&II	-203.96	-274.13	-101.45	4	10.00	-566.68	31	18.00
400KV MENDHASAL - PANDIABIL-I &II	-38.79	-52.14	52.48	10	8.00	-208.20	6	21.00
400KV DUBURI - PANDIABIL	-37.69	-50.66	108.65	4	21.00	-125.70	26	15.00
400KV DUBURI - BARIPADA	145.84	196.02	344.58	27	15.00	-0.29	23	9.00
400KV VEDANTA-JHARSUGUDA Ckt-I	140.88	189.36	667.07	23	14.00	-33.22	9	10.00
400KV VEDANTA-JHARSUGUDA Ckt-II	140.89	189.37	667.95	23	14.00	-33.63	9	10.00
400KV_OPGC-JHARS_PG - I	-6.47	-8.69	219.49	29	15.00	-478.88	23	14.00
400KV_OPGC-JHARS_PG - II	-5.45	-7.33	219.77	29	15.00	-477.87	23	14.00
220KV JAYANAGAR JEYPORE PG-III & IV	-50.32	-67.63	21.29	31	14.00	-202.80	28	21.00
Net ISGS	**1360.21**	1828.23	**2843.57**	**30**	**16.00**	**-478.88**	**23.00**	**14.00**

ABSTRACT OF SYSTEM DEMAND

Particulars	Energy MU	Average MW	Peak MW	DATE	TIME
Total gross generation(Including CPP+IPP)	2114.054	2841.470	3657.64	22	20.00
Power Station Auxiliary consumption	73.716	99.081			
Total net generation(Including CPP+IPP)	2040.338	2742.389	3645.94	22	20.00
Net ISGS	1360.206	1828.234	2843.57	30	16.00
System Demand	3400.544	4570.623	5361.57	28	20.00
Trading					
Average of Peak Demand (MW)	**4977.755**				
Average of Minimum Demand (MW)	**4229.696**				


DAILY GENERATION SHARING DURING PEAK DEMAND
DURING MAR- 2022
Avg Peak=4940 MW
MW
5000
4500
4000
3500
3000
2500
2000
1500
1000
500
0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
DATE

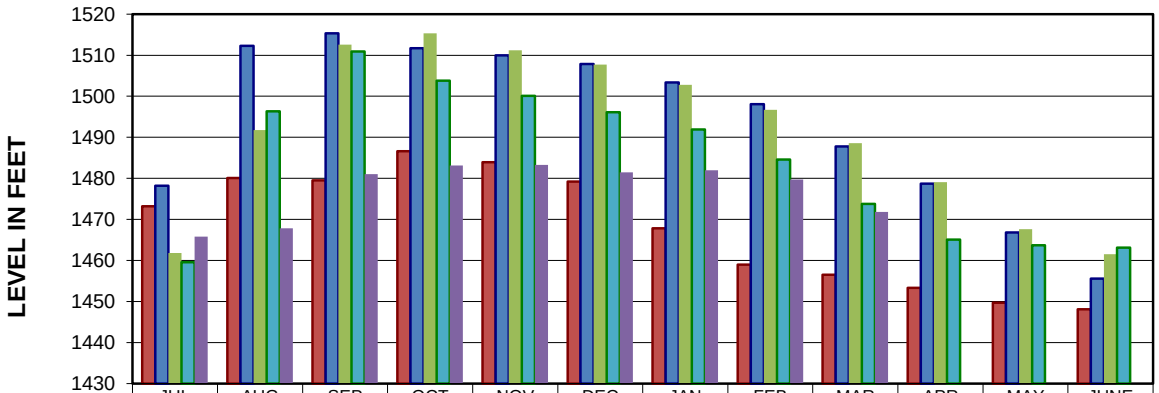
JOLAPUT RESERVOIR LEVEL



	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
2017-18	2725.9	2735.50	2744.80	2748.85	2748.85	2747.45	2745.95	2744.35	2736.70	2724.80	2712.60	2704.40
2018-19	2728.50	2748.00	2748.20	2746.90	2744.50	2743.50	2739.70	2735.40	2731.20	2725.35	2719.00	2711.90
2019-20	2722.50	2745.85	2748.40	2748.60	2747.90	2745.40	2741.65	2738.15	2733.50	2727.35	2720.75	2721.40
2020-21	2723.75	2739.15	2743.45	2749.50	2748.20	2745.10	2741.85	2737.65	2731.55	2725.70	2718.85	2718.30
2021-22	2713.40	2715.05	2732.40	2735.00	2733.70	2729.35	2722.50	2714.60	2707.35			

MONTH (End)

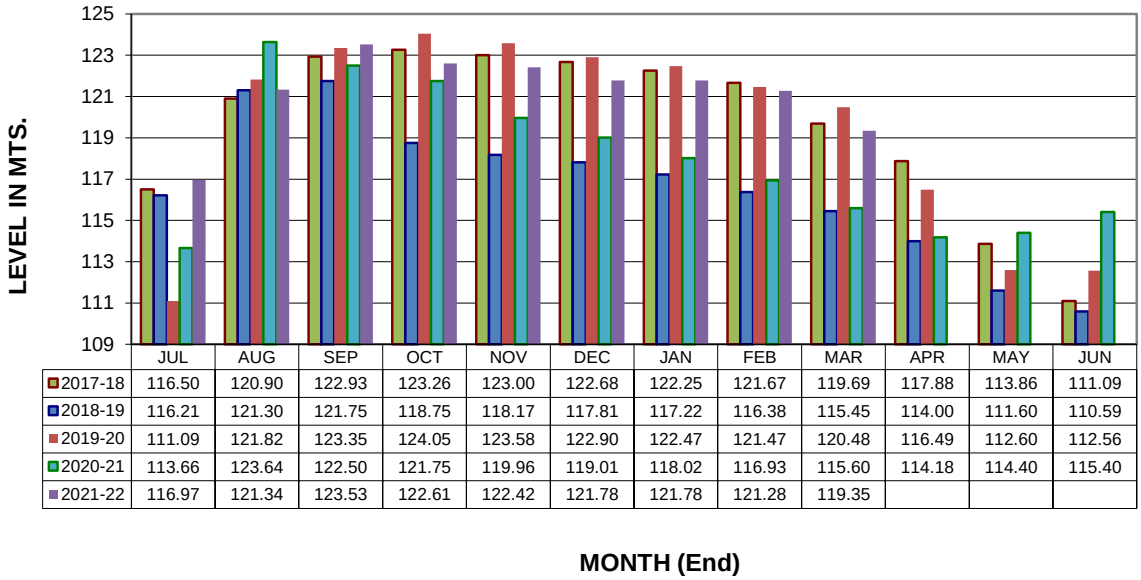
BALIMELA RESERVOIR LEVEL



	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE
2017-18	1473.20	1480.10	1479.50	1486.60	1483.90	1479.20	1467.80	1459.00	1456.50	1453.30	1449.70	1448.10
2018-19	1478.20	1512.30	1515.30	1511.70	1510.00	1507.90	1503.40	1498.10	1487.80	1478.70	1466.80	1455.60
2019-20	1461.80	1491.80	1512.60	1515.30	1511.20	1507.70	1502.80	1496.70	1488.60	1479.10	1467.60	1461.50
2020-21	1459.60	1496.30	1510.90	1503.80	1500.10	1496.10	1491.90	1484.60	1473.80	1465.10	1463.70	1463.10
2021-22	1465.80	1467.80	1481.00	1483.10	1483.30	1481.50	1482.00	1479.70	1471.80			

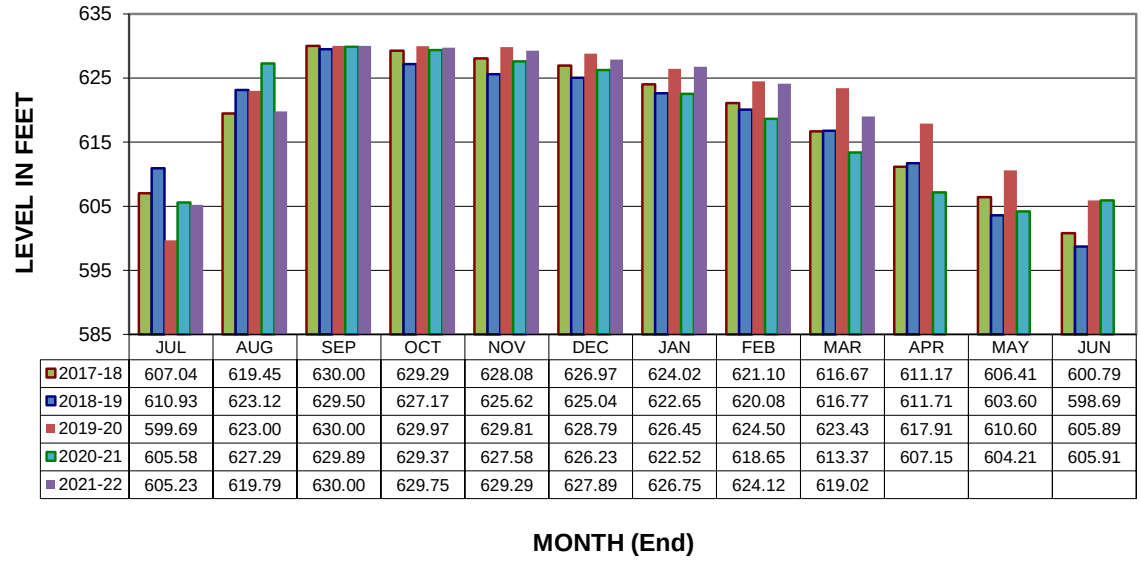
MONTH (End)

RENGALI RESERVOIR LEVEL



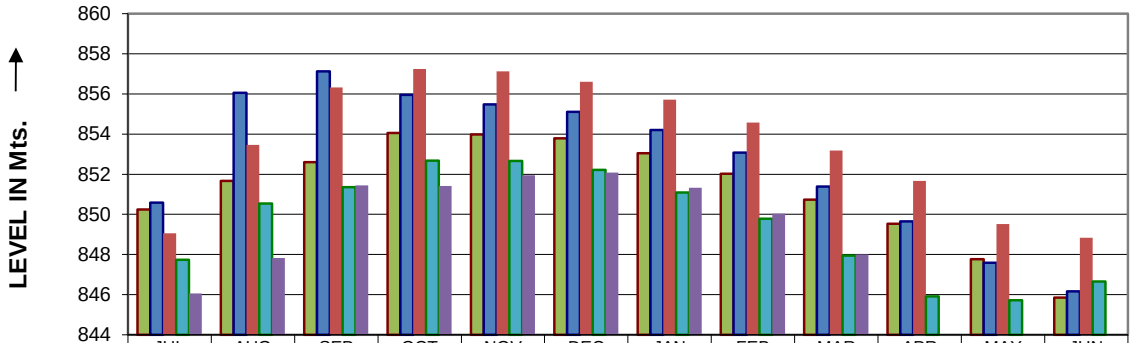
	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
2017-18	116.50	120.90	122.93	123.26	123.00	122.68	122.25	121.67	119.69	117.88	113.86	111.09
2018-19	116.21	121.30	121.75	118.75	118.17	117.81	117.22	116.38	115.45	114.00	111.60	110.59
2019-20	111.09	121.82	123.35	124.05	123.58	122.90	122.47	121.47	120.48	116.49	112.60	112.56
2020-21	113.66	123.64	122.50	121.75	119.96	119.01	118.02	116.93	115.60	114.18	114.40	115.40
2021-22	116.97	121.34	123.53	122.61	122.42	121.78	121.78	121.28	119.35			

HIRAKUD RESERVOIR LEVEL



	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
2017-18	607.04	619.45	630.00	629.29	628.08	626.97	624.02	621.10	616.67	611.17	606.41	600.79
2018-19	610.93	623.12	629.50	627.17	625.62	625.04	622.65	620.08	616.77	611.71	603.60	598.69
2019-20	599.69	623.00	630.00	629.97	629.81	628.79	626.45	624.50	623.43	617.91	610.60	605.89
2020-21	605.58	627.29	629.89	629.37	627.58	626.23	622.52	618.65	613.37	607.15	604.21	605.91
2021-22	605.23	619.79	630.00	629.75	629.29	627.89	626.75	624.12	619.02			

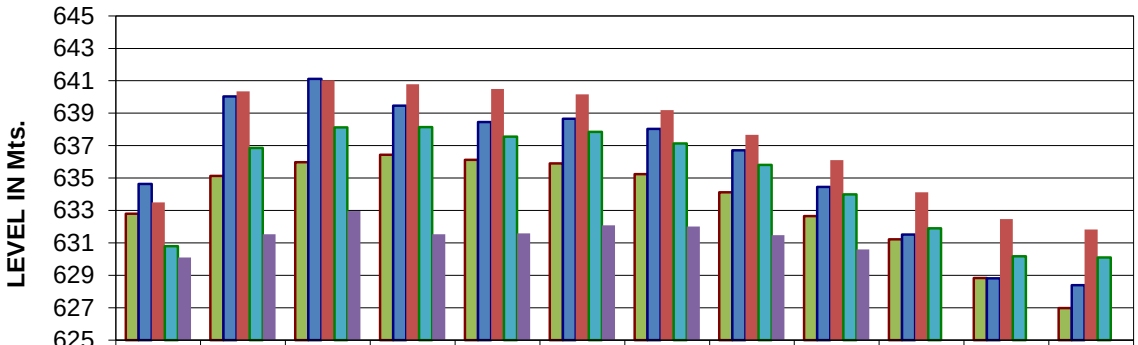
U.KOLAB RESERVOIR LEVEL



	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
2017-18	850.24	851.67	852.60	854.06	853.98	853.79	853.05	852.03	850.74	849.53	847.77	845.86
2018-19	850.58	856.05	857.12	855.96	855.48	855.11	854.20	853.08	851.38	849.65	847.59	846.16
2019-20	849.06	853.46	856.33	857.25	857.12	856.60	855.72	854.58	853.18	851.66	849.52	848.84
2020-21	847.73	850.54	851.36	852.68	852.66	852.22	851.09	849.79	847.94	845.92	845.72	846.66
2021-22	846.06	847.83	851.44	851.42	851.95	852.09	851.33	850.03	848.01			

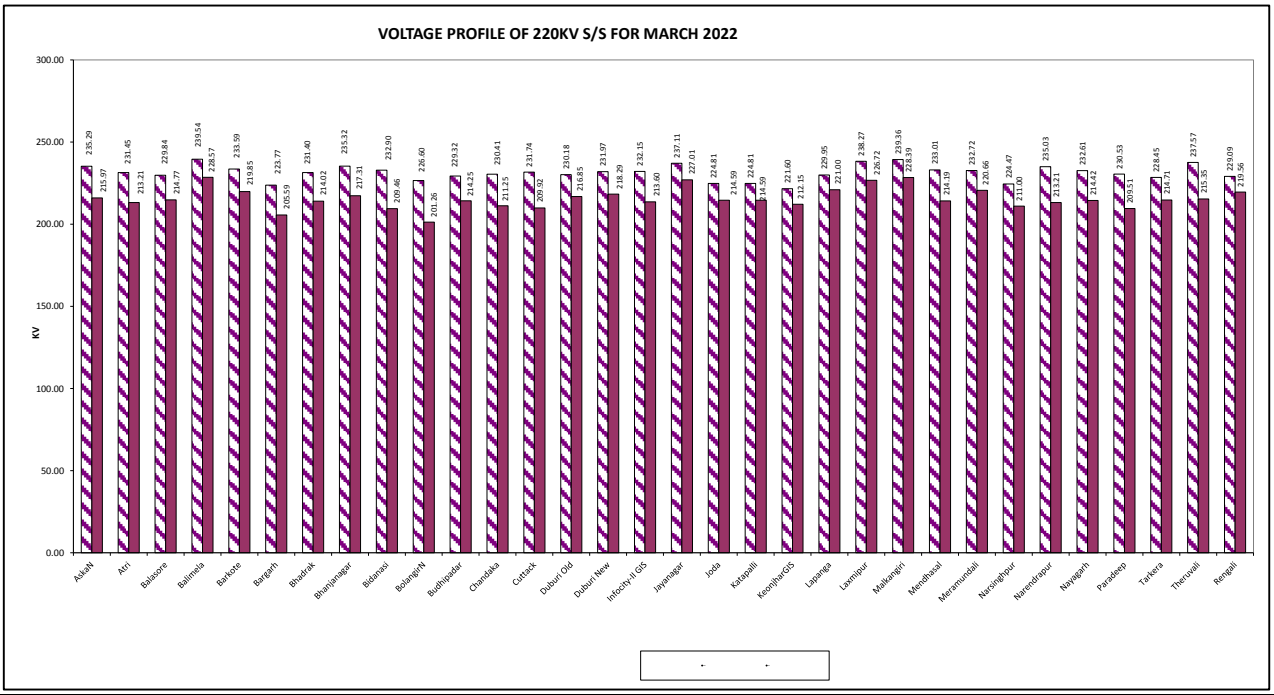
MONTH (End)

INDRAVATI RESERVOIR LEVEL

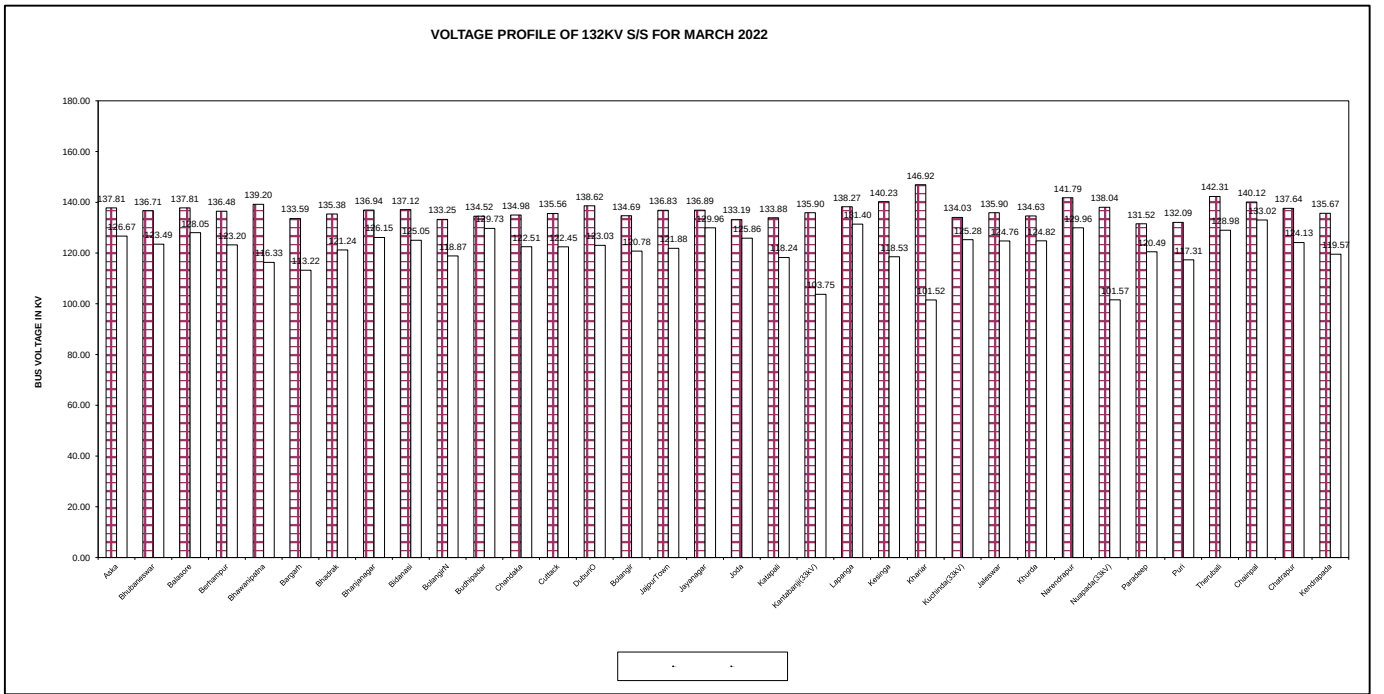


	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
2017-18	632.80	635.14	635.97	636.44	636.12	635.90	635.24	634.12	632.65	631.22	628.83	626.98
2018-19	634.64	640.04	641.12	639.46	638.45	638.65	638.03	636.72	634.45	631.52	628.82	628.40
2019-20	633.50	640.34	641.03	640.79	640.50	640.17	639.19	637.66	636.11	634.13	632.47	631.82
2020-21	630.80	636.85	638.12	638.14	637.56	637.85	637.14	635.82	634.00	631.90	630.18	630.10
2021-22	630.10	631.53	632.97	631.54	631.59	632.08	632.01	631.48	630.60			

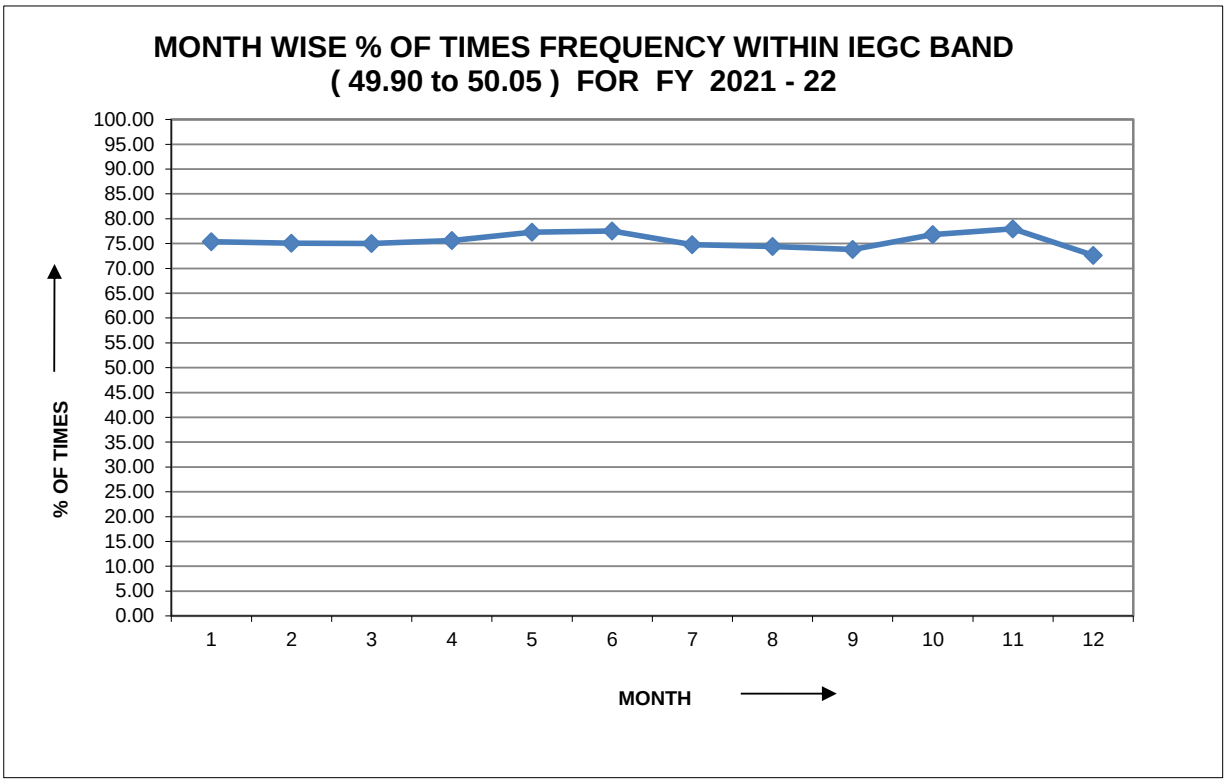
MONTH (End)



STATION	ATRI		BALASORE		BARKOTE		BARGARH(N)		BHADRAK		BHANJNAGAR		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.
MAXM.	#REF!	02:45	#REF!	04:00	44622	02:30	44628	14:00	44623	04:00	44625	17:00	44628	04:15	44635	02:45	44622	04:00	44622	21:45	44623	13:45	44649	04:00	44647	04:00	44628	04:15	44623	04:00	44622	04:00	44622	14:00	44628	14:00	44625	14:00	44628	06:00	44628	15:15	44643	03:45	44647	03:45	44628	04:00	44625	14:00
MINM.	#REF!	15:15	#REF!	15:15	44651	14:30	44651	16:30	44647	17:00	44636	16:45	44638	13:00	44651	15:15	44647	14:30	44651	11:30	44650	09:45	44623	15:15	44650	15:15	44651	14:30	44651	14:30	44647	15:15	44647	16:45	44651	16:45	44636	16:45	44651	14:45	44651	15:30	44647	14:45	44649	16:15	44647	15:15	44636	14:45



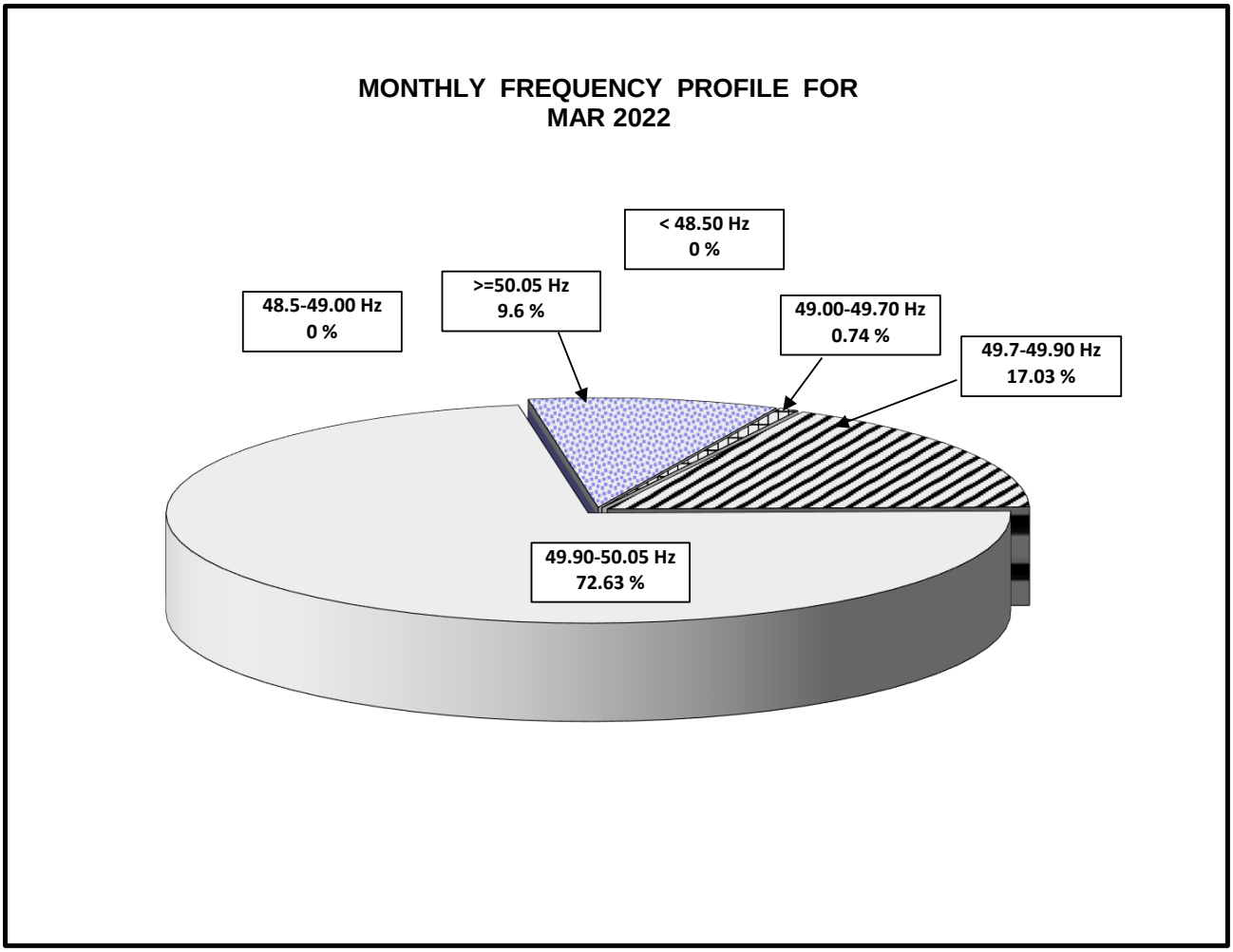
STN	CHATRAPUR		BALASORE		CHAINPAL		BARGARH (N)		BHADRAK		BHANJNAGAR		BIDANASI		BOLANGIR		BUDHIPADAR		CHANDAKA		CUTTACK		DUBURI		KHURDA		JAYANAGAR		JODA		KATAPALI		LAPANGA		MANCHESWAR		PURI		MERAMUNDALI		NARENDRAPUR		BERHAMPUR		PARADEEP		TARKERA		THERUVALI		Bhubaneswar	
	DAY	Hrs.	DAY	Hrs.	DAY	Hrs.	DAY	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.
MAX	44622	2:45	44622	02:45	44622	02:30	44649	04:30	44623	04:30	44635	17:00	44630	04:00	44628	04:00	44626	04:30	44649	21:45	44647	13:45	44622	02:45	44628	03:45	44622	04:15	44649	21:45	44622	04:15	44625	03:45	44621	02:15	44628	03:45	44649	23:45	44647	15:15	44623	04:30	#####	23:45	44628	03:45	44621	21:45	9	03:45
MIN	44638	17:15	44648	14:45	44647	14:45	44651	11:00	44641	16:45	44635	18:30	44648	15:30	44651	15:15	44651	12:45	44647	15:30	44651	16:45	44648	14:45	44648	14:45	44647	12:45	44647	15:30	44647	13:00	44636	16:00	44646	19:30	44647	15:30	44641	16:00	44651	16:45	44623	18:30	#####	17:00	44651	17:00	44647	14:30	44648	14:45



FREQUENCY WITHIN THE STANDARD BAND & ABOVE .

(FROM 2019-2020 TO 2021- 2022)

YEAR	FREQUENCY	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	JAN.	FEB.	MARCH	ANNUAL
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	50.00	50.00	50.00	50.00	50.00	49.99	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	76.33	76.25	76.28	73.48	76.97
	% of time (above 50.05 Hz)	22.06	21.33	20.64	16.78	15.08	12.34	16.25	17.27	18.32	18.43	15.92	19.19	17.80
2021- 2022	Average in Hz	49.99	50.00	50.00	50.00	49.99	50.00	49.99	50.00	49.97	50.00	50.00	49.96	49.99
	% of time (49.9 to 50.05 Hz)	75.39	75.07	75.03	75.64	77.28	77.53	74.77	74.44	73.84	76.8	77.98	72.63	75.53
	% of time (above 50.05 Hz)	16.63	18.39	18.96	18.98	15.12	18.37	14.29	17.50	18.91	16.83	15.57	9.60	16.60



FREQUENCY DISTRIBUTION FOR THE MONTH OF MAR - 2022 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	0	0	0	0	0	0	4	0	0	1	4
49.7-49.9	297	91	60	144	79	74	134	117	179	163	182	162	39	193	365
49.9-50.05	1077	1058	1105	1081	1239	1093	1114	1099	1123	1143	1124	1175	1211	1084	969
>50.05	66	291	275	215	122	273	192	224	138	134	130	103	190	162	102
>=50.1Hz	10	41	37	45	13	32	21	29	13	18	17	4	30	21	13
	1440	1440	1440	1440	1440	1440	1440	1440	1440	1440	1440	1440	1440	1440	1440

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	0
48.5-49.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
49.00-49.70	4	17	0	0	0	7	71	13	7	60	60	60	0	23	0	0	6
49.7-49.90	288	336	98	48	297	314	528	466	368	573	573	573	201	138	227	297	127
49.9-50.05	1068	998	1120	1130	1077	1030	803	865	961	767	767	767	1034	1140	1122	1077	540
>50.05	80	89	222	262	66	89	38	96	104	40	40	40	205	139	91	66	71
>=50.10Hz	10	8	37	43	10	3	6	22	19	9	9	9	22	11	14	10	10
	1440	1440	1440	1440	1440	1440	1440	1440	1440	1440	1440	1440	1440	1440	1440	1440	**744**

ENERGY DRAWAL OF TPCODL CONTROL AREA GRID SUBSTATIONS FOR THE MONTH OF MARCH' 2022								
Sl.No	Name of Sub Station	Name of Feeder	Installed Capacity	SMD	Average Drawal	MAX DEMAND		
			MVA	MW	MW	MW	Date	Time
1	Angul	MCL Feeder-1&2	132 kV	26.920	21.488	29.480	31th Mar 2022	16:15
		Angul	2x40+1x20=100	34.032	22.937	36.004	30th Mar 2022	20:30
2	Angul PG	PGCIL Stn. Tertiary		0.000	0.000	0.000	1st Mar 2022	00:00
3	Arati Steel	Arati Steel	132 kV	0.000	0.007	8.920	9th Mar 2022	10:15
4	Argul	Argul	2x40+1x20=100	18.040	13.787	27.160	11th Mar 2022	12:30
5	Badagada	Badagada	2x63=126	29.694	22.797	35.375	16th Mar 2022	23:00
6	Balugaon	SOLARI Traction	132kV	5.520	3.649	10.240	11th Mar 2022	17:45
		Balugaon	1x40+1x20+1x12.5=72.5	27.369	22.873	32.687	27th Mar 2022	19:00
7	Banki	Banki	2x20=40	14.788	10.538	16.212	31th Mar 2022	22:15
8	Bhubaneswar	Bhubaneswar	3x63=189	84.920	63.550	118.640	28th Mar 2022	15:45
9	Bidanasi	Bidanasi	2x63+1x40=166	73.591	52.684	85.833	23th Mar 2022	15:15
10	Boinda	Boinda Traction	132 kV	9.440	2.468	12.040	29th Mar 2022	16:45
		Boinda	1x20+2x12.5=45	14.056	11.235	16.290	31th Mar 2022	19:30
11	BPPL S/W	BPPL Fdr-I&II	132 kV	0.000	0.007	4.800	22th Mar 2022	11:30
12	Brajabiharipur	Brajabiharipur	2x40=80	0.604	0.514	1.209	3rd Mar 2022	06:30
12	Chainpal	FCI Feeder	132 kV	0.069	0.068	0.149	31th Mar 2022	18:15
		Talcher Rd. Trac.	132 kV	5.200	7.651	14.760	17th Mar 2022	22:15
		Chainpal	2x40+1x20=100	43.656	29.425	45.988	30th Mar 2022	22:30
13	Chandaka	Chandaka	3x63=189	90.938	71.369	110.149	29th Mar 2022	15:15
14	Chandpur	Chandpur	2x12.5=25	11.969	9.047	12.657	31th Mar 2022	22:15
15	Choudwar	Choudwar Traction	132 kV	12.157	9.540	19.343	16th Mar 2022	12:00
		Choudwar	3x40=120	49.508	44.434	61.080	26th Mar 2022	11:15
16	Cuttack	Cuttack	3x40=120	65.725	41.521	69.558	29th Mar 2022	15:45
17	Dhenkanal	Joranda Trac.	132 kV	8.992	7.664	16.773	18th Mar 2022	11:45
		Narveram CGP Fdr	33 kV	0.000	0.055	4.527	20th Mar 2022	20:30
		Dhenkanal	3x40=120	43.026	34.210	46.980	29th Mar 2022	20:00
18	Global	Heavy Water Feeder	132 kV	0.400	0.359	0.520	18th Mar 2022	11:30
		Global	1x20=20	0.920	0.460	1.679	17th Mar 2022	18:30
19	Grid Steel Alloy S/W	GSAL Feeder	132kV	0.000	0.000	0.000	1st Mar 2022	00:00
20	Kharagprasad	MGM Feeder	132kV	0.001	0.001	0.002	23th Mar 2022	06:00
		NBVL Fdr-1&2	132kV	0.000	0.000	0.015	9th Mar 2022	13:30
		SGEL Feeder	132kV	0.056	0.050	1.800	19th Mar 2022	19:45
		Meramundali Trac.	132 kV	3.463	6.401	15.338	22th Mar 2022	12:15
		Kharagprasad	132 kV	3.556	2.384	3.756	29th Mar 2022	21:45
21	Infocity-II GIS	Infocity-II GIS (220/33)	2x40=80	9.800	7.623	14.400	6th Mar 2022	11:15
22	Jagatsinghpur	Gorakhnath Trac.	132 kV	5.706	6.609	11.444	22th Mar 2022	13:15
		Jagatsinghpur	1x40+2x20=80	31.738	23.265	37.078	31th Mar 2022	22:30
23	Kalarangi	Kalarangi	1x20+2x12.5=45	4.363	3.788	5.811	31th Mar 2022	20:15
24	Kamakhyanagar	Kamakhyanagar	1x20+2x12.5=45	9.928	12.450	16.696	7th Mar 2022	18:45
25	Kendrapada	Kendrapada	2x40+1x12.5=92.5	31.560	21.290	31.800	30th Mar 2022	22:15
26	Khajuriakata	Khajuriakata	2x40=80	6.804	4.586	7.256	29th Mar 2022	21:30
27	Khuntuni GIS	ShreeCementFeeder	132kV	7.684	1.858	10.204	22th Mar 2022	15:30
		Khuntuni GIS	2x40=80	10.680	8.946	15.520	29th Mar 2022	19:45
28	Khurda	Kaipadar Trac.	132 kV	9.840	9.031	16.520	15th Mar 2022	23:30
		Khurda	4x40=160	69.080	60.296	74.800	22th Mar 2022	21:30
29	Konark	Konark	2x20=40	13.408	8.810	14.192	16th Mar 2022	19:45
30	Mancheswar-B GIS	Mancheswar-B GIS	2x40=80	0.000	0.000	0.000	1st Mar 2022	00:00
31	Mania	Mania	1x20+1x12.5=32.5	3.112	4.611	7.296	21th Mar 2022	18:45
32	Marshaghai	Marshaghai	2x20=40	16.620	10.748	17.180	30th Mar 2022	22:15
		Kendrapada Traction	132 kV	3.240	2.223	6.240	23th Mar 2022	15:00
33	Mendhasal	Mendhasal(220/33)	2x20=40	0.552	0.416	0.604	28th Mar 2022	15:00
34	Meramundali	BSL-TATA Fdr-1&2	220 kV	30.600	16.967	79.920	22th Mar 2022	13:30
		BRG Feeder	132kV	0.600	0.155	2.320	30th Mar 2022	16:30
		JSPL Feeder-1&2	400 kV	0.000	0.596	87.680	4th Mar 2022	15:30
		RUNGTA Feeder	132kV	21.320	18.800	22.360	1st Mar 2022	01:15
		RUNGTA DSP		0.016	0.000	4.261	10th Mar 2022	13:30
35	Narsinghpur	Narsinghpur(220/33)	1x40=40	8.276	5.843	8.716	31th Mar 2022	23:15
36	Nayagarh	Nayagarh (220/33)	2x40+1x20=100	53.042	36.332	57.950	29th Mar 2022	23:00
37	Nimapara	Nimapara	3x40=120	39.449	33.101	44.325	9th Mar 2022	19:00
38	Nuapatana	Nuapatana	1x40+1x20+1x12.5=72.5	16.817	14.738	27.926	31th Mar 2022	19:15
39	Olaver	Olaver	2x12.5=25	7.432	4.675	8.020	30th Mar 2022	21:45
40	Pandiabil PG	PGCIL Stn. Tertiary		0.000	0.000	0.000	1st Mar 2022	00:00
41	Paradeep	Essar Steel Fdr-1&2	220kV	9.850	14.832	34.750	19th Mar 2022	00:15
		IFFCO Fder-1&2	132kV	5.560	5.662	10.560	1st Mar 2022	13:15
		IOCL Feeder	220kV	0.000	0.000	0.000	1st Mar 2022	00:00
		PPL Fder-1&2	132kV	2.040	3.025	12.840	2nd Mar 2022	21:30
		PPT Fder-1&2	132kV	10.800	13.790	22.920	17th Mar 2022	19:45
		Paradeep	3x20=60	10.808	10.757	18.542	16th Mar 2022	19:45
42	Pattamundai	Pattamundai	2x20+1x12.5=52.5	26.528	17.743	27.820	30th Mar 2022	22:15
43	Phulnakhara	Phulnakhara	1x40+2x20=80	31.028	28.091	39.348	27th Mar 2022	22:30
44	Pratapsasan	Pratapsasan	1x40=40	9.014	6.483	32.042	21th Mar 2022	16:15
45	Puri	Puri	3x40=120	30.042	24.832	36.086	16th Mar 2022	23:00
46	Ranasinghpur	Ranasinghpur	3x63=189	94.433	61.845	95.196	28th Mar 2022	23:00
47	Rengali PG	PGCIL Stn. Tertiary		0.000	0.000	0.000	1st Mar 2022	00:00
48	Rengali S/W	Rengali S/W (220/33)	2x20=40	12.784	8.811	13.876	30th Mar 2022	22:00
49	Salipur	OCL Feeder	132kV	4.681	7.460	18.888	22th Mar 2022	17:45
		Salipur	3x20=60	32.711	21.556	35.043	30th Mar 2022	22:30
50	Samangara	Samangara	2x20=40	5.564	3.782	18.824	16th Mar 2022	18:30
51	Shamuka	Shamuka	2x31.5=63	27.840	21.558	29.880	12th Mar 2022	22:45
52	Tirtol	Tirtol	2x40=80	21.880	12.208	22.640	30th Mar 2022	22:00
53	TS Alloys S/W	RAWMET Feeder	132kV	22.119	21.272	24.144	25th Mar 2022	17:30
54	Unit-8 GIS	Unit-8 GIS	2x40=80	15.455	12.165	30.588	15th Mar 2022	12:30
	Balugaon	Khallikote Feeder	33kV	-11.644	-11.163	-17.308	27th Mar 2022	18:45
	Chandikhol	Badachana Feeder	33kV	12.395	9.740	14.119	29th Mar 2022	18:45
	Rairakhol	Bamur Feeder	33kV	2.152	1.805	3.056	3rd Mar 2022	18:45
	Rengali	BUDHAPAL Feeder	33kV	-1.344	-0.983	-1.556	23th Mar 2022	19:30
	Barkote	Pallhara Feeder	33kV	2.206	1.707	4.728	17th Mar 2022	11:15
	Chandaka	S.N. Mohanty(Solar)	11kV	0.000	0.147	0.608	15th Mar 2022	11:45
	Chandpur	MGM SOLAR	11kV	0.000	0.157	0.639	13th Mar 2022	11:45
		VIVACITY Solar	11kV	0.000	0.111	0.464	5th Mar 2022	12:00
		TPCODL TOTAL ENERGY (MU)		**1,467.1779**	**839.4733**	**2,019.2168**		

ENERGY DRAWAL OF TPWODL CONTROL AREA GRID SUBSTATIONS FOR THE MONTH OF MARCH'2022								
Sl.No	Name of Sub Station	Name of Feeder	Installed Capacity	SMD	Average Drawal	MAX DEMAND		
			MVA	MW	MW	MW	Date	Time
1	Aryan-Viraj S/W	Aryan Ispat Feeder	132 kV	0.000	0.010	3.063	14th Mar 2022	21:45
		Aryan-Viraj	132 kV	0.000	0.463	5.550	15th Mar 2022	20:00
2	Bamra	Bamra Traction	132 kV	8.120	8.806	18.000	6th Mar 2022	11:00
3	Barapalli	Dunguripali Tr.	132kV	3.040	4.237	14.960	4th Mar 2022	21:00
		Barapalli	1x40+1x20=60	35.672	34.033	48.184	28th Mar 2022	06:45
4	Bargarh	ACC Feeder-1&2	132kV	7.560	0.755	7.920	23th Mar 2022	20:45
		Bargarh	3x40=120	79.970	69.124	98.443	1st Mar 2022	07:15
5	Bargarh (New)	Bargarh (New)	2x12.5=25	0.120	0.043	0.200	16th Mar 2022	18:30
6	Barkote	Barkote (220/33)	2x40=80	14.004	10.382	15.790	21th Mar 2022	19:30
7	Bhalulata	Bhalulata Traction	132 kV	6.320	4.351	16.240	21th Mar 2022	13:15
8	Bhawanipatna	Lanjigarh Traction	132kV	5.755	4.729	14.408	2nd Mar 2022	01:45
		Bhawanipatna	2x12.5=25	15.467	12.104	19.181	31th Mar 2022	20:30
9	Bolangir PG	415V side Tertiary		0.043	0.043	0.043	1st March 2022	00:00
10	Bolangir	Bolangir	3x40=120	45.875	37.081	59.293	30th Mar 2022	17:15
11	Bolangir (New)	Bolangir (New)	1x40+1x12.5=52.5	5.448	3.750	8.092	3rd Mar 2022	19:00
12	Bonai	Bonapali Traction	132kV	0.240	1.415	8.680	20th Mar 2022	18:15
		Bonai(220/33)	2x20=40	14.096	10.150	14.572	31th Mar 2022	19:30
13	Brajarajnagar	Kechobahal Traction	132kV	1.789	1.719	5.727	19th Mar2022	13:00
		Brajarajnagar	1x40+3x20=100	34.584	28.963	37.336	26th Mar 2022	20:15
14	Budhipadar	AAL Feeder-1&2	220 kV	1.200	0.609	37.960	31th Mar 2022	18:45
		BPSL Fedr-1&2	220 kV	103.094	22.448	145.281	3rd Mar 2022	02:15
		MCL Fder-1&2	132 kV	15.153	11.692	17.275	28th Mar 2022	19:45
		MSP Feeder	132 kV	0.000	0.000	0.000	1st Mar 2022	00:00
		SMC Power	220 kV	6.388	4.676	13.151	14th Mar 2022	03:00
		Budhipadar	1x20+1x12.5=32.5	9.972	7.207	14.963	26th Mar 2022	09:45
		Vedanta Ltd	220 kV	0.000	0.000	28.400	16th Mar 2022	15:30
15	Burla P.H.	Island & Incomer	11 kV	0.000	0.000	0.000	1st Mar 2022	00:00
16	Chandiposh	Chandiposh Trac	220 kV	0.960	2.691	12.640	3rd Mar 2022	01:45
17	Chend	Adhunik Metallic Fdr.	132 kV	10.363	5.667	13.338	25th Mar 2022	16:15
		Nuagaon Trac.	132 kV	0.600	1.389	7.600	9th Mar 2022	04:45
		Sri Ganesh Metallics	132 kV	1.806	3.001	8.106	11th Mar 2022	16:00
		Chend	3x40=120	56.388	45.374	58.650	22th Mar 2022	19:15
18	Chipilima P.H.	Chipilima P.H.	1x20+1x12.5=32.5	25.802	21.055	27.949	31th Mar 2022	18:45
19	Ghens	Ghens	1x40=40	52.080	43.896	56.880	20th Mar 2022	15:30
20	Jayapatna	Megalift Feeder-I &II	132 kV	0.000	0.035	0.360	3rd Mar 2022	10:45
		Jayapatna	2X40=80	12.319	12.081	16.737	31th Mar 2022	21:45
21	Jharsuguda	Jharsugda Trac.	132 kV	22.520	13.318	29.040	25th Mar 2022	11:45
		Jharsuguda	2x40=80	20.240	16.769	27.840	28th Mar 2022	23:00
		Ultratech Feeder	132kV	10.968	9.871	12.672	5th Mar 2022	19:00
22	Junagarah	Junagarah	3x20=60	22.456	17.515	25.676	31th Mar 2022	22:15
23	Kalunga	Kalunga	2x40=80	44.357	42.524	52.868	5th Mar 2022	11:30
		Mahavir Ferro CGP	33 kV	0.000	0.000	0.000	1st Mar 2022	00:00
24	Kantabanji	Kantabanji Trac.	132 kV	0.680	2.257	8.640	1st Mar 2022	08:45
		Kantabanji	2x40=80	12.360	10.732	15.240	27th Mar 2022	16:45
25	Katapali	HINDALCO Fdr-1&2	220 kV	2.600	1.859	18.680	11th Mar 2022	04:45
		GodbhagaRTSS	132kV	4.840	2.588	8.640	4th Mar 2022	12:30
		Katapali	1x40+2x20=80	35.998	28.933	43.319	26th Mar 2022	19:00
26	Kesinga	POWMEX Fdr	132 kV	2.006	0.776	3.309	23th Mar 2022	22:00
		Kesinga Traction	132 kV	6.920	3.532	12.080	4th Mar 2022	12:45
		Kesinga	1x40+2x20=80	39.021	28.050	44.870	25th Mar 2022	19:00
27	Khariar	Khariar	2x40=80	34.800	29.947	39.240	21th Mar 2022	19:00
28	Kuchinda	Kuchinda	2x20=40	13.381	10.495	16.856	31th Mar 2022	20:00
29	Lapanga	Rengali Traction	132KV	4.640	7.250	15.840	28th Mar 2022	08:45
		Lapanga	1x20=20	8.640	8.345	11.368	31th Mar 2022	18:15
30	Lephripada	Basundhara	220kV	2.934	2.122	3.415	28th Mar 2022	18:15
		Lephripada	2x20=40	2.924	2.122	3.236	10th Mar 2022	10:45
31	Maneswar	Maneswar	2x40=80	4.958	4.269	6.340	3rd Mar 2022	18:30
32	Nuapada	Nuapada Trac.	132 kV	2.880	2.376	4.440	4th Mar 2022	13:00
		Nuapada	2x20=40	18.280	15.619	19.180	31th Mar 2022	22:45
33	Padampur	Padampur	1x40+2x20=80	29.256	27.396	35.036	21th Mar 2022	17:15
34	Patnagarh	Patnagarh	1x40+2x20=80	22.744	16.778	30.050	31th Mar 2022	17:15
35	Rairakhol	Rairakhol Trac.	132kV	1.880	2.711	10.400	31th Mar 2022	17:45
		Rairakhol	3x12.5=37.5	8.012	5.929	9.424	31th Mar 2022	19:00
36	Rajgangpur	OCL Feeder	132kV	0.000	2.358	20.440	1st Mar 2022	00:30
		OISL Feeder	132kV	0.000	0.000	0.000	1st Mar 2022	00:00
		Rajgangpur Trac-1&2	132 kV	2.720	2.922	6.480	30th Mar 2022	22:30
		Rajgangpur	3x40=120	45.240	42.054	56.720	7th Mar 2022	18:45
37	Rourkela PG	PG Tertiary	33kV	0.006	0.006	0.006	1st Mar 2022	00:00
38	Rourkela	Rourkela Trac Tfr	1x12.5=12.5	0.000	0.000	0.000	1st Mar 2022	00:00
		Rourkela	1x40+3x35=145	47.080	35.063	50.880	31th Mar 2022	18:45
39	Saintala	ORDNANCE Feeder	132 kV	0.960	1.280	3.160	28th Mar 2022	11:00
40	Sambalpur	Sambalpur	1x40+2x31.5=103	56.568	45.099	64.402	31th Mar 2022	19:00
		Shyam DRI Feeder	132 kV	2.400	7.140	15.240	4th Mar 2022	11:30
41	SMC S/W	SMC Power	132kV	6.388	4.676	13.151	14th Mar 2022	03:00
42	Sonepur	Sonepur	2x40+1x20=100	54.887	42.545	61.201	26th Mar 2022	18:45
43	Sundargarah PG	PG TERTIARY	33 kV	0.136	0.136	0.136	1st Mar 2022	00:00
44	Sundargarah	Sundargarah	1x40+2x20=80	25.489	17.933	27.141	16th Mar 2022	19:15
45	Tarkera	RSP Feeder-1&2	220 kV	85.625	0.000	161.906	18th Mar 2022	20:15
		RSP Feeder-3&4	220 kV	68.400	0.000	76.400	31th Mar 2022	12:30
46	Tusura	Tusura	1x40+1x20=60	15.452	14.593	21.536	31th Mar 2022	17:15
		Deogaon Tr.	132kV	3.400	3.248	12.880	13th Mar 2022	02:30
47	VAL Lanjigarh	Vedanta Al. fder-1&2	132 kV	3.640	2.444	10.880	3rd Mar 2022	20:15
	Vedanda S/W	Vedanta SEZ	400 kV	1191.041	793.081	1226.678	06th Mar 2022	23:00
	Barkote	Pallhara Feeder	33kV	-2.344	-1.707	-4.728	17th Mar 2022	11:15
	Joda	Joda-Tensa Feeder	33 kV	7.520	7.186	21.840	18th Mar 2022	20:15
	Rairakhol	Bamur Feeder	33 kV	-2.344	-1.805	-3.056	3rd Mar 2022	18:45
	Rengali	BUDHAPAL Feeder	33kV	1.484	0.983	1.556	23th Mar 2022	19:30
	Sonepur	Manamunda Feeder	33 kV	-13.340	-10.505	-15.408	26th Mar 2022	18:45
	Tentulikhunti	Mukhiguda Fdr	33KV	0.992	0.800	1.248	26th Mar 2022	19:00
	ACME SOLAR	ACME SOLAR	132 kV	0.084	0.036	0.112	3rd Mar 2022	17:45
	Bamra	Joy Iron Steel (Solar)	11 kV	0.000	0.180	0.774	13th Mar 2022	12:15
	Barkote	Molisati Solar	11 kV	0.000	0.176	0.712	9th Mar 2022	12:00
	Kesinga	SADIPALI Solar	33kV	0.000	5.288	20.520	9th Mar 2022	12:15
		Vento Power Solar -1	132 kV	0.080	0.049	0.160	6th Mar 2022	18:15
		Vento Power Solar -2	132 kV	0.040	0.029	0.080	1st Mar 2022	00:00
	Bonei	Mahavir Solar	33 kV	0.000	0.141	0.609	13th Mar 2022	11:30
	Padampur	Dakshin UPL solar	132kV	0.080	0.045	0.160	28th Mar 2022	18:15
	Patnagarh	ALEX Solar Pvt. Ltd.	33 kV	0.000	0.993	4.160	7th Mar 2022	12:00
		JYOTI Solar	33 kV	0.000	2.449	9.576	14th Mar 2022	11:30
	Bolangir (New)	REHPL(Solar)	11kV	0.000	0.204	0.836	14th Mar 2022	11:45
	Saintala	BEL-OFBL Solar	132kV	0.048	0.018	0.056	20th Mar 2022	18:45
	Sonepur	GEDCOL Solar	33 kV	0.000	3.491	14.172	14th Mar 2022	12:15
		ABACUS Holdings Solar	11 kV	0.000	0.180	0.808	13th Mar 2022	11:45
	Tusura	Vento Power Solar-I	132 kV	0.080	0.040	0.160	17th Mar 2022	18:00
		Vento Power Solar-II	132 kV	0.040	0.037	0.120	5th Mar 2022	18:00
	Bargarh	Aditya Solar Fdr-I & II	33 kV	0.035	0.019	0.134	30th Mar 2022	18:45
	ABSL Sw. Station	Aditya Solar	132kV	0.055	0.030	0.207	30th Mar 2022	18:45
		TPWODL TOTAL ENERGY (MU)		**2,556.4635**	**1,302.7436**	**3,246.7124**		

ENERGY DRAWAL OF TPNODL CONTROL AREA GRID SUBSTATIONS FOR THE MONTH OF MARCH'2022								
Sl.No	Name of Sub Station	Name of Feeder	Installed Capacity	SMD	Average Drawal	MAX DEMAND		
			MVA	MW	MW	MW	Date	Time
1	Agarpada	Agarpada	1x40=40	10.720	7.387	12.400	31th Mar 2022	22:15
2	Anandpur	Anandpur	1x20+2x12.5=45	18.018	12.902	20.109	31th Mar 2022	20:30
3	Arya Ispat S/w	ARYA Steel Fdr	132kV	7.468	7.293	8.092	2nd Mar 2022	18:45
		BRPL Feeder	132kV	13.969	14.911	10.960	1st Mar 2022	02:15
		IMTCPL Fder	132kV	2.272	1.138	2.804	6th Mar 2022	13:15
4	Balasore	BIRLA Tyre Fder	132kV	0.324	0.264	0.352	28th Mar 2022	21:00
		ISPAT Feeder	132kV	0.000	0.000	0.000	1st Mar 2022	00:00
		Balasore Traction	132kV	6.000	7.028	13.680	20th Mar 2022	14:45
		Balasore	2x63+1x40=166	68.325	51.327	78.994	29th Mar 2022	20:00
5	Bangiriposi	Bangiriposi	2x12.5=25	13.060	9.488	13.692	31th Mar 2022	21:30
6	Barbil	Barbil	2x12.5=25	7.972	7.529	10.219	31th Mar 2022	19:00
7	Baripada PG	Baripada PG Stn.		0.055	0.055	0.055	1st Mar 2022	00:00
8	Baripada	Baripada	3x40=120	26.593	18.259	29.214	30th Mar 2022	22:45
9	Basta	Basta	2x20+1x12.5=52.5	26.454	18.651	28.083	27th Mar 2022	20:30
10	BC Mohanty S/w	Daitary	132kV	1.229	1.024	21.354	17th Mar 2022	19:15
		BC Mohanty fdr	132 kV	9.276	8.666	9.684	30th Mar 2022	07:00
		TOMKA Traction	132kV	0.440	3.595	15.440	10th Mar 2022	19:00
11	Betanati	Betanati	1x20=20	20.749	14.953	22.166	29th Mar 2022	21:45
12	Bhadrak	Dhamra Port (Trac.)	132 kV	1.194	3.048	6.744	14th Mar 2022	14:15
		Dhamra Port Fder	132 kV	8.569	7.419	14.400	28th Mar 2022	20:15
		FACOR Feeder	132kV	10.200	0.000	10.920	5th Mar 2022	03:15
		FACOR Power	132kV	0.000	0.000	2.960	5th Mar 2022	06:45
		Bhadrak Traction	132 kV	6.440	6.973	13.240	1st Mar 2022	08:15
		Bhadrak	2x63+1x40=166	60.160	43.770	69.960	29th Mar 2022	19:30
13	Bhograi	Bhograi	2x40=80	17.400	13.144	20.960	27th Mar 2022	22:00
14	Bolani	Bolani(132/11)	2x10=20	1.800	2.315	4.340	30th Mar 2022	07:45
15	BRPL S/w	BRPL Feeder	132kV	13.969	14.911	18.556	17th Mar 2022	18:45
		Mesco Feeder	132kV	0.000	0.001	0.013	10th Mar 2022	00:45
16	Chandabali GIS	Chandabali GIS	1x40+1X20=60	7.200	5.061	8.400	30th Mar 2022	22:00
17	Chandikhol	Chandikhol	3x20=60	33.292	27.039	36.468	29th Mar 2022	18:45
18	Daitary	Bamnipal	132kV					
		Daitary	1x12.5=12.5	1.229	1.024	1.879	29th Mar 2022	19:15
19	Dhenkikote	Dhenkikote	1x20=20	5.672	4.000	6.212	31th Mar 2022	21:30
20	Duburi	Jakhapura Traction	132 kV	11.320	9.961	18.560	9th Mar 2022	12:00
		JFAL Feeder	132 kV	0.000	0.000	0.000	1st Mar 2022	00:00
		Mishrilal Feeder	132 kV	0.100	0.081	0.300	3rd Mar 2022	12:00
		NINL Feeder	220 kV	0.013	0.006	0.038	1st Mar 2022	23:45
		Duburi(220/33)	2x40=80	18.486	15.806	23.119	30th Mar 2022	21:45
21	Duburi-New	Emami Feeder	220 kV	10.960	5.946	11.480	13th Mar 2022	03:00
		Jindal Stainless-1&2	220 kV	18.320	10.763	24.560	5th Mar 2022	19:45
		Maithan Feeder	220 kV	1.100	0.788	4.050	1st Mar 2022	12:30
		Rohit Ferrotech	220 kV	31.280	28.006	35.480	7th Mar 2022	10:15
		TATA Steel Fdr-1&2	220 kV	88.920	70.018	149.720	9th Mar 2022	15:30
		VISA Steel	220 kV	14.000	10.080	23.000	5th Mar 2022	15:45
		Jagganath Steel Fdr	132kV	0.028	0.305	9.294	19th Mar 2022	10:45
22	Haridaspur	RAMCO Feeder 132kV	132 kV	4.972	4.698	6.300	5th Mar 2022	19:00
23	Jajpur Road	Jajpur Road	3x40=120	41.040	33.562	47.560	29th Mar 2022	22:15
		Yazdani CGP Feeder	33 kV	0.071	0.194	1.229	15th Mar 2022	20:30
24	Jajpur Town	Jajpur Town	2x40+1x20=100	39.686	29.967	47.135	30th Mar 2022	23:30
25	Jaleswar	Jaleswar Trac.	132 kV	4.760	6.206	12.680	3rd Mar 2022	20:45
		Jaleswar	2x31.5+1x12.5=75.5	19.740	16.904	24.036	29th Mar 2022	20:00
26	Joda	Bansapani Trac.	132 kV	9.231	6.606	17.719	9th Mar 2022	15:15
		FAP Feeder	132kV	17.281	16.842	17.644	11th Mar 2022	21:30
		JSPL Trf-1,2&3(220/33)	2x50+1x20=120	51.670	48.588	62.745	1st Mar 2022	09:15
		TATA STEEL	220kV	7.760	6.578	9.640	28th Mar 2022	20:15
		TATA Steel Long	220 kV	0.000	0.000	0.040	9th Mar 2022	14:00
		Joda	1x40+3x20=100	28.765	25.060	35.611	7th Mar 2022	18:15
		Sarada Ind (220/33)	1x15=15	0.600	0.469	0.680	19th Mar 2022	18:45
27	JSW Cement S/W	JSW Cement Fdr	132kV	2.880	2.998	6.240	15th Mar 2022	12:45
28	Karanjia	Karanjia	1x20+2x12.5=45	20.188	14.159	20.616	30th Mar 2022	21:45
29	Keonjhar GIS	Keonjhar GIS	2x20=40	14.376	9.534	23.740	31th Mar 2022	20:30
30	Keonjhar PG	PGCIL Stn. Tertiary	33 kV	0.049	0.049	0.049	1st Mar 2022	00:00
31	Nalda	Nalda Traction	132 kV	3.560	3.231	11.080	12th Mar 2022	13:00
32	Polasponga	ESIL Feeder	132 kV	21.194	16.993	23.138	14th Mar 2022	15:30
		MSP Feeder	132 kV	6.656	8.591	12.196	7th Mar 2022	11:00
		OSISL CGP Feeder	33 kV	0.000	0.000	0.000	1st Mar 2022	00:00
		Patnaik Steel CGP	33 kV	0.000	0.000	0.000	1st Mar 2022	00:00
		Palasponga Trac.	132 kV	7.556	6.131	18.706	23th Mar 2022	14:00
		Polasponga	1x40+2x20=80	28.300	21.551	28.552	26th Mar 2022	19:45
33	Rairangpur	Rairangpur	2x20+1x12.5=52.5	20.117	14.832	28.535	16th Mar 2022	11:15
34	RML Karakhendra	Karakolha	132kV	2.068	0.490	3.783	30th Mar 2022	12:15
35	Somnathpur	IMAMI Feeder	132 kV	5.763	6.643	10.063	4th Mar 2022	21:00
		Stork Feeder	132 kV	0.000	0.000	0.000	1st Mar 2022	00:00
		Somnathpur	2x12.5=25	6.788	5.824	7.808	26th Mar 2022	11:15
36	Soro	Soro	1x40+2x20=80	49.363	32.656	55.657	30th Mar 2022	22:45
37	Udala	Udala	2x40=80	15.280	9.994	15.880	29th Mar 2022	21:45
	Chandikhol	Badachana Fder	33kV	-12.900	-9.740	-14.119	29th Mar 2022	18:45
	Joda	Joda-Tensa Fdr	33 kV	-9.208	-6.373	-10.140	1st Mar 2022	19:15
		TPNODL TOTAL ENERGY (MU)		**1002.1801**	**593.8410**	**1336.7508**		

ENERGY DRAWAL OF TPSODL CONTROL AREA GRID SUBSTATIONS FOR THE MONTH OF MARCH'2022								
Sl.No	Name of Sub Station	Name of Feeder	Installed Capacity	SMD	Average Drawal	MAX DEMAND		
			MVA	MW	MW	MW	Date	Time
1	Akhusingi	Akhusingi	2x12.5=25	13.842	10.751	15.356	30th Mar 2022	22:00
2	Aska	Aska	4x40=160	45.320	32.000	50.960	31th Mar 2022	08:00
3	Aska New	Aska New	1x40=40	14.000	9.839	15.400	29th Mar 2022	19:00
4	Balimela	Balimela (220/33)	1x40+1x20=60	12.536	12.053	17.196	31th Mar 2022	19:45
5	Berhampur	Berhampur	2x40+1x20=100	51.447	40.464	60.738	28th Mar 2022	12:30
6	Bhanjanagar	Bhanjanagar	2x40+1x16=96	32.038	20.295	32.074	28th Mar 2022	19:15
7	Boudh	Boudh	2x20=40	8.692	4.770	10.656	31th Mar 2022	22:00
8	Chatrapur	IRE Feeder-1&2	132kV	8.684	7.835	9.525	16th Mar 2022	18:00
		Rambha Traction	132 kV	5.800	4.806	11.480	16th Mar 2022	04:00
		Chatrapur	3x20=60	35.612	24.853	38.666	28th Mar 2022	18:45
9	Chikiti	Chikiti	1x40=40	9.000	7.258	11.920	29th Mar 2022	10:15
10	Dabugaon	Dabugaon	2x12.5=25	16.932	13.488	18.552	26th Mar 2022	19:15
11	Digapahandi	Digapahandi	2x20+1x12.5=52.5	22.972	17.388	24.478	7th Mar 2022	18:45
12	Ganjam	GRASIM Ind. Ltd.	132kV	21.963	20.369	23.538	31th Mar 2022	10:00
		Ganjam	2x12.5=25	2.136	4.946	9.048	1st Mar 2022	10:45
13	G Udaigiri	G Udaigiri	1x20=20	3.356	0.000	6.708	31th Mar 2022	19:00
14	Jaypur PG	Jaypur PG Ter.	28KV	0.076	0.076	0.076	1st Mar 2022	00:00
15	Jayanagar	Jaypur Trac.	132 kV	12.000	11.370	29.080	17th Mar 2022	03:15
		Jayanagar	2x20+1x12.5=52.5	31.232	25.009	38.662	31th Mar 2022	19:30
16	Kasipur	Kasipur(220/33)	1x20=20	1.732	1.017	1.924	17th Mar 2022	18:45
17	Laxmipur	Laxmipur(220/33)	1x20=20	10.204	7.656	12.628	9th Mar 2022	07:00
		Utkal Alumina Fdr-I&II	220kV	0.080	0.805	20.160	30th Mar 2022	02:45
18	Malkangiri	Malkangiri (220/33)	2x40=80	14.640	11.458	18.720	30th Mar 2022	19:15
19	Meenakshi s/w	Megalift Feeder	33kV	0.008	0.013	0.416	7th Mar 2022	17:45
20	Mohana	Mohana	2x12.5=25	7.016	5.222	8.908	31th Mar 2022	19:00
21	Muniguda	Bissam-Cuttack Tr	132 kV	5.480	5.747	18.960	28th Mar 2022	10:00
22	Narendrapur	TATA Feeder-I&II	220 KV	21.400	22.123	26.160	16th Mar 2022	05:00
		Narendrapur Trac	132 kV	4.520	5.209	11.880	14th Mar 2022	09:45
		Narendrapur	3x40+1x20=140	32.396	26.209	35.996	29th Mar 2022	23:00
23	Paralakhemendi	Paralakhemendi	3x12.5=37.5	15.688	11.913	19.096	25th Mar 2022	20:00
24	Phulbani	Phulbani	2x40+1x12.5=92.5	20.812	13.401	21.736	30th Mar 2022	19:45
25	Podagada	Podagada	1x12.5=12.5	2.380	1.584	3.428	11th Mar 2022	07:15
26	Potangi	Potangi	1x40=40	1.564	3.079	5.468	1st Mar 2022	09:00
27	Purushottampur	Purushottampur	1x20+2x12.5=45	15.449	12.140	22.295	29th Mar 2022	09:00
28	Rayagada	Rayagada Trac.	132 kV	507.619	2.888	507.619	9th Mar 2022	20:00
		Rayagada	2x12.5=25	11.068	9.651	16.284	31th Mar 2022	22:30
29	Sunabeda	HAL Feeder	132kV	8.788	4.776	9.804	21th Mar 2022	15:00
		Sunabeda	1x20+2x12.5=45	25.340	17.925	28.016	1st Mar 2022	07:30
30	Tentulikhunti	Tentulikhunti	3x20=60	17.388	13.793	19.334	26th Mar 2022	19:00
31	Therubali	JK Feeder	132kV	0.000	0.000	0.428	24th Mar 2022	16:45
		IMFA	132kV	43.760	0.000	46.080	23th Mar 2022	00:15
		Therubali	2x12.5=25	14.124	11.216	16.272	30th Mar 2022	21:30
32	Umerkote	Umerkote	2x20=40	29.364	24.290	31.440	30th Mar 2022	19:45
33	Balugaon	Khallikote Feeder	33kV	15.932	11.163	17.308	27th Mar 2022	18:45
34	Sonepur	Manamunda Feeder	33kV	14.532	10.505	15.408	26th Mar 2022	18:45
35	Tentulikhunti	Mukhiguda Fdr	33KV	-0.816	-0.800	-1.248	26th Mar 2022	19:00
		Vento Energy Solar	132 kV	0.080	0.042	0.280	18th Mar 2022	18:15
36	Boudh	Aditya Birla Solar-I 33kV	33kV	0.000	0.000	24.437	9th Mar 2022	10:45
37	Damanjodi	Nalco	220kV	25.920	0.000	44.040	19th Mar 2022	23:00
		Nalco	132kV	0.000	0.000	0.000	1st Mar 2022	00:00
		TPSODL TOTAL ENERGY (MU)		**1,214.1056**	**372.4415**	**1,427.3881**		

SYSTEM DISTURBANCE IN THE MONTH OF MARCH-2022

(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	Energy Loss (In MU)
1	Bolangir	01.03.22	12:30	12:54	00:24	160MVA Auto-I	Tripped from 220KV side without any indicationon on facia and relay panel as well as not functioning of of master trip relay. While switchyard visit observed pole discrepency operated.			160MVA Auto-II & III were in service to meet the grid demand.	
2	Lapanga	01.03.22	13:48	14:03	00:15	132kV Katapali- Lapanga Ckt II	Tripped at Lapanga Zone-1, Y-E, Distance-48.8Km, If=4.64KA, AR success at Katapali end				
3	Paradeep	02.03.22	04:52	08:01	03:09	132kV Paradeepp-PPL CKT-I	O/C B PH,IL3-5.93KA				
4	Budhipadar	02.03.22	12:19	13:03	00:44	220kV Budhipadar-Tarkera Ckt-I	1) D/P-I(SIEMENS 7SA52) Relay Trip, B-Phase Trip, Zone-I, FL= L3-E, IL3= 2.15 KA, FD= 81.7 Kms, d[%]= 74.3%, 2) D/P-II (ABB RELZ100) ZM1 ZM2 ZM3, PST PSN CSZ, TRZ1				
5	Kuchinda	02.03.22	14:30	14:46	00:16	132 kV Kuchinda-Rajgangpur	Tripped on O/C ,R-Yph				
6	Bhograi	03.03.22	02:07	02:50	00:43	132kV Bhograi-Baripada PG	Tripped on Zone-1, R-E, If=1.879KA, Distance-3.8Km				
7	Narendrapur	03.03.22	11:03	11:12	00:09	220kV Narendrapur - Atri Ckt-I	Tripped on distance fault. Main-I(SEL311C) C to G ,Zone-2 ,Dist-77.89Km ,Ia-237Amp .Ib-116Amp ,Ic-1238Amp ,Ig-1201Amp. Main-II(MicomP444) , C to N ,Zone-2 ,Dist-87.15Km , Ia- 234.7Amp ,Ib-117.7Amp ,Ic-1.207K Amp				
8	Jayapatna	03.03.22	12:06	12:11	00:05	132 kV Megalift-I Feeder	O/C (B-Ph) with Master Trip 1 & 2				
9	Tarkera	03.03.22	15:32	22:09	06:37	220kV Tarkera- Bonei Feeder	SPS				
10	New Duburi	04.03.22	16:25	18:40 05.03.22	26:15	220 kV New Duburi-Balasore Feeder	FACIA MAIN-1 DP Operated, MAIN-2 DP Operated, GR A/B Trip Relay Operated MAIN-1 DP **1ST EVENT:** General Trip,R PH Picked up, E/F,Zone-2 Trip, Dist. Tel CH1 ON, DIST. TEL CH2 ON, A/R OPTD, IL1=1.44 KA, DIST.=129.9KM **2ND EVENT:** General Trip,R PH picked up, Y PH picked up, E/F, Zone-2 Trip, Definitive Trip ON, DIST.=126.8KM MAIN-2 DP **1ST EVENT:** Any trip, R PH, ZONE-2, Distance=129.3 KM, IL1=1.402 KA, IL2= 277.3 A, IL3= 112.1 A, Distance trip Z 2 aided, Fault duration=61.76 ms, relay trip time=80.12 ms **2ND EVENT:** Any trip, R PH, Zone-2, Distance=120.9 KM, IL1=1.710 KA, IL2= 1.747 A, IL3= 97.62 A, CARRIER RECEIVED, CARRIER AIDED TRIP, Fault duration=376.8 ms, relay trip time=79.42 ms			Single T insulator string damaged at location no 405	
11	Bhograi	05.03.22	05:01	06:49	01:48	132kV Bhograi-Baripada PG	Tripped on E/F Zone-1, B-E, If=1.78KA, Distance-38Km				
12	Dhenkanal	05.03.22	12:12	14:25	02:13	132kV Dhenkanal-Meramundali Feeder	**Local End**-Only DP relay operated with Fault loop-R-Y,Fault distance-31.88KM,Fault Current-Ir=1.78KA,Iy=1.99KA,Zone-2 **Remote End**-B/U relay operated with Ir=12.26KA,Iy=12kA.			Line test charged after patrolling done by concerned line authuority & it stood OK.	
13	Kamakyanagar	05.03.22	16:50	17:21	00:31	132 kV OPCL-Kamakhyanagar	DP & MT-86, 3 ph				
14	Paradeep	05.03.22	05:16	06:14	00:57	132kV PRDP-PPT CKT-II	O/C Y PH,IL1-0.11KAII.2-0.11KA,IL3-0.1KA				
			14:09	01:12	11:02	132kV PRDP-PPT CKT-I					
15	Aska	06.03.22	11:28	11:52	00:24	220kV Bhanjanagar-Aska New Ckt 1	Tripped on BB Protection	Aska,chikiti, Digapahandi, Purushottampur	00:26		
			11:28	11:52	00:24	220kV Bhanjanagar-Aska New Ckt 2					
			11:28	11:53	00:25	160MVA Auto Tfr-1					
			11:28	11:53	00:25	160MVA Auto Tfr- 2					
			11:28	11:54	00:26	132kV Aska New -Aska ckt-1	Incomer Failure				
			11:28	11:54	00:26	132kV Aska New -Aska ckt-2					
			11:28	11:54	00:26	132kV Aska New -Digapahandi ckt-1					
			11:28	11:54	00:26	132kV Aska New -Digapahandi ckt-2					
			11:28	11:54	00:26	132kV Aska New- Chatrapur Ckt (idle charged)					
			11:28	11:54	00:26	132kV Aska New- Berhampur Ckt (idle charged)					
			11:28	11:54	00:26	132kV Aska-PurushottampurFeeder	Incoming supply failure from Aska end				
			11:28	14:53	03:25	220kV Mendhasal-Bhanjanagar Feeder	Ia=1.52KA, Ib=0.19KA, Ic=0.18KA Distance=110.8KM				
16	Laxmipur	08.03.22	15:09	15:24	00:15	220kV Laxmipur-Aditya ckt-I	Tripped at laxmipur end due to O/C & E/F in B-ph,Zone-I,location=7.2Kms,IB=3.614KA				
17	Tarkera	08.03.22	17:47	23:15	05:28	220kV Tarkera- Bonei	SPS				
18	Kesinga	09.03.22	10:41	11:31	00:50	132kV Vento Solar Ckt-I	O/C				
19	Bargarh New	09.03.22	11:04	11:43	00:39	220kV Katapalli- Bargarh New Feeder	Trip				
20	Joda	09.03.22	11:36	13:39	02:03	220kV Joda-Ramchandrapur Feeder	Tripped at both end but immediately charged by auto-recloser at both Joda & Ramchandrapur end. **Realy indication of Joda end**: DP relay optd: Zone-I,Distance=18.70KM, Fault current: Ia=456.0A,Ib=1.864KA,Ic=377.1A **Relay at RCPUR end**: No relay indication & Current : Ia=325A,Ib=0,Ic=326A **Note:** After filed verification at RCPUR end Y-Ph breaker pole opened.				
21	Meramundali	09.03.22	13:23	14:39	01:16	220 kV TTPS-I	Tripped from TTPS end only. B-E,Dist= 9 KM				
			13:23	14:40	01:17	220 kV TTPS-II	B-E,Dist= 8.8 KM				
			13:27	14:23	00:56	220kV Meramundali- Nalco Ckt-II	B-E,IB=17.31 KA.Z1,SOTF,Dist=1.12 KM				
22	Budhipadar	10.03.22	11:13	11:17	00:04	160MVA Auto Transformer-II	only Master trip relay operated.				
23	Budhipadar	11.03.22	12:52	14:46	01:54	220kV Budhipadar - Korba Ckt-I (Previously called Korba Ckt-II)	**Local End**-D/P 1 operated: TRZ1, ZM1, ZM2, ZM3, PSN, PST, CSZ D/P 2 Operated: Power swing trip, IL3=5.03kA, no master trip operated. **Remote End**-D/P operated in Zone-II, C ph trip, IL3= 1.012 kA,FD= 117.65 km Auxillary relay-21XR, 21XY, 21XB				
24	Puri	11.03.22	14:56	19:40 12.03.22	28:44	132kV Puri-Shamuka Line	Shamuka end Yphase -G, Distance: 4.4 km, Zone-Z1, Ia= 252.404A, Ib=1743.899A, Ic=113.207A; Puri end Zone-Z1, Ia= 259.2A Ib=138.6A, Ic=118.7A			Puri availed supply from 132KV Nimapara Grid & Shamuka availed supply from Atri Grid	
25	Jayanagar	13.03.22	12:27	12:47	00:20	220kV Jayanagar-Balimela Ckt-II	**Local End**:- B-G,Z2,92.2KM,1KA **Remote End:**- B-G,Z1,35.54KM				
26	Lapanga	13.03.22	12:39	13:19	00:40	400kV OPGC- Lapanga Ckt-II	**Lapanga End**- Zone-1, R-E,If=13.67KA, Distance-5Km, AR successful **OPGC End**-Zone-1, R-E,if=11KA, Distance-19.5Km, R,Y,B Ph voltage available at OPGC end, AR unsuccessful				
27	Budhipadar	13.03.22	14:00	14:16	00:16	160MVA Auto Transformer-II	only Master trip relay operated.				
28	Jayapatna	14.03.22	10:07	10:14	00:07	132kV Jayapatna-Dabugaon Feeder	O/C (B-Ph) & E/F with Master Trip 1 & 2,Zone-3 Indication,Fault Location-190.8km				
			10:07	17:06	06:59	132kV Jayanagar-Tentulikhunti Ckt-I	B-g,Z2,105.58KM,566A				
29	Joda	14.03.22	10:57	11:17	00:20	220kV Joda-TTPS CKT-II	Tripped at both end . **AT JODA end** : **DP main-1 relay**:A/R success,Zone-I, Dist=16.11KM,Fault current Ia=1.944A,Ib=183.9A,Ic=185.6A, **DP main-2 relay**:A/R success,FL=AGT, Zone-I, Dist=14.01KM, Fault current : A=1961A,B=188A,C=192A,N=2293A,G=2292A **AT TTPS end:**DP relay is error				
30	Sambalpur	14.03.22	13:55	19:30	05:35	132 kV Sambalpur-SDRI Feeder	Distance protection operated,Z1, 'R' phase P/U,Fault Dist= 24.36Km, Ia= 2218A, Ib=227A, Ic= 156A & In= 2272A.			R-phase CT of Aryan bay burst & Y phase CT damaged at SDRI end.	
31	Puri	15.03.22	05:00	09:45	04:45	132kV Puri-Shamuka Line	Due to Malfunctioning of relay Ia=40.98A,Ib=54.6A, Ic=111.2A,In=142.8A			Availed supply from 132KV Nimapara Grid	
32	Nuapatna	15.03.22	11:03	11:37	00:34	132kV Nuapatna-Arati line	R and B phase O/C, Distance 24.70km, Ia= 1.900KA, Ic= 1.764KA				
33	TTPS	15.03.22	12:41	13:44	01:03	220kV Rengali PH-TTPS Feeder	Tripped				
34	Budhipadar	15.03.22	12:53	15:38	02:45	220kV Budhipadar- Bhusan Ckt-I	**Local End**-D/P operated in Bph-E loop, carrier send, Zone 1 Trip, IL3=10.28kA, No distance recorded and no master relay trip **Remote End**-Bph-E, IL3=900A, Zone started, D[%]=13.9%				
35	Budhipadar	15.03.22	12:53	15:38	02:45	220kV Budhipadar-BPSL- I	Tripped due to E/F, B-E, if=10.28KA				
36	Budhipadar	15.03.22	22:48	23:02	00:14	160MVA Auto Transformer-II	only Master trip relay operated.				
37	Budhipadar	16.03.22	01:58	02:05	00:07	160MVA Auto Transformer-II	only Master trip relay operated.				
			08:54	08:56	00:02						
			13:44	13:54	00:10						
38	Bhanjanagar	16.03.22	11:28	14:53	03:25	220 kV Bhanjanagar - Mendhasal Ckt	AN, Z-1,D= 6.6KM, IA-5.452 KA// Mendhasala End- AN,Z-2,D= 110.8 KM, IA-1.5 KA			After Line patrolling fault couldn't found	

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)
39	Dhenkanal	16.03.22	11:46	12:56	01:10	132kV Dhenkanal-Khajuriakata-Nuapatna Feeder	**Local End**- DP relay operated with Fault loop-R-N,Fault Current-Ir=1.7KA,Fault Distance =24.97KM, Zone 1 **Remote End-** Khajuriakata grid end DP relay operated with Fault loop-R-N,Fault Current Ir=2.35KA,Fault Distance=13.2KM,Zone 1. Nuapatna grid end DP relay operated with Fault loop-B-N,Fault Current Ir=1.202KA,Fault Distance=48.16KM,Zone 1.				
40	Bargarh	16.03.22	11:57	12:22	00:25	132 kV Bargarh - Katapali Feeder	Earth Fault				
41	Bolangir	16.03.22	13:33	13:51	00:18	132kV Bolangir New-Patnagarh Ckt-II	Tripped on distance protection. DP relay details:-(1) IA=177.2A, IB=3.944KA, IC=3.787KA (2) Trip Zone-I (3) Trip distance 15.23KM			132KV Bolangir New-Patnagarh Ckt-I is in service to meet the load demand of GSS Patnagarh, Padampur & Nuapada.	
42	Meramundali	16.03.22	13:51	17:17	03:26	400kV Meramundali- Lapanga II	**Meramundali End**-Main-I:-B-E,SOTF,IB=2.05 KA,Dist=115 KM, Main-II:-B-E,SOTF,IB=2.04 KA,Dist=114 KM,A/R Unsuccessful **Lapanga End**-B-E,IB= 3.58 KA,Dist= 84 KM				
43	Jayanagar	16.03.22	15:45	16:45	01:00	132 kV Chandaka-BPPL	**Local End**-Ir=0.35ka,iy=0.34ka,ib=0.34k **Remote End**-Breaker did not trip				
44	Tarkera	16.03.22	18:03	22:32	04:29	220kV Tarkera- Bonei	SPS				
		16.03.22	18:03	22:33	04:30	220kV Tarkera- Chandiposi					
45	Chandaka	16.03.22	18:41	20:04	01:23	132 kV Chandaka-BPPL	**Local End**-Ir=0.35ka,iy=0.34ka,ib=0.34k **Remote End**-Breaker did not trip				
46	Khajuriakata	16.03.22	19:06	19:56	00:50	133 kV Khajuriakata-Dhenkanal- Nuapatna T Line	**Local End**:- R-G, Z-1, Dist-13.2 KM, Fault Current-2.353 KA **Remote End**:-R-G, Z-1, Dist-24.24 KM, Fault Current-2.353 KA				
47	Khuntuni	16.03.22	19:58	22:15	02:17	132kV Khuntuni-ICCL Feeder	E/F, Jumper snap at ICCL end.				
48	Budhipadar	16.03.22	20:29	20:37	00:08	160MVA Auto Transformer-II	only Master trip relay operated.				
49	Meramundali	17.03.22	12:40	17:36	04:56	400kV Meramundali- Lapanga II	**Meramundali End**-Main-I:-B-E,SOTF,IB=2.11 KA,Dist=116.5 KM, Main-II:-B-E,SOTF,IB=2.08 KA,Dist=115.8 KM,A/R Unsuccessful **Lapanga End**- B-E,Z1,IB= 4.41 KA,Dist= 75 KM				
50	Sambalpur	17.03.22	14:30	14:38	00:08	132 kV Sambalpur-SDRI Feeder	Distance protection operated,Z1, R phase P/U, Fault Dist= 25.79Km, Ia= 2913A, Ib=586A, Ic= 246A & In= 2217A. Jumper snapped.				
51	Jaleswar	18.03.22	05:25	05:43	00:18	133 kV Jaleswar-Bhograi Line	Tripped From both the end				
52	Meramundali	18.03.22	13:37	17:40	04:03	400kV Meramundali- Lapanga I	Main-I:-B-E,IB=1.91 KA,Dist=203.7 KM,Z2 Main-II:-B-E,IB=1.89 KA,Dist=204.1 KM,Z1B,A/R Unsuccessful,O/C TRIP			No fault found after line patrolling.	
53	Mendhasal	18.03.22	13:51	21-03-2022 '12:26	70:35	132kV Mendhasal-Chandaka feeder	fault current=3.17KA Distance=15.7KM				
54	Budhipadar	19.03.22	10:16	11:21	01:05	220kV Budhipadar - Korba Ckt-I	**Local End**-D/P 1 operated: TRZ1, ZM1, ZM2, ZM3, PSN, PST, CSZ D/P 2 Operated: Power swing trip, Dist. PU Loop L3-E, Dist. PU L3-1E **Remote End**-D/P operated in Zone-II, IL3= 1.064 kA,FD= 140.6 km				
			14:16	14:22	00:06	160MVA Auto Transformer-II	only Master trip relay operated.				
			16:07	18:59	02:52	220kV Budhipadar - Korba Ckt-I	**Local End**-D/P 1 operated: TRZ1, ZM1, ZM2, ZM3, PSS, PST, CSZ D/P 2 Operated: Dist. Gen Trip, Relay trip L2, Relay Trip L3, Zone-1, FD= 23.6 kms,D[%]=14.1%, IL2=8.72 kA, IL3= 8.77 kA **Remote End-** D/P operated in Zone-II, IL3= 1.064 kA,FD= 140.6 km				
55	TTPS	20.03.22	13:38	14:35	00:57	220kV TTPS-Kaniha feeder	DP Relay, R-E, Zone-1, Distance-15.84Km, Ir=5.655KA, Iy=393.1A, Ib=344.8A				
56	Budhipadar	20.03.22	19:10	19:13	00:03	160MVA Auto Transformer-II	only Master trip relay operated.				
57	Budhipadar	21.03.22	12:47	22-03-2022 14:32	25:45	132kV Budhipadar-Jharsuguda Ckt-II	**Local End**-B/U (MICOM P442):- Yph, Zone-1, no distance recorded. **Remote End-** Yph, E/F,Zone-1, IA=126A, IB=8.72kA, IC=162.7A, FD=285.4m,Y ph insulator string brusted at Loc. No. 165.			The feeder declared faulty.	
58	Budhipadar	21.03.22	12:47	13:26	00:39	220/132/33kV 160MVA Auto Trf-II	Only master relay tripped.				
59	Bolangir	22.03.22	11:34	11:47	00:13	132kV Bolangir New-Patnagarh Ckt-II	Tripped on distance protection. DP relay details:-(1) IA=244.8A, IB=4.87KA, IC=3.88KA (2) Trip Zone-I (3) Trip distance 15.20KM			132KV Bolangir New-Patnagarh Ckt-I is in service to meet the load demand of GSS Patnagarh, Padampur & Nuapada.	
60	Jayanagar	22.03.22	11:38	13:01	01:23	220kV Balimela ckt-II	B-G,Z1,14.29KM,4.67KA				
			11:38	12:02	00:24	220kV Balimela ckt-I	O/C ,B phase,766A				
61	Choudwar	22.03.22	12:12	12:38	00:26	132 kV Choudwar-Bidanasi Line	O/C B Phase at Choudwar end Fault current IC=4.93 KA				
62	Jaleswar	22.03.22	12:33	12:47	00:14	132 kV Jaleswar-Bhograi Line	Tripped From both the end				
63	Nuapatna	22.03.22	12:55	13:08	00:13	132kV Nuapatna-Arati line	R ,Y, B phase O/C				
64	Theruvalli	22.03.22	14:08	14:10	00:02	220kV Therubali-Bhanjanagar Ckt-2	C-N,Z-1, 113.6KM, Ia=232.4A,Ib=47A,Ic=1.41KA			Charged and stood ok.	
65	Kamakyanagar	23.03.22	02:01	02:37	00:36	132 kV OPCL-Kamakhyanagar	DP & MT-86, 3 ph			TTPS-OPCL incomer breaker tripped at OPCL end.	
66	Banki	23.03.22	12:10	12:35	00:25	132kV Atri-Banki	Tripped at Atri end				
67	Lapanga	23.03.22	12:26	16:39	04:13	400kV OPGC- Lapanga ckt-I	**Lapanga End**- Zone-1, Y-B Ph,Iy=15KA, Ib=16.1KA,				
			12:46	17:53	05:07	400kV OPGC- Lapanga ckt-II	**Lapanga End**- Zone-2, R-E,If=8.35KA, Distance-21Km				
68	Bolangir	23.03.22	13:56	14:08	00:12	160MVA Auto-III	Tripped from 132KV side on overcurrent & earth fault. Relay Details:- IL1=357.6A, IL2=2.554KA, IL3=215.3A			160MVA Auto-I & II were in service to meet the grid demand.	
69	Lapanga	23.03.22	16:44	19:03	02:19	400kV OPGC- Lapanga ckt-I	**Lapanga End**- Zone-1, Y-B Ph,Iy=14KA, Distance-20Km **OPGC End-** Y-B Ph, If=16KA, Distance-1.5Km				
70	Nimapara	24.03.22	23:49	07:11 25.03.22	07:22	132kV Nimapara-Chandaka Feeder	Z1, B-Ph to E/F, Distance-23Km , Ia-227.7A, Ib-562.4A, Ic-3.73KA				
71	Meramundali	25.03.22	14:00	14:51	00:51	220kV Meramundali- Goda	RYB,IR=7.64 KA,IY=7.6 KA,IB=5.1 KA,Dist=33.06 km				
72	Kesinga	25.03.22	20:30	12:30 26.03.22	16:00	132kV Theruvalli feeder	E/F				
73	Narendrapur	25.03.22	23:15	23:26	00:11	100MVA Auto Trf-III	Tripped on differential protection operated and 86A relay operated.Siemens SIPROTEC 7UT61) IL1-0.00PU,IL2-0.45PU ,IL3-0.45PU			Due to cable fault .	
			23:26	13:00 26.03.22	13:34		Tripped on differential protection operated and 86A relay operated.Siemens SIPROTEC 7UT61) IL1-0.01PU,IL2-0.38PU ,IL3-0.38PU.Then L/C requisition by SDO TLS Narendrapur for attending to break down differential relay 4 core cable.				
74	Bargarh	27.03.22	00:02	00:12	00:10	132 kV Katapali Feeder	Earth Fault	Thuapali			
75	Bargarh	27.03.22	11:48	12:02	00:14	132 kV Katapali Feeder	Earth Fault				
76	Meramundali	27.03.22	12:03	20:00	07:57	400kV Meramundali- Lapanga II	**Meramundali End**-Main-I:-B-E,SOTF,IB=2.22 KA,Dist= -522.1 KM,Z3 Main-II:-B-E,IB=2.22 KA,Dist=-523.9 KM **Lapanga End**-B-E,Z1,IB= 3.7 KA,Dist= 73.2 KM			No fault found by Lapanga.	
77	Budhipadar	27.03.22	15:37	22:31	06:54	220 kV Budhipadar Lapanga Ckt-II	D/P Relay (Micom)- Started phase A B C, Tripped phase B-N (Yph-E), Zone 2 trip, Dist.-16.09km, Ia=1.345kA, Ib=10.36kA, Ic=1.216kA,Yph insulator string burst at Loc. No.50/2.			The feeader declared faulty.	
78	Meramundali	28.03.22	13:17	18:06	04:49	400kV Meramundali- Lapanga II	**Meramundali End**-Main-I:-B-E,SOTF,IB=2.26 KA,Dist=110.8 KM Main-II:-B-E,SOTF,IB=2.25 KA,Dist= 110.3 KM **Lapanga End**-B-E,Z1,IB= 4.06 KA,Dist= 79 KM			No fault found	
79	New Duburi	28.03.22	14:17	17:53	03:36	400 kV New Duburi- Meramundali Ckt I	**FACIA** MAIN-1 & MAIN 2 Protection Operated,MAIN-2 LBB Relay Optd, B/U Protection Oerated Relay Operated, CB Pole Discrepency Optd **MAIN-1 DP** General Trip, R PH Trip, Y PH Trip , B PH Trip, ZONE-1B Trip ,A/R Blocked, PU TIME= 433ms , TRIP TIME=29 ms, DIST=65.3 KM, IL1=0.41 KA, IL2=0.35 KA, IL3=2.73 KA. **MAIN-2 DP** General Trip, B PH Picked up,ZONE-1, ZONE-1B Trip ,A/R Blocked, PU TIME= 369 ms , TRIP TIME=15 ms, DIST=64.9 KM, IL1=0.21 KA, IL2=0.21 KA, IL3=2.72 KA. **B/UP RELAY** General Trip , B-PH P/U , E/F P/U , LBB TRIP IN K-67 RELAY			No physical fault was found at the said location. at 17:53 hrs the said feeder was charged through tie cb as main cb(52a breaker) will be charged after necessary testing. inthe said fault 52 a cb , b pole didn't tripped resulting lbb.	
			14:17	15:50	01:33	400 kV New Duburi- Pandiabil Ckt I	**FACIA**-Line CB Auto Trip Optd, LBB trip relay operated , K 96 OPTD **MAIN-1 DP**= B phase pick up .**MAIN-2 DP**-No Indication **B/UP RELAY**- K-96 RELAY operated			The said feeder was charged through its main cb only as tie cb was on s/d for 125 mvar reactor commissioning .	

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)
			14:17	17:53	03:36	400kV Meramundali-Duburi II	**Meramundali End**-Main-I:-B-E,IB= 5.57 KA Dist= 27.3 KM Main-II:-B-E,IB= 5 KA,Dist= 27 KM **Lapanga End-** Main-I:-B-E,IB= 2.73 KA,Dist= 65.3 KM Main-II:-B-E,IB= 2.72 KA,Dist= 64.9 KM [Tree fault]			Tree fault found by Line S/D,Meramundali	
80	Nuapada	28.03.22	16:26	16:37	00:11	132 kV Nuapada Khariar line	Distance protection operated. Zone 01, Distance=37.50 km from Nuapada, Ia=12.79A, Ib=13.36A, Ic=525.9A.				
81	Budhipadar	29.03.22	15:34	15:37	00:03	132 kV side of 220/132/33kV Auto Trf-II	Only on M/T.				
82	Narendrapur	30.03.22	03:00	31-03-2022 '20:26	41:26	220kV Atri - Narendrapur Ckt-II	Tripped on distance fault.Main-I(MicomP442)C to N ,Zone-1, Dist-22.13 km Ia=113.1A, Ib=424.9A, & Ic=2.984KA, Main-Ii(MicomP444) C to N, Zone-1, Dist-22.14km, Ia=110.9A, Ib=424.3A, & Ic=2.976KA . At Atri End Main-1(Micomp442) Y-B Trip, Zone-1, 113.6 km Ia=245.2A, Ib=2.006KA, & Ic=1.807KA.Then L/C requisition by SDO TLS Narendrapur.			The circuit was decleared breakdown due to failure of B-Phase disc insulator string at location No-81.6nos. Of disc insulator string in circuit-II and 3nos. of disc insulator string in Ckt-I were replaced by long rod insulator and both the feeder were charged.	
83	Chainpal	31.03.22	06:29	06:59	00:30	132kV Chainpal-Angul Feeder	Tripped on O/C Y phase & earth fault ,with D.P indication 4.713Km & ZI ,Remote end: fault loop L2N, FAULAT CURRENT 2.8Ka, Fault distance 9.86 km				
84	Bonai	31.03.22	11:34	12:13	00:39	220kV Bonai - Bimlagarh RTSS	Tripped on distance protection R-Y Phase	Bimlagarh RTSS			
85	Laxmipur	31.03.22	11:51	07:23 01.04.22	19:32	220kV Laxmipur-Adiya Ckt-I	Tripped in B-Ph E/F, Z-3				
86	Bargarh	31.03.22	17:20	18:28	01:08	220 kV Bargarh New- New Bolangir	Over current				
			18:28	19:07	00:39		E/F trip and due cunsultation with E&MR & SLDC				

SYSTEM DISTURBANCE IN THE MONTH OF MARCH- 2022

(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	Pottangi	01.03.22	10:53	10:59	00:06	132kV Podagada-Pottangi Feeder	P/S failed from Podagada end due to tripped on E/F Y,B ph	Pottangi	00:16		0.000821115
			11:32	11:37	00:05						
			12:41	12:46	00:05						
2	Tusura	01.03.22	12:28	12:30	00:02	132kV Deogaon RTSS Feeder	O/C, IL1-0.2KA,IL3-0.2 KA	Deogaon RTSS	00:02		0.000108271
3	Baripada	01.03.22	20:02	21:00	00:58	132kV PGCIL(Baripada)-OPTCL(Baripada) Line Breaker Tripped at Baripada Grid end only	Relay Indication Details: Master Trip Relay, Back Up Relay Indication:Relay Trip.O/C L1,O/C L2,O/C L3,IL1=1.68 KA,IL2=1.91 KA,IL3=1.99KA	Baripada	00:58	33 kV Medical Feeder VCB couldn't Tripped & it Pulled out 132 Kv PGCIL Incomer Breaker & 33 Kv side of Trf No.I,II & III	0.017703578
4	Narendrapur	02.03.22	09:01	09:02	00:01	132kV Jagannathpur Traction Feeder	Tripped on directional O/C.Ir-0.23KAmp ,Ib-0.23KAmp	Jagannathpur Traction	00:01		8.6815E-05
5	Tusura	02.03.22	10:41	10:42	00:01	132kV Deogaon RTSS Feeder	O/C, IL1-0.2KA,IL3-0.2 KA	Deogaon RTSS	00:02		0.000108271
			11:41	11:42	00:01						
6	Muniguda	02.03.22	17:40	17:41	00:01	132 kV RTSS Bisam-Cuttack	Over Current Ia= 210.6 A, Ib= 208.4 A	Bisam-Cuttack RTSS	00:01	Charged and stood ok.	9.57892E-05
7	Barpalli	03.03.22	08:58	09:11	00:13	132kV Barpalli - Dungurpalli RTSS	O/C,B Phase	Dungurpalli RTSS	00:13		0.000918087
8	Bhawanipatna	04.03.22	07:28	07:31	00:03	132kV Lanjigarh RTSS Feeder	O/C	Lanjigarh RTSS	00:03		0.000236425
9	Barpali	04.03.22	20:43	20:46	00:03	132kV Barpali - Dungurpalli RTSS	O/C,B Phase	Dungurpalli RTSS	00:03		0.000211866
10	Bhawanipatna	04.03.22	22:10	22:13	00:03	132kVBhawanipatna - Lanjigarh RTSS	O/C	Lanjigarh RTSS	00:03		0.000236425
11	Muniguda	04.03.22	22:13	22:14	00:01	132 kV RTSS Bisam-Cuttack Feeder	Over Current Ia= 209.6 A, Ib= 207.2 A	Bisam-Cuttack RTSS	00:01	Charged and stood ok.	9.57892E-05
12	Muniguda	05.03.22	09:39	09:41	00:02	132 kV RTSS Bisam-Cuttack	Over Current Ia= 218.6A, Ib= 216.2 A	Bisam-Cuttack RTSS	00:02	Charged and stood ok.	0.000191578
13	Bhawanipatna	05.03.22	17:53	17:56	00:03	Kesinga I/C	Failure from source	Bhawanipatna, Lanjigarh RTSS	00:03	Failed from Kesinga	0.000841611
14	Tusura	06.03.22	09:21	09:23	00:02	132kV RTSS Deogaon Feeder	O/C, IL1-0.2KA,IL3-0.2 KA	Deogaon RTSS	00:02		0.000108271
15	Tusura	06.03.22	13:13	13:15	00:02	132kV RTSS Deogaon Feeder	O/C,IL1-0.2KA,IL3-0.2 KA	Deogaon RTSS	00:02		0.000108271
16	Bhawanipatna	06.03.22	14:30	14:38	00:08	132kV Lanjigarh RTSS	O/C & E/F	Lanjigarh RTSS	00:08		0.000630467
17	Muniguda	06.03.22	14:32	14:33	00:01	132 kV RTSS Bisam-Cuttack	Over Current Ia= 212.8A, Ib= 210.6 A	Bisam-Cuttack RTSS	00:01	Charged and stood ok.	9.57892E-05
18	Tusura	07.03.22	19:00	19:05	00:05	132kV Deogaon RTSS Feeder	O/C, IL1-0.2KA,IL3-0.2 KA	Deogaon RTSS	00:05		0.000270678
19	Kesinga	08.03.22	21:08	21:11	00:03	132 kV Kesinga RTSS	O/C	Kesinga RTSS	00:03		0.000176606
20	Tusura	09.03.22	10:20	10:22	00:02	132kV Deogaon RTSS Feeder	O/C, IL1-0.2KA,IL3-0.2 KA	Deogaon RTSS	00:02		0.000108271
21	Muniguda	09.03.22	12:10	12:11	00:01	132 kV RTSS Bisam-Cuttack	Over Current Ia= 212.6A, Ib= 210.2 A	Bisam-Cuttack RTSS	00:01	Charged and stood ok.	9.57892E-05
22	Joda	09.03.22	13:39	13:50	00:11	220kV Joda-TSIL Feeder	Tripped at Joda end with following relay indication: Inter connection relay tripped indication,Fault current: Ia=0,Ib=0A,Ic=9.229A	TSIL	00:11		4.92832E-09
23	Muniguda	09.03.22	15:12	15:13	00:01	132 kV RTSS Bisam-Cuttack	Over Current Ia= 212.0 A, Ib= 209.6 A	Bisam-Cuttack RTSS	00:01	Charged and stood ok.	9.57892E-05
24	Khajuriakata	10.03.22	13:22	14:57	01:35	132 kV Khajuriakata-Meramundali Line	**Local End**:- No tripping **Remote End**:-Yph-Bph-G, If;-10.9KA; Z-1; Dist:5.45km	Khajuriakata	01:35	Jungle fire near Kharagprasad grid	0.007261829
25	Pottangi	10.03.22	09:39	10:22	00:43	132kV Podagada-Pottangi Feeder	P/S failed from Podagada end due to Machkund supply failed from jayanagar Grid S/S	Pottangi	00:43		0.002206747
26	Palasponga	14.03.22	10:25	10:28	00:03	132kV RTSS-Karanjia Feeder	Back up relay- O/C (R PH), Ia=242.6A, Ib=160.3A, Ic=107.1A,Inm = 6.61A, Ind= 6.195A	Karanjia RTSS	00:03	O/C TRIP	0.000306569
27	Bhadrak	14.03.22	11:31	12:03	00:32	132 kV Bhadrak-DPCL-II	Tripped on zone-I, started phase B-C, tripped phase ABC, fault location=11.29 KM, IA=19.09A, IB=05.610KA, IC=5.519KA	DPCL-II(Trc)	00:32	Bay charged and stood ok.	0.001625338
28	Laxmipur	14.03.22	12:10	14:12	02:02	220kV Laxmipur-Aditya Ckt-I	Tripped in Z-2, location:32.6km	Utkal Alumina	02:02		0.001635685
29	Muniguda	14.03.22	20:14	20:15	00:01	132 kV RTSS Bisam-Cuttack	Over Current Ia= 212.0 A, Ib= 209.6 A	Bisam-Cuttack RTSS	00:01	Charged and stood ok.	9.57892E-05
30	Bargarh	15.03.22	16:25	18:49	02:24	160 MVA AUTO TRF	Differential protection operated(Buchholz and differential relay) with current valueIA-604.5A, IB-1020.6A & IC-392.55A	Bargarh,ACC Ghenss	00:50 01:46	After duly checking AUTO TRF along with E& MR it was confirmed that the buchholz relay didn't tripped only the differential operated.	0.135050943
			16:25	17:15	00:50	220 kV Bargarh New- New Bolangir	the above line tripped at local end only(BACK UP RELAY OPERATED)			The B/U setting has H/S values very low after consulating with E&MR the concered feeder charged and stood OK	
			16:26	17:06	00:40	132 kV Katapali Feeder	Earth Fault				
			16:26	18:59	02:33	132 kV Bargarh New Feeder					
31	Theruvali	16.03.22	12:33	21:49	09:16	132kV Theruvali - Rayagada Feeder	AB-T, Ia=4.06KA,Ib=3.9KA, Ic=125A (R-ph conuctor snapped near gantry)	Rayagada,Rayagada Tr.	00:58	Charged and stood ok.	0.00020444
			12:42	14:26	01:44	220kV Therubali-Bhanjanagar Ckt-1	A-N,Z-1,135.8KM, Ia=1.26KA,Ib=30.6A,Ic=53A				
			13:25	14:19	00:54	220/132kV Auto Transformer-2	H/T - Due to conductor snapping, small Bushes and dry grasses caught fire and fire started to spread towards 220KV Main Bus-2.				
			13:26	15:28	02:02	220/132kV Auto Transformer-3					
32	Muniguda	16.03.22	13:04	13:05	00:01	132 kV Bisam RTSS-Cuttack	Over Current Ia= 213 A, Ib= 210.6 A	Bisam-Cuttack RTSS	00:01	Charged and stood ok.	9.57892E-05
33	Mania	16.03.22	16:09	16:11	00:02	132kV ICCL- Mania	Trip,Instantaneous,Breaker Failure	Mania	00:02		0.001770126
			16:09	16:22	00:13	132kV OCL- Mania		OCL	00:13		
34	Narendrapur	16.03.22	22:40	22:41	00:01	132kV Jagannathpur Traction Feeder	Tripped on R & B phase directional O/C.	Jagannathpur Tr	00:01		8.6815E-05
35	Barpalli	17.03.22	15:39	15:43	00:04	132kV Dungurpalli RTSS	O/C,B Phase	Dungurpalli RTSS	00:04		0.000282488
36	Marshaghai	18.03.22	10:19	11:25	01:06	132 kV Paradeep-Marshagai Feeder	Incomer Failure	Marshaghai, Kendrapara Tr., Olaver,Pattamundai,Chandabali	00:22		0.022637259
			10:20	10:41	00:21	132kV Kendrapara -Marshaghai Ckt-I	P/S failed from Paradeep end(Source Failure)				
			10:20	11:21	01:01	132kV Kendrapara -Paradeep Ckt-II	P/S failed from Paradeep end(Source Failure)				
			10:20	10:42	00:22	132 kV Kendrapara-Pattamundai SC line	Failed from Paradeep Grid due to failure of 20 MVA 132/33 KV TRF at Paradeep Grid.				
			10:19	10:44	00:25	Olaver -Chandbali Line 1 & 2	Source Fail				
37	Jagatsinghpur	18.03.22	10:20	10:32	00:12	132kV Jagatsinghpur- Tirtol Feeder	132KV power supply fail from Paradeep	Jagatsinghpur GSS, Gorekhnath TSS	00:10	Alternate P/S availed from Cuttack at 10:30 HRS	0.003271999
38	Tirtol	18.03.22	10:20	11:50	01:30	132kV Tirtol-Paradeep Feeder	Supply Failure	Tirtol,Jagatsinghpur, Jagatsinghpur Tr.	00:13		0.009114752
			10:20	10:32	00:12	132kV Tirtol- Jagatsinghpur Feeder					
39	Palasponga	18.03.22	10:52	10:56	00:04	132kV Karanjia RTSS Feeder	Back up relay- O/C (R PH), Ia=247.3A, Ib=152.7A, Ic=118.3A,Inm = 6.792A, Ind= 5.653A	Karanjia RTSS	00:04		0.000408759
40	Palasponga	20.03.22	02:16	02:19	00:03	132kV Karanjia RTSS Feeder	Back up relay- O/C (R PH), Ia=240.2A, Ib=161.5A, Ic=88.59A,Inm = 6.823A, Ind= 5.516A,O/C TRIP	Karanjia RTSS	00:03		0.000306569
41	Palasponga	21.03.22	07:18	07:21	00:03	132kV Karanjia RTSS Feeder	Back up relay- O/C (R PH), Ia=240.3A, Ib=151.2A, Ic=114.1A,Inm = 6.5A, Ind= 5.25A,O/C TRIP	Karanjia RTSS	00:03		0.000306569
42	Dhenkanal	22.03.22	11:26	12:51	01:25	132kV Dhenkanal-Meramundali Feeder	**Local End**-only B/U relay operated with Fault loop-A-N,Fault Current-Ir=222.5A,Iy=367.1A,Ib=390.1A,In=179.5A. **Remote End**-B/U relay operated with Ir=1.6KA.	Dhenkanal,Joranda Tr	00:38	PS failure to the station as 132KV DKL-NPTN-K.KATA T-line has been already in S/D condition and 132KV DKL-Khuntuni line is drawing power from DKL end(Khuntuni-ICCL is in	0.026554906
			11:46	12:51	01:05	132kV Dhenkanal- Khuntuni Feeder	Power Supply failure				
						132kV Dhenkanal-Joronda Road Feeder					
43	Muniguda	22.03.22	18:09	18:10	00:01	132 kV Bisam RTSS -Cuttack	Over Current Ia= 215.4A, Ib= 213 A	Bisam-Cuttack RTSS	00:04	Charged and stood ok.	0.000383157
			18:15	18:16	00:01		Over Current Ia= 217.0 A, Ib= 214.4 A				
			18:29	18:31	00:02		Over Current Ia= 211.2 A, Ib= 208.8 A				
44	Cuttack	23.03.22	07:37	07:40	00:03	132 kV Choudwar-Bidanasi Line	Tripped on O/C Y phase ZONE-3 IB-2.03 KA	Cuttack	00:18		0.012456406
			07:37	07:57	00:20	220 kV Bidanasi-Cuttack Ckt I & II	R-ph O/C .DP relay(Micom ALSTOM)--Zone4,Dist-1.042km,Ia=598A,Ib=24.96A,Ic=103.4A,Van=5.713KV,Vbn=118kv,Vcn=109.9kv. DP relay(SIEMENS)-Zone-4,Dist-0.7km, Ia=2.23kA,Ib=0.15kA,Ic=0.33kA,R-ph O/C .DP relay(Micom ALSTOM)--Zone-4, Dist--1.082km, AN,Ia=0A, Ib=0A,Ic=0A, Van=5.72KV,Vbn=21kv,Vcn=109kv. DP relay(SIEMENS)-Zone-4,Dist-0.7km,Ia=0A, Ib=0.A, Ic=0.A				
			07:37	07:45	00:08	132kV Cuttack- Phulnakhara feeder	Tripped on O/C R,Y,B-ph & E/F , Fault current:- Ia=2692A, Ib=2497A, Ic=838A, In=1276A				
45	Tusura	23.03.22	13:58	14:00	00:02	132kV Bolangir - Tusura Feeder	Incoming supply failure	Saintala,Tusura, Acme,Deogaon Tr. Khariar, Kantabanji,Kantabanji Tr.	00:02		0.002182227
46	Palasponga	23.03.22	14:06	14:08	00:02	132kV RTSS-KaranjiaFeeder	Back up relay- O/C (R PH), Ia=239.9A, Ib=122.1A, Ic=138.7A,Inm = 6.725A, Ind= 5.928A,O/C TRIP	Palasponga RTSS	00:02		0.000204379
47	Chandaka	23.03.22	16:36	19:29	02:53	132kV Chandaka-Bhubaneswar Ckt-II	B-ph E/F, If-15.8KA	Ransinghpur, Nimapara, Konark,Mancheswar	00:05		0.013943297
			16:36	16:44	00:08	All Auto Transformers	pulled out due to above fault				
		23.03.22	16:40	16:42	00:02	132kV Samanagara-Satasankha feeeder I & II	Source Fail				
		23.03.22	16:40	16:45	00:05	132kV Konark-Nimapara Feeder					
		23.03.22	16:40	16:47	00:07	132kV Nimapara-Chandaka Feeder					
		23.03.22	16:40	16:42	00:02	132kV Samangara-Nimapara Feeder					
		23.03.22	16:40	16:45	00:05	132kV Mancheswar- Phulnakhara feeder					
		23.03.22	16:40	16:46	00:06	132kV Ransinghpur- Chandaka					

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)
48	Tusura	24.03.22	03:05	03:07	00:02	132kV Bolangir - Tusura Feeder	Incoming supply failure	Saintala,Tusura, Acme,Deogaon Tr. Khariar, Kantabanji, Kantabanji Tr.	00:02		0.002182227
49	Muniguda	24.03.22	07:49	07:50	00:01	132 kV RTSS Bisam-Cuttack	Over Current Ia= 213.0 A, Ib= 210.4 A	Bisam-Cuttack RTSS	00:01	Charged and stood ok.	9.57892E-05
50	Chandpur	25.03.22	10:38	10:52	00:14	132kV Chandpur-Atri	Failed from Atri end. **At Chandpur grid end** Breaker not tripped. Indication at Chandpur grid end. Distance pick-up B-E,distance=3.4km, IL1=0.16KA,IL2=0.24KA,IL3=0.21KA, **At Atri end** breaker tripped. Indication comes,Zone-2,C-,Ic=2.076KA ,distance=41.16Km,Monkey fault	Balugaon,Solari Tr.	00:14		0.000628094
51	Muniguda	26.03.22	18:30	18:31	00:01	132 kV Bisam RTSS -Cuttack	Over Current Ia= 211.8 A, Ib= 210.4 A	Bisam-Cuttack RTSS	00:01	Charged and stood ok.	9.57892E-05
52	Muniguda	27.03.22	07:16	07:17	00:01	132 kV Bisam RTSS -Cuttack	Over Current Ia= 213.6 A, Ib= 211.4 A	Bisam-Cuttack RTSS	00:01	Charged and stood ok.	9.57892E-05
53	Sambalpur	27.03.22	11:36	12:03	00:27	132 kV Sambalpur-Shyam DRI Feeder	Distance protection operated,Z1, 'B' phase P/U, Fault Dist= 23.33Km, Ia= 247A, Ib=296A, Ic= 2613A & In= 2383A.	Shyam DRI	00:14		0.00166589
54	New Duburi	27.03.22	12:33	13:48	01:15	220 kV New Duburi- Old Duburi Ckt I	FACIA- Direct Trip Received CH-1/2, GR A/B TRIP RELAY OPTD. **MAIN-1 DP** General Trip,R PH PU,Y PH PU,B PH PU,PU TIME-130ms,DTT TRIP,DEFINITIVE TRIP, IL1=0.25KA, IL2=0.45KA,IL3=2.13KA,MAIN-2 DP,NO DATA	Duburi	01:07		0.016717348
		27.03.22	12:33	13:28	00:55	220kV Meramundali-Duburi II	Tripped from Duburi end only.				
55	Meramundali	27.03.22	12:46	20:10	07:24	400kV Meramundali- Lapanga I	Main-I:-Y-E,IY=1.89 KA,Dist=244 KM,Z2 Main-II:-Y-E,IY=1.89 KA,Dist=243.8 KM,Z2	Lapanga RTSS,Lapanga	00:40		0.030577465
56	Jharsuguda	27.03.22	12:47	13:04	00:17	132 kV Jharsuguda- Budhipadar ckt-1	incomming suply fail at b.padar end	Jharsuguda, Jharsuguda Tr.			
		27.03.22	12:47	13:21	00:34	132 kV Jharsuguda- Budhipadar ckt-2		Ultratech	00:30		
		27.03.22	12:47	13:04	00:17	132 kV Jharsuguda-Ultratech Feeder	due to incomming supply failed at both b.padar and lapanga end.				
		27.03.22	12:47	13:19	00:32	132 kV Jharsuguda-Railway Feeder		SMC Power			
		27.03.22	12:47	16:11	03:24	132 kV Jharsuguda-Lapanga Feeder	supply failed failed from Lapanga end.				
57	Lapanga	27.03.22	12:47	13:27	00:40	132kV Lapanga RTSS Feeder	Black out at 400/220/132/33KV GSS Lapanga	Aryan Ispat	00:15		
		27.03.22	12:47	16:01	03:14	132kV ARYAN Feeder					
		27.03.22	12:47	16:04	03:17	132kV SMC Feeder		Aryan Viraj	00:19		
		27.03.22	12:48	18:21	05:33	400kV Lapanga- Vedanta Ckt-I	Bus bar fault, Lapanga grid black out		00:26		
		27.03.22	12:48	18:38	05:50	400kV Lapanga- Vedanta Ckt-II					
58	Budhipadar	27.03.22	12:48	15:59	03:11	132kV Budhipadar Lapanga	B/U-7SJ62 (Siemens)-Relay Trip, Dir. L1 PU, Dir. L2 PU, Dir. E/F Trip, IL1=1.68kA, IL2=1.52kA, M/T				
		27.03.22	12:48	13:01	00:13	132kV Budhipadar Jharsuguda Ckt-I	B/U-7SJ62 (Siemens)-Relay Trip, Dir. L1 PU, Dir. L2 PU, Dir. L3 PU, Dir. E/F Trip, IL1=1.48kA, IL2=1.32kA, IL3=0.73kA, M/T				
		27.03.22	12:48	13:21	00:33	132kV Budhipadar Jharsuguda Ckt-II	B/U-7SJ62 (Siemens)-Relay Trip, Dir. L1 PU, Dir. L2 PU, Dir. L3 PU, Dir. E/F Trip, IL1=3.52kA, IL2=3.28kA, IL3=1.13kA, M/T				
59	Jayanagar	28.03.22	13:00	13:57	00:57	132kV Jayanagar Traction Feeder	B-G,Z1,9KM,3.9KA	Jayanagar Tr	00:57	Charging delayed due to backfeed in Y,B phase from RE	0.010801168
60	Muniguda	28.03.22	15:24	15:25	00:01	132 kV Bisam RTSS-Cuttack	Over Current Ia= 210.4 A, Ib= 208.0 A	Bisam-Cuttack RTSS	00:01	Charged and stood ok.	9.57892E-05
61	Muniguda	28.03.22	22:11	22:12	00:01	132 kV Bisam RTSS-Cuttack	Over Current Ia= 211.2 A, Ib= 208.4 A	Bisam-Cuttack RTSS	00:01	Charged and stood ok.	9.57892E-05
62	Boinda	30.03.22	07:06	07:08	00:02	132 kV Rairakhol-Boinda Feeder	Earth Fault	Boinda,Boinda Tr.	00:25	Charged and stood ok.	0.005709603
			07:07	07:32	00:25	132 kV Angul-Boinda	Tripped on DP Relay.Fault loop-L3N,Fault current -3.8KA, Fault abs. distance-18.06KM				
63	Palasponga	30.03.22	07:48	07:50	00:02	132kV Karanjia RTSS Feeder	Back up relay- O/C (R PH), Ia=240A, Ib=211.1A, Ic=33.4A,Inm = 6.917A, Ind= 5.519A,O/C TRIP	Karanjia RTSS	00:02		0.000204379
64	Budhipadar	30.03.22	11:13	11:44	00:31	220 kV Budhipadar- Lephripada	D/P2 relay operated(SIEMEN)- Zone 2 trip, Bph Trip, Dist.=42.4km, IL3=2.75kA	Basundhara	00:31		0.001096135
65	Umerkote	30.03.22	19:26	19:31	00:05	132kV Dabugaon - Umerkote Line	Due to Incomer SF6 C.B. tripped on O/C-R PH	Umerkote	00:05		0.002024202
66	Digapahandi	31.03.22	13:22	13:59	00:37	132kV Digapahandi-Mohona Feeder	Fault type-BGT,ZONE-1 loc-29.85KM , A-194,B-1577,C-181,G-1267	Mohona	00:37		0.003220011
67	Umerkote	31.03.22	19:27	19:32	00:05	132kV Dabugaon Umerkote Line	Due to Incomer SF6 C.B. tripped on O/C-R PH	Umerkote	00:05		0.002024202

AUTO TRANSFORMER LOADING FOR THE MONTH OF MARCH'2022

Name of the 220 kV Sub-Station (Feeding Sub-stations/Feeders)	Capacity	Drawal details						REMARKS
		Maximum			Minimum			
	MVA	MW	Day	Time	MW	Day	Time	
ATRI	2x160	92.60	25th Mar 2022	13:00	26.20	2nd Mar 2022	04:15	
{ Banki, Khurda, Chandpur & Argul}		92.68	25th Mar 2022	13:00	26.08	2nd Mar 2022	04:15	
ASKA NEW	2x160	102.68	16th Mar 2022	18:15	1.88	6th Mar 2022	11:30	
		101.40	16th Mar 2022	18:15	4.04	6th Mar 2022	11:30	
BALASORE 220/132 KV	3x160	60.60	31st Mar 2022	00:00	27.68	1st Mar 2022	20:30	
{ Balasore, Birla Tyre(I), Ispat Alloy(I),		57.76	29th Mar 2022	20:30	28.04	1st Mar 2022	21:30	
Jaleswar, Jaleswar(T)}		59.72	31st Mar 2022	00:00	27.20	1st Mar 2022	20:30	
BARGARH 220/132 kV	1x100	129.68	29th Mar 2022	20:30	10.68	8th Mar 2022	09:45	
	1x160	28.16	4th Mar 2022	06:45	6.12	8th Mar 2022	09:45	
BHADRAK 220/132 KV	1x100	33.92	27th Mar 2022	13:15	9.24	16th Mar 2022	09:30	
{Bargarh, Ghensh}	1x160	59.28	30th Mar 2022	14:15	16.20	16th Mar 2022	09:30	
	1x160	59.76	30th Mar 2022	14:15	19.44	3rd Mar 2022	10:15	
BHANJANAGAR 220/132 KV	1x160	62.40	24th Mar 2022	19:00	3.36	30th Mar 2022	16:30	
{ Bhanjanagar, Aska, Phulbani,	1x160	54.88	24th Mar 2022	19:00	2.68	30th Mar 2022	16:30	
BIDANASI 220/132 KV	1x100	39.48	22nd Mar 2022	11:45	0.04	17th Mar 2022	13:30	
{Bidanasi, Khurda }	1x100	39.24	22nd Mar 2022	11:45	0.04	1st Mar 2022	00:00	
	1x160	56.08	22nd Mar 2022	11:45	0.04	10th Mar 2022	03:15	
BOLANGIR (SADAIPALLI) 220/132 KV	2x160	108.40	2nd Mar 2022	18:45	0.24	10th Mar 2022	12:30	
		108.40	2nd Mar 2022	18:45	0.24	10th Mar 2022	12:30	
{ Bolangir, Patnagarh, Sonepur,		113.92	2nd Mar 2022	18:45	0.28	10th Mar 2022	12:30	
BUDHIPADAR 220/132 KV	2x160	100.52	20th Mar 2022	18:15	42.20	15th Mar 2022	06:30	
{ Jharsuguda, Jharsuguda Tr,		103.36	31st Mar 2022	00:00	18.60	1st Mar 2022	06:45	
CHANDAKA 220/132 KV	1x100	74.40	21st Mar 2022	11:30	25.20	8th Mar 2022	03:30	
{ Chandaka, Bhubaneswar, Nimapada,	1x160	130.88	21st Mar 2022	11:30	44.80	8th Mar 2022	03:30	
Ransinghpur, Puri,Kesura, Kaipadar	1x100	81.92	21st Mar 2022	11:30	27.88	8th Mar 2022	03:30	
Tr. }	1x160	126.36	21st Mar 2022	11:30	43.04	8th Mar 2022	03:30	
CUTTACK	1x160	73.08	16th Mar 2022	15:45	0.04	2nd Mar 2022	00:15	
	1x100	45.04	16th Mar 2022	15:45	0.08	1st Mar 2022	10:45	
DUBURI 220/132 KV	1x160	88.80	27th Mar 2022	20:30	34.64	5th Mar 2022	16:30	
{Duburi, Bamnipal(I), BRPL, MESCO,	1x100	UNDER SHUT DOWN						
Jajpur Road, Kalarangi, Jajpur Town}	1x100	53.92	27th Mar 2022	20:30	20.88	5th Mar 2022	16:30	
GODA	1x160							
	1x160							
Gunupur	1x160							
	1x160							
JAYAPATNA 220/132 KV.								
JAYANAGAR 220/132 KV.	1x160	56.40	11th Mar 2022	19:15	2.80	28th Mar 2022	12:15	
[Damanjodi(NALCO), Traction S/Ss,	1x160	56.36	11th Mar 2022	19:15	4.00	28th Mar 2022	13:30	
JODA 220/132 KV	3x160	1.56	23rd Mar 2022	17:00	0.00	1st Mar 2022	00:00	*"*" - Alternate P/S*
{ Joda,Tensa, FAP(I), Bolani(I), Nalda	3x160	94.36	26th Mar 2022	19:30	44.64	7th Mar 2022	13:00	*from Kuchei.*
*Tr.,Polasponga, *Rairangpur,*	3x100	76.56	26th Mar 2022	19:30	35.76	7th Mar 2022	13:00	
KATAPALI 220/132 KV	1x100	35.32	16th Mar 2022	15:30	0.04	5th Mar 2022	19:45	*Supported by Burla*
{Chipilima,Bargarh, ACC,Sonepur &	1x100	35.24	16th Mar 2022	15:30	0.04	5th Mar 2022	18:30	*& Chipilima power.*
Katapali area load.}	1x160	53.00	16th Mar 2022	15:30	0.04	7th Mar 2022	16:15	
KESINGA	2x160	76.88	5th Mar 2022	20:30	0.00	6th Mar 2022	13:45	
LAPANGA	2x160	71.44	31st Mar 2022	00:00	23.12	16th Mar 2022	14:45	
{Kuchinda, Aryan Viraj, Shyam		71.40	20th Mar 2022	18:15	23.00	16th Mar 2022	14:45	
MERAMUNDALI 220/132 kV	3x100	41.76	31st Mar 2022	00:00	0.04	22nd Mar 2022	12:00	
{Meramundali Traction, Dhenkanal,		40.32	31st Mar 2022	00:00	0.24	2nd Mar 2022	12:45	
Navchrome(I), Hind Metal, Aarti,BRG}		0.00	1st Mar 2022	00:00	0.00	1st Mar 2022	00:00	
Mendhasal *{ Part area load of Khurda*	2x100	51.06	17th Mar 2022	15:00	0.01	25th Mar 2022	12:00	
S/S}		41.88	6th Mar 2022	12:00	0.08	25th Mar 2022	12:00	
NARENDRAPUR 220/132KV	2x160	95.80	23rd Mar 2022	11:30	32.12	1st Mar 2022	02:00	
{ Narendrapur, NarendrapurTr,		92.92	23rd Mar 2022	11:30	31.04	1st Mar 2022	02:00	
Berhampur, Chhatrapur, Ganjam,	1x100	53.56	23rd Mar 2022	11:30	12.88	16th Mar 2022	10:15	
PARDEEP 220/132 KV	1x100	54.28	27th Mar 2022	22:00	17.36	20th Mar 2022	07:00	
{ Paradeep, Kendrapada, Pattamundai,	1x160	98.60	29th Mar 2022	15:00	28.68	20th Mar 2022	07:00	
Chandikhol, Cuttack, Jagatsinghpur,	1x160	97.48	29th Mar 2022	19:00	30.76	20th Mar 2022	07:00	
Pratapsasan	1x160							
TARKERA 220/132 KV	4x100	56.88	30th Mar 2022	21:00	30.92	2nd Mar 2022	03:00	
[Rourkela, Rourkela Tr.,RSP(I),		63.36	28th Mar 2022	10:15	32.12	2nd Mar 2022	03:00	
Chhend , Adhunik Metal, Rajgangpur,		61.04	28th Mar 2022	10:15	30.48	2nd Mar 2022	03:00	
OCL(I), Rajgangpur Tr.]		61.80	28th Mar 2022	10:15	31.52	6th Mar 2022	14:30	
THERUVALLI 220/132 KV.	2x100	47.96	3rd Mar 2022	19:00	1.36	23rd Mar 2022	13:00	*Rayagada &*
{Theruvali, IMFAL(I), JK(I), Junagarh,		50.40	3rd Mar 2022	19:00	0.60	23rd Mar 2022	13:00	*Paralakhemundi can be*
Kesinga,Powmex(I), Rayagada, }	1x160	77.88	3rd Mar 2022	19:00	0.48	23rd Mar 2022	13:00	*fed from Machhkund system.*
TTPS 220/132 KV	1x160							
{ Chainpal, FCI (I), Angul, MCL	1x160							
SAMANGARA	2x160							
{ Puri, Nimapara & Konark}								

STATEMENT OF UFR OPERATION IN GRIDCO SYSTEM DURING THE MONTH OF MARCH-2022

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 MARCH- 2022		
Sl. No	**Date**	**Details of event**
1	05-03-2022	220kV Bolangir New-Kesinga Line
2	09-03-2022	220kV Bolangir PG -Kesinga Line
3	17-03-2022	132/33kV GIS Hirakud having connectivity from132kV Burla PH-Lapanga Ckt-I (from Lapanga end only) along with 132/33kV 40MVA Transformer.
4	18-03-2022	132/33kV 40MVA Power Transformer No-I at Pratapsasan Grid S/s.
5	23-03-2022	220/132kV 160MVA Auto Transformer No-II at Pratapsasan Grid S/s.
6	23-03-2022 28-03-2022	400/220/33kV 500MVA ICT-I at Meramundali-B GIS S/S
7	25-03-2022	Re-energization of 132/11kV BRG Iron & Steel plant through 132kV Meramundali-BRG line.
8	30-03-2022	132kV LILO lines from loc. no-71 of existing 132kV ICCL-Salipur line for proposed 132/33kV Bahugram Grid S/s.
9	30-03-2022 04-02-2022	220kV LILO lines from loc. no-191 of existing 220kV Therubali-Narendrapur Ckt-I to 220/132/33kV Grid S/s, Gunupur along with 05 nos of 220kV Bays, 02 nos of 220/132kV 160MVA Auto Transformers at 220/132/33kV Grid S/s, Gunupur.
10	31-03-2022	132kV 2-Phase Paradeep-Sijju Traction Line
11	31-03-2022	220/132kV 160MVA Auto Transformer No-I at 220/132/33kV Grid S/s, Joda