

# **SYSTEM PERFORMANCE REPORT**



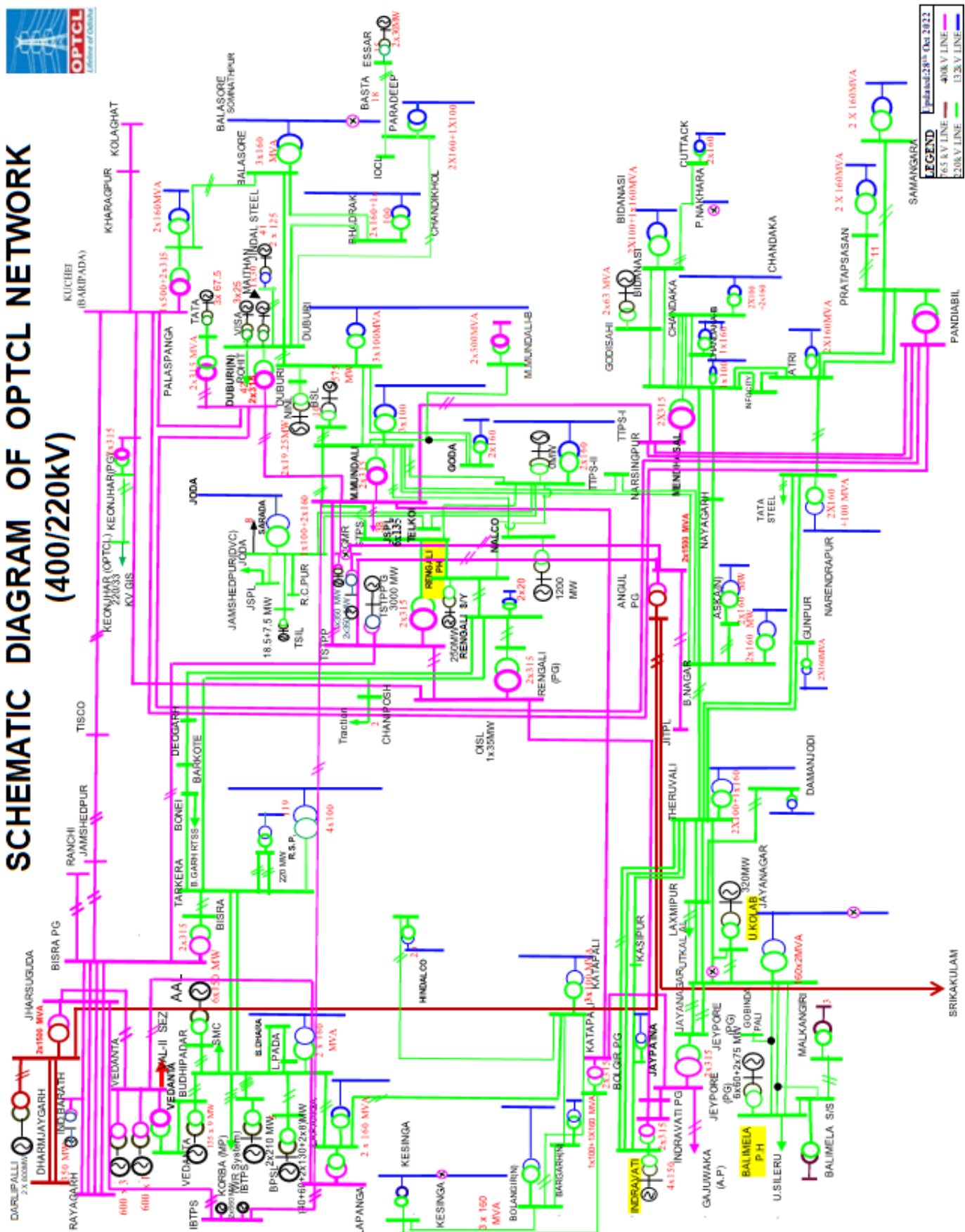
**FEBRUARY'2023**

SLDC, OPTCL  
BHUBANESWAR – 17

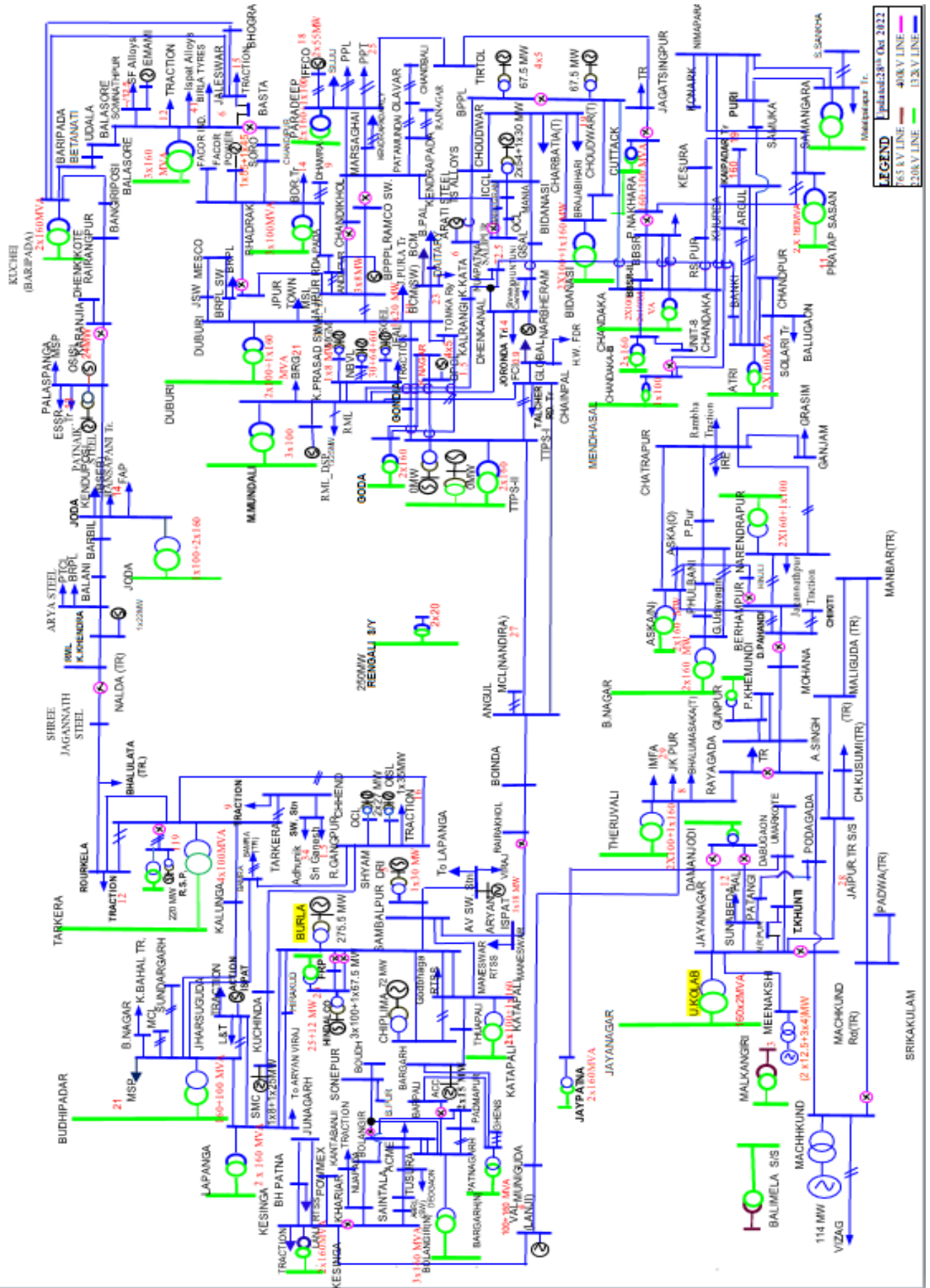
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SCHEMATIC DIAGRAM OF OPTCL NETWORK  
(400/220kV)



# SCHEMATIC DIAGRAM OF OPTCL NETWORK (132kV)



## SUMMARY REPORT FOR FEBRUARY- 2023

### A. Voltage Profile

#### 220 KV

			<u>Date &amp; Time</u>	<u>Location</u>
Maxm.	-	250.33 kV	13.02.2023 13:00Hrs	Malkangiri
		>240 KV		Balimela, Laxmipur, Bhadrak, Budhipadar
Minm.	-	207.44 kV	23.02.2023 09:15 Hrs	Bargarh
		< 200 KV		Nil.
<u>132 KV</u>	Maxm.	143.06 kV	17.02.2023 04:00 Hrs	Theruvali
		>145 KV		Nil.
	Minm.	112.09KV	10.02.2023 16:30 Hrs	Nuapada
		< 120 KV		Balasore, Bargarh, Bhadrak, Jajpur Town, Kantabanji, Khariar, Jaleswar, Nuapada, Puri

### B. Frequency Profile

			<u>Date &amp; Time</u>
Maxm.	-	50.40 Hz	10.02.23 11:02 Hrs.
Minm.	-	49.54 Hz	15.02.23 15:42 Hrs.
Average	-	49.99 Hz	

% of time the freq. is within 49.9 Hz to 50.05 Hz (IEGC band) -	65.45%
% of time the freq. is > 50.05 HZ -	23.37%
% of time the freq. is ≤49.9 HZ -	11.18%
% of time the freq. is < 48.5 HZ -	0.00%

### C. Demand Profile

Peak System Demand	5525.66 MW	At 20:00 Hrs on 20.02.23
Minimum System Demand	3323.45 MW	At 03:00 Hrs on 15.02.23
Average System Demand	4292.09 MW	

### D. Major events

Sl. No	Date	Details of event
1	17-02-2023	At 17:18hrs, 132kV 2-Phase SC line was charged from 132/33kV GSS, Kamakhyanagar for extension of P/S to RTSS Kamakhyanagar.
2	17-02-2023	At 21:01hrs 400kV GMR-Meramundali B SC Line & at 20:58hrs, 400kV Meramundali B-Meramundali A line were charged after LILO of 400kV GMR-Meramundali A SC Line at Meramundali B GIS.
3	28-02-2023	At 18:15hrs and at 18:16hrs, 132/33kV 20MVA Power Transformer No-II & 01 no 132kV feeder bay were charged at 132/33KV GSS, Birmaharajpur.

### 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 2x43.65 = 87.3 1x37.5 = 37.5	287.8	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
	<b>TOTAL HYDRO (A)</b>	<b>2099.8</b>		
2	O.P.G.C.			
	IB TPS	2x210 = 420	342.09 (Auxilliary 9.5 %, Availability 90%)	342.09 (Auxilliary 9.5 %, Availability 90%)
	IB TPS-Stage-II	2x660 = 1320	833.085 (Share 75%, Auxilliary 6.25 %, Availability 90%)	835.312 (Share 75%, Auxilliary 6.25 %, Availability 90%)
	<b>TOTAL THERMAL (B)</b>	<b>1740</b>		

#### CENTRAL SECTOR GENERATION

SL.NO.	NAME OF POWER STATION	INSTALLED CAPACITY	OPTCL'S SHARE OF INSTALLED CAPACITY ON REALTIME BASIS.		AUX. CONS.	% AGE AVAILABILITY (excluding UA)
			% age	MW	%	%
1	CHUKHA (BHUTAN)	4 x 84 = 336 (Considering 270 MW, total availability )	15.19	41.00		85
2	TALA HEP (BHUTAN)	6 x 170 = 1020	4.25	43.40		
3	FARAKKA (WEST BENGAL)*	3 x 200 = 600 2 x 500 = 1000 1 x 500 = 500	- 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 4 x 500 = 2000	31.8 10	318.00 200.00	7.5 7.5	85
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	-	-		
9	DARLIPALI STPS	2X800	58.82	941.18		
	<b>TOTAL ISGS</b>			<b>1849.96</b>		

GRAND TOTAL, (A) + (B) + (C) = 5689.76

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

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

**CAPACITY OF IPP, CPP, SMALL HYDRO & RENEWABLE**

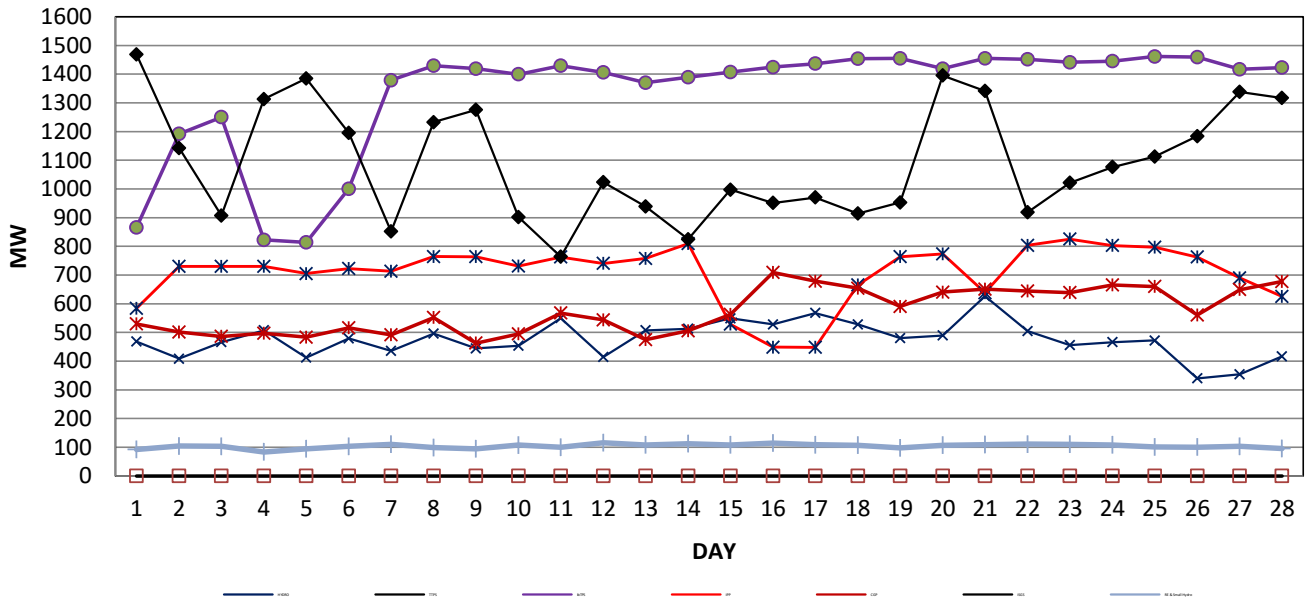
Sl.No	POWER STATION	INSTALLED CAPACITY	TOTAL	TYPE	VOLTAGE LEVEL
<b>IPP &amp; SMALL HYDRO</b>					
1	MEENAKSHI POWER LTD.	3 X 4 + 2 X 12.5	37	SMALL HYDRO	132 kV
2	ORISSA POWER CONSORTIUM LTD.	4 X 5	20	SMALL HYDRO	132 kV
3	VEDANTA LTD., JHARSUGUDA(IPP)	1 X 600	600	THERMAL	400kV
4	GMR KAMALANGA ENERGY LTD.	3 X 350	1050	THERMAL	400kV
5	NBVL (MERAMUNDALI)	1 X 60=60	60	THERMAL	132 kV
6	JITPL			THERMAL	400kV
7	BPPPL	3X8=24	24	SMALL HYDRO	132kV
8	SAPTADHARA SHEP	3X6=18	18	SMALL HYDRO	33kV
9	KAKATIYA	1 X 4.5	4.5	SMALL HYDRO	33kV
		<b>TOTAL</b>	<b>1813.5</b>		
<b>CPP</b>					
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	400 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. LTD.	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
		<b>TOTAL</b>	<b>10013</b>		

**RENEWABLE PROJECTS**

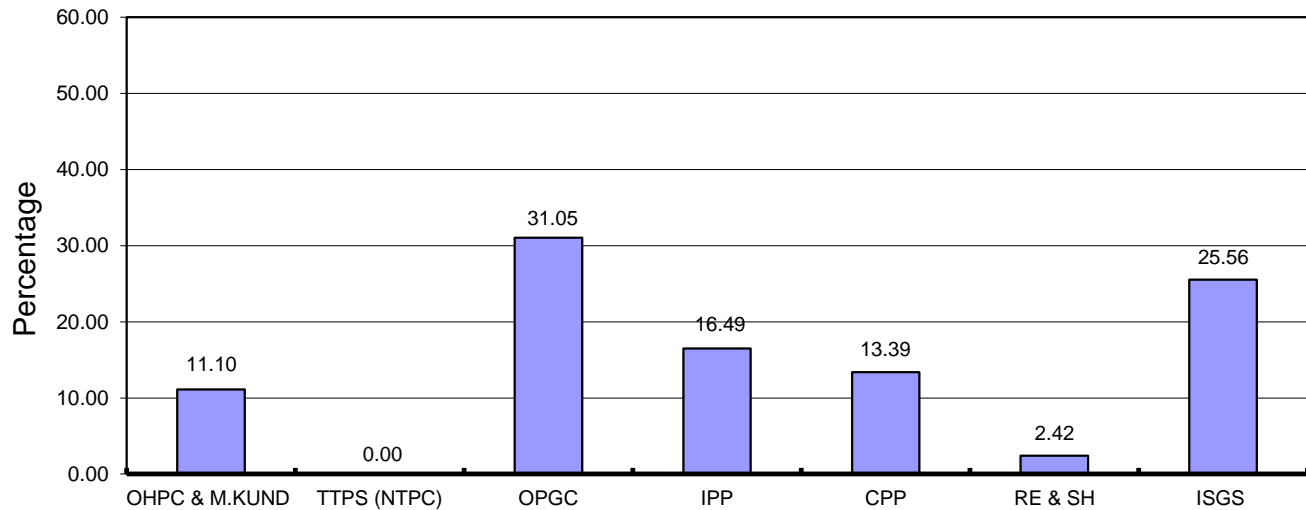
Sl.No	POWER STATION	INSTALLED CAPACITY	TOTAL	TYPE		CONNECTIVITY VOLTAGE
1	ABACUS HOLDINGS PVT. LTD, SONEPUR	1 MW	1	SOLAR		11 KV
2	AFTAAB SOLAR PVT. LTD. .BOLANGIR (N)	5 MW	5	SOLAR		33 KV
3	ALEX GREEN ENERGY PVT LTD. PATNAGARH	5 MW	5	SOLAR		33 kV
4	JAY IRON & STEEL, BAMARA	1 MW	1	SOLAR		11 KV
5	J.K. PAPER 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	OCL SOLAR, SALIPUR	10 MW	10	SOLAR	SELF	11 kV
10	VIVACITY R.E PVT. LTD , CHANDPUR	1 MW	1	SOLAR		11 KV
11	RAAJRATNA ENERGY PVT. LTD. BOLANGIR (N)	1 MW	1	SOLAR		11 KV
12	S. N. MOHANTY, BARANGA, CHANDAKA	1 MW	1	SOLAR		11 KV
13	SHALIVAHAN GREEN ENERGY LTD.	20 MW	20	BIOMASS		132 KV
14	MAHAVIR FERRO ALLOYS (SOLAR), BANEI	1 MW	1	SOLAR		33 KV
15	MCL, BURLA, KATAPALI	2 MW	2	SOLAR	SELF	11 kV
16	ACME SOLAR, MURSING, BOLANGIR-SAINTALA	25 MW	25	SOLAR		132 kV
17	GEDCOL, MANMUNDA, SONEPUR	20 MW	20	SOLAR		33 kV
18	JYOTI SOLAR SOLUTIONS(P) LTD	10 MW	10	SOLAR		33 kV
19	SADIPALI SOLAR	20 MW	20	SOLAR		33 kV
20	BEL, SAINTALA	7.5 MW	7.5	SOLAR		132 kV
21	DAKSHIN ODISHA URGU PVT. LTD, PADMAPUR	40 MW	40	SOLAR		132 kV
22	VENTO POWER& ENERGY LTD, Dendugoda, KESINGA	2x40 MW	80	SOLAR		132 kV
23	VENTO POWER& ENERGY LTD, Tusara	2x40 MW	80	SOLAR		132 kV
24	VENTO POWER& ENERGY LTD, Tentulikhunti	1x40 MW	40	SOLAR		132 kV
25	IMFA SOLAR, Theruvali	4.5 MW	4.5	SOLAR	SELF	33 kV
26	ADITYA BIRLA RENEWABLES LTD, BOUDH	25 MW	25	SOLAR		
27	ADITYA BIRLA RENEWABLES LTD, BARGARH(N)	25 MW	25	SOLAR		33 kV
28	ADITYA BIRLA RENEWABLES LTD, SAINTALA	25 MW	25	SOLAR		132 kV
		<b>TOTAL</b>	<b>479.5</b>			
	<b>GRAND TOTAL ( SMALL HYDRO,IPP &amp; CPP )</b>		<b>17995.76</b>			



### PERFORMANCE OF GENERATION & EXCHANGE FOR THE MONTH OF FEBRUARY'2023

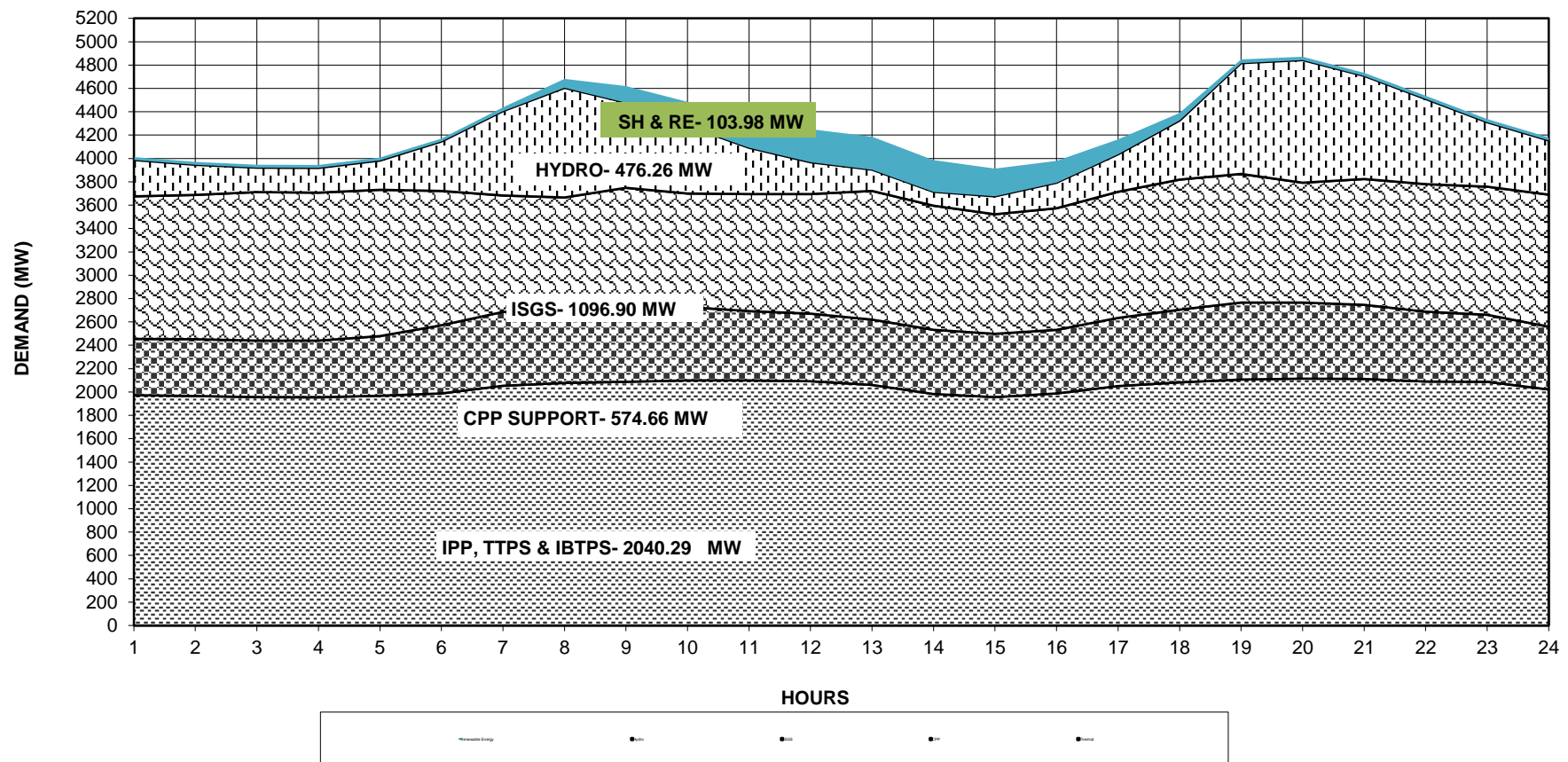


### PERFORMANCE OF GENERATORS & ISGS DRAWAL DURING FEBRUARY'2023 GRID DEMAND= 2884.28 MU

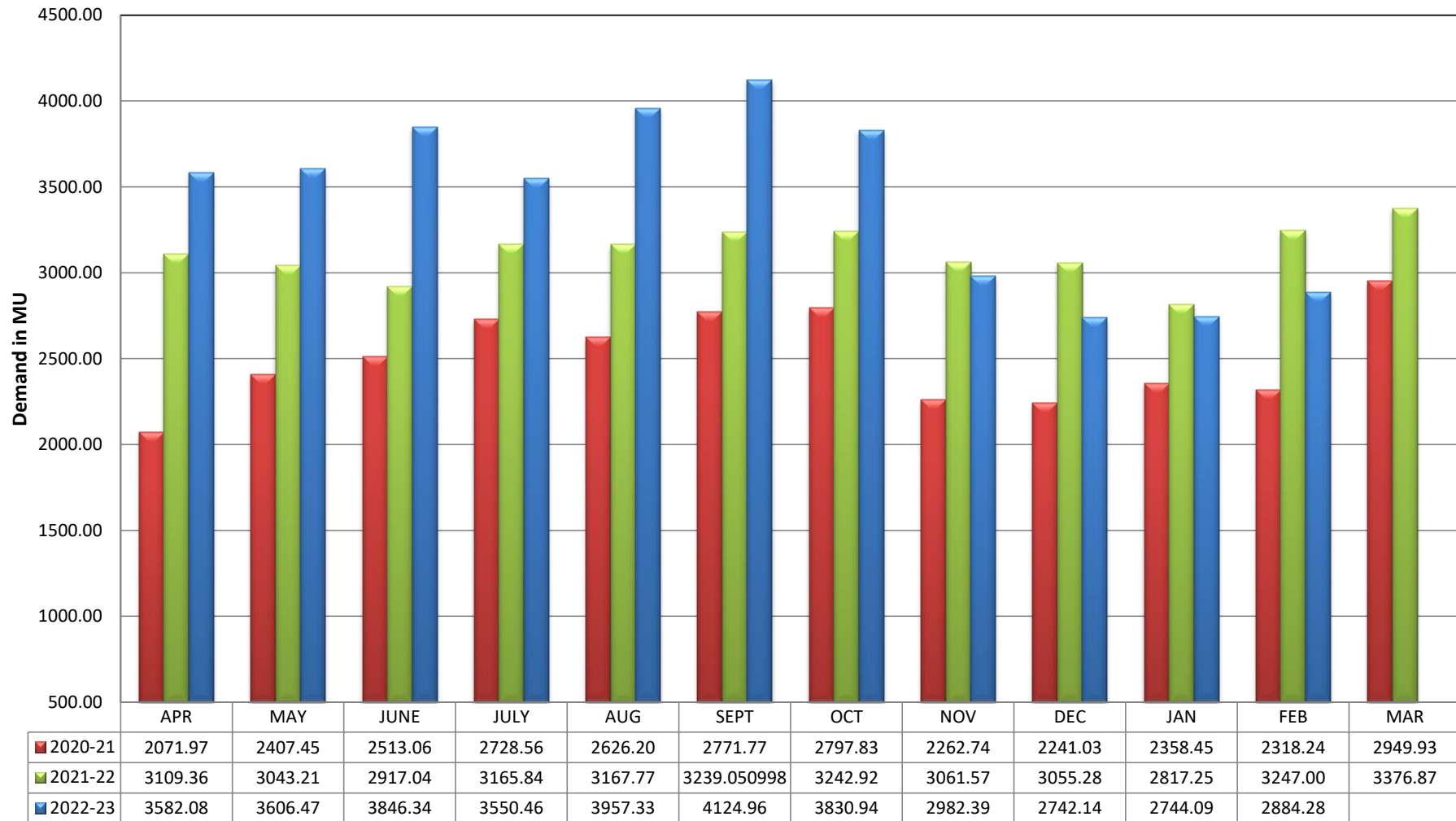


## AVERAGE GRID DEMAND [HOURLY] FOR THE MONTH OF FEBRUARY'2022

Average Demand= 4292.09 MW



## COMPARISION SYSTEM DEMAND WITH PREVIOUS FINANCIAL YEAR



# MONTHLY GENERATION & DEMAND REPORT FOR THE STATE OF ODISHA IN THE MONTH OF FEBRUARY- 2023

## (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	1.439	0.202	1.203	3.787	5.954	6.911	1.254	0.000	20.750	30.878	0.117	160.65	11	07:00
2	Chipilima	3.554	2.723	6.931	-	-	-	-	-	13.208	19.655	0.028	37.72	21	18:00
4	Balimela	6.660	3.227	0.000	0.000	21.581	11.092	2.495	1.930	46.984	69.917	0.469	362.39	21	20:00
5	Rengali	9.642	0.000	10.015	10.228	8.643	-	-	-	38.528	57.333	0.090	199.72	11	09:00
6	Upper Kolab	28.051	26.527	1.491	23.553	-	-	-	-	79.622	118.485	0.273	281.14	1	24:00
7	Upper Indravati	34.714	35.648	37.354	0.000	-	-	-	-	107.716	160.291	1.424	450.65	11	20:00
8	Total Hydro (OHPC)	-	-	-	-	-	-	-	-	306.808	456.559	-	-	-	-
9	Machhakund (Orissa drawal)	-	-	-	-	-	-	-	-	17.166	25.545	-	43.86	24	06:00
10	Total Hydro	-	-	-	-	-	-	-	-	323.974	482.104	-	1397.72	21	20:00
11	TTPS-I	-	-	-	-	-	-	-	-	0.000	0.000	-	0.00	1	01:00
12	TTPS-II	-	-	-	-	-	-	-	-	0.000	0.000	-	0.00	1	01:00
13	Total TTPS	-	-	-	-	-	-	-	-	0.000	0.000	0.000	0.00	1	01:00
14	IBTPS-I	117.57	128.717	-	-	-	-	-	-	246.290	366.503	26.652	1468.29	26.00	05:00
15	IBTPS-II	-	-	348.485	377.614	-	-	-	-	726.099	1080.504	39.698	-	-	-
16	Total IBTPS	-	-	-	-	-	-	-	-	972.389	1447.007	-	-	-	-
17	IPPs & CGPs Support	-	-	-	-	-	-	-	-	914.011	1360.135	-	-	-	-
18	Total Thermal & IPPs & CGP	-	-	-	-	-	-	-	-	1886.400	2807.142	-	3071.80	25	19:00
19	Injection by Renewable projects	73.448	-	-	-	-	-	-	-	73.448	109.298	-	-	-	-
20	Total self generation	-	-	-	-	-	-	-	-	2283.821	3398.544	68.752	4223.23	8	08:00

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 :-

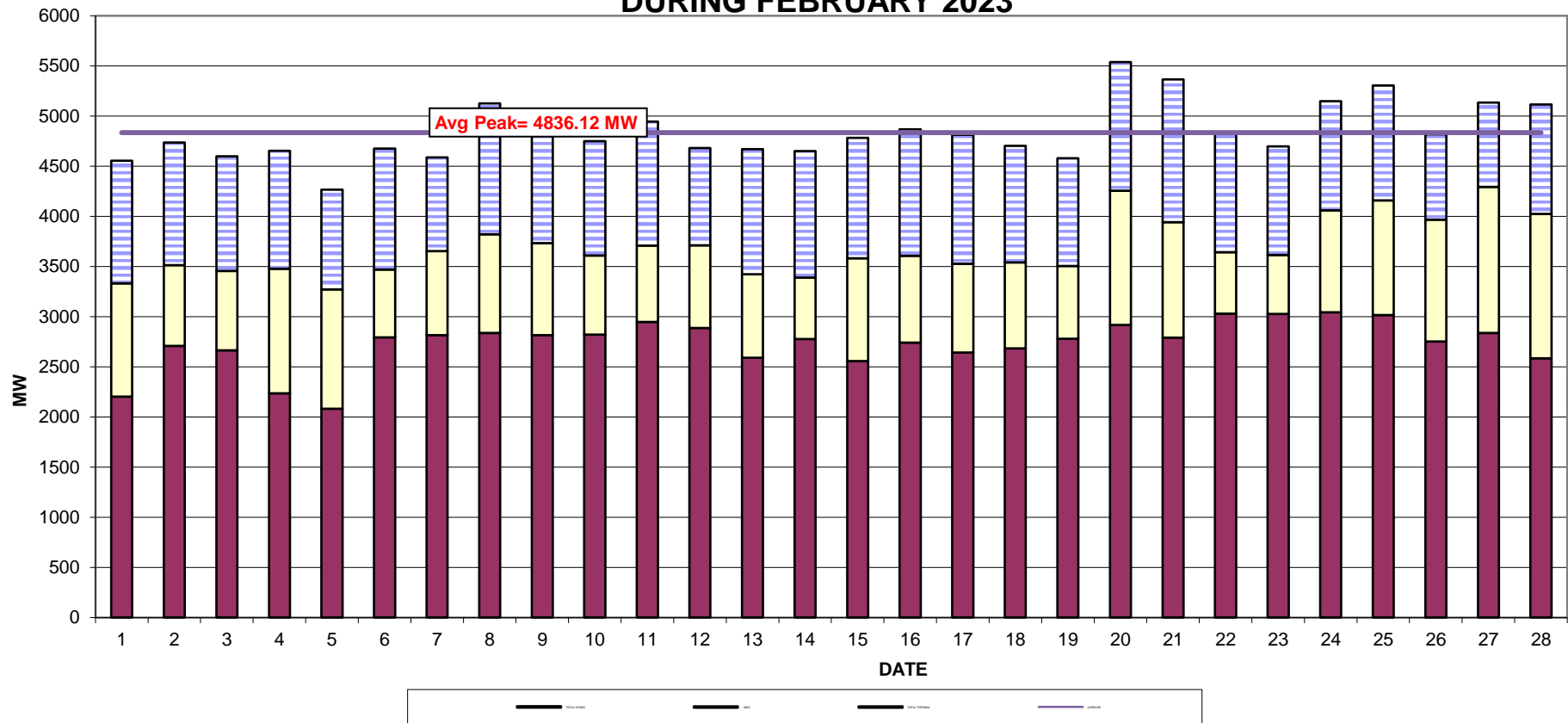
## (C)EXCHANGE OF ENERGY WITH CENTRAL SECTOR

SL No.	Name of IPP / CGPs	Injection in ( MU)	Average (MW)	Maximum Injection (MW)	DATE	TIME (Hr.)	Name of the Tie line	Net MU	Avg MW	Maximum Import (MW)	DATE	TIME	Maximum Export (MW)	DATE	TIME
1	Aarti Steel Ltd, ghanikhal	13.293	19.781	20.00	8	12:00	132KV JODA-KENDUPOSI	-16.60	-24.71	0.00	9	12:00	-36.85	15	20:00
2	AAL	0.596	0.887				132KV KALABADIA-BANGIRIPOSI	25.99	38.68	54.36	9	11:00	6.48	2	15:00
3	Action Ispat	0.000	0.000				132KV KALABADIA-BARIPADA	0.00	0.00	0.00	1	01:00	0.00	1	01:00
4	Aryan Ispat,	5.173	7.698				132 KV BHOGRAI-KUCHEI	12.65	18.82	31.05	3	09:00	10.59	17	07:00
5	BPPL	66.779	99.374	124.80	18	06:00	132 KV JALESWAR-KUCHEI	17.40	25.90	44.36	3	09:00	16.24	17	07:00
6	BPSL, Jharsuguda	4.391	6.535	36.43	14	13:00	220KV JODA-JAMSHEDPUR	-0.12	-0.18	50.65	2	15:00	-52.39	9	11:00
7	TSBSL, Meramundali	41.408	61.619	181.71	16	20:00	220KV JODA-RAMCHANDRAPUR	72.45	107.82	152.96	3	09:00	51.24	9	16:00
8	GMR Kamalanga Energy Ltd.(IPP)	169.950	252.902				220KV RENGALI SY- RENGALI P-G-I	20.73	30.85	66.59	28	16:00	-17.03	3	07:00
9	HINDALCO, Hirakud	2.016	3.000				220KV RENGALI SY- RENGALI P-G-II	21.92	32.63	69.52	28	16:00	-17.57	3	07:00
10	IFFCO, Paradeep	0.0001	0.000				220KV JAYANAGAR JEYPORE PG-I	-10.30	-15.33	26.18	27	12:00	-82.85	1	08:00
11	IMFA , Choudwar	19.453	28.948	48.00	25	06:00	220KV JAYANAGAR JEYPORE PG-II	-18.30	-27.23	26.67	26	14:00	-108.65	8	21:00
12	JINDAL, New Duburi	2.230	3.319	20.61	9	20:00	220KV RENGALI P.H-KANIHA	-33.84	-50.36	0.34	2	24:00	-145.40	4	19:00
13	JSP, Angul	17.564	26.137	4.36	25	23:00	220KV TTPS-KANIHA	47.81	71.14	120.88	8	10:00	-0.15	11	18:00
14	Mahavir Ferro Alloys	0.000	0.000				220KV MERAMUNDALI-KANIHA-I	44.73	66.56	138.33	11	22:00	34.55	2	05:00
15	Maithan Ispat Ltd.	2.290	3.407				220KV MERAMUNDALI-KANIHA-II	44.45	66.15	137.57	11	22:00	34.57	2	05:00
16	Meenakshi Power Ltd. (SH)	9.482	14.110				220KV TARAKARA-BISRA-I & II	120.01	178.59	329.47	1	08:00	99.85	13	15:00
17	MSP, Jharsuguda	0.000	0.000				220 KV KALABADIA-BALASORE-I&II	136.57	203.23	285.22	25	20:00	-1.36	3	10:00
18	NALCO , Angul	11.716	17.435	66.35	20	16:00	220KV KATAPALI- BOLANGIR(PG)	-3.06	-4.56	1.45	27	10:00	-11.84	23	09:00
19	Narberham	0.610	0.908				220KV SADEIPALI - BOLANGIR(PG)	97.74	145.45	288.47	20	19:00	-46.20	11	14:00
20	NBVL , Kharag Prasad	60.204	89.589	111.90	28	20:00	220KV BUDHIPADAR-KORBA-I	-101.90	-151.64	-64.65	2	02:00	-214.29	5	09:00
21	NINL , Duburi	0.000	0.000				220KV BUDHIPADAR-KORBA-II	-5.73	-8.52	6.69	20	04:00	-214.29	5	09:00
22	OCL	6.410	9.538				220KV BUDHIPADAR-KORBA-III	-10.69	-15.90	49.68	9	04:00	-61.71	27	11:00
23	OPCL, Samal (SH)	7.319	10.891				220KV ATRI- PANDIVIL	108.16	160.95	254.90	27	16:00	-73.36	5	09:00
24	BPPLT	0.674	1.003				220KVSAMANGHARA- PANDIVIL	0.00	0.00	0.06	5	02:00	93.66	16	15:00
25	Saptadhara	0.267	0.398				220KV KEONJHAR GR-KEONJHAR PG-I	3.04	4.53	6.63	9	09:00	1.49	9	09:00
26	Kakatiya	3.658	5.443				220KV KEONJHAR GR-KEONJHAR PG-II	2.94	4.37	6.63	9	09:00	0.00	9	09:00
27	PSAL, Keonjhar	0.000	0.000				400KV INDRAVATI P.H-P.G	-11.57	-17.22	80.16	27	12:00	-160.42	2	19:00
28	RSP , Rourkela	0.206	0.306				400KV MERAMUNDALI-KANIHA	328.72	489.16	886.99	28	20:00	34.31	2	05:00
29	Shree Ganesh	0.331	0.493				400KV MERAMUNDALI-ANGUL I&II	0.34	0.51	7.17	15	21:00	-4.67	28	07:00
30	Shyam Metalics	0.045	0.067				400KV MENDHASAL - PANDIABIL-I &II	-55.37	-82.40	0.65	1	16:00	-183.71	24	22:00
31	SMC Power	0.000	0.000				400KV DUBURI - PANDIABIL	-77.75	-115.69	0.00	27	10:00	-124.05	6	04:00
32	TSLPL	12.128	18.048				400KV DUBURI - BARIPADA	52.87	78.67	81.14	28	23:00	75.66	1	11:00
33	Vedanta Ltd. (IPP-Unit-2)	290.312	432.012				400KV VEDANTA-JHARSUGUDA Ckt-I	17.22	25.62	222.65	1	03:00	-95.30	23	08:00
34	Vedanta, Jharsuguda	157.812	234.839				400KV VEDANTA-JHARSUGUDA Ckt-II	17.18	25.57	223.05	1	03:00	-95.63	23	08:00
35	Vedanta, Lanjigarh	0.238	0.354				400KV_OPGC-JHARS PG - I	-82.67	-123.02	89.39	1	03:00	-229.61	23	08:00
36	VISA Steel, New-Duburi	7.448	11.083	13.30	28	24:00	400KV_OPGC-JHARS PG - II	-83.80	-124.71	89.81	1	03:00	-297.22	28	08:00
37	Yazdani Steel & Power Ltd., J.J Rd	0.007	0.011				220KV JAYANAGAR JEYPORE PG-III & IV	-11.51	-17.13	42.09	26	14:00	-176.99	12	03:00
38	Vedanta Ltd. (3*600)	0.000	0.000				220KV KESINGA- BOLANGIR PG	4.67	6.95	19.66	10	11:00	-5.68	1	23:00
	Total support from CPPs	914.011	1360.135				220KV PRATAPSASAN-PANDIABIL CKT-I	29.81	44.36	65.27	25	13:00	28.18	7	03:00
							220KV PRATAPSASAN-PANDIABIL CKT-II	29.98	44.61	63.21	24	11:00	26.24	6	04:00
							Net ISGS	734.16	1092.50	1869.37	1	05:00	390.51	11.00	11:00

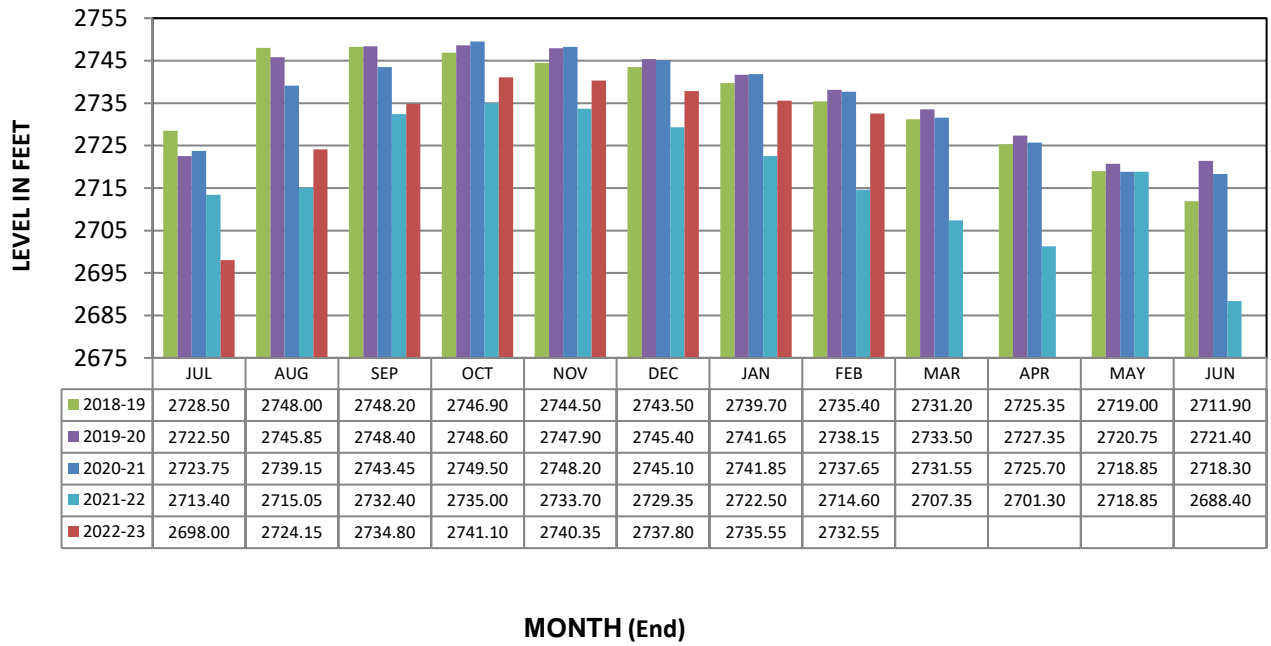
## ABSTRACT OF SYSTEM DEMAND

Particulars	Energy MU	Average MW	Peak MW	DATE	TIME
Total gross generation( Including CPP+IPP)	2108.467	2833.961	4223.23	8	08:00
Power Station Auxiliary consumption	76.576	102.925			
Total net generation( Including CPP+IPP)	2031.891	2731.036	4211.37	8	08:00
Net ISGS	734.159	986.773	1869.37	1	05:00
System Demand	2766.050	3717.809	5525.66	20	20:00
Trading					
Average of Peak Demand (MW)		4895.421			
Average of Minimum Demand (MW)		3844.264			

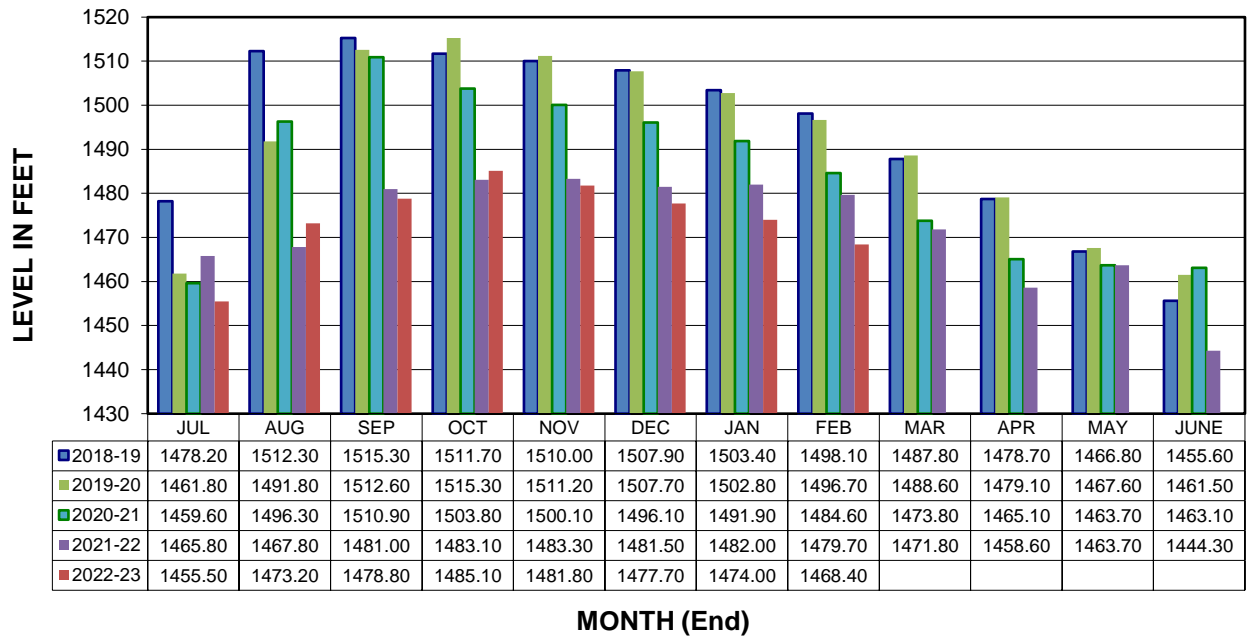
## DAILY GENERATION SHARING DURING PEAK DEMAND DURING FEBRUARY 2023



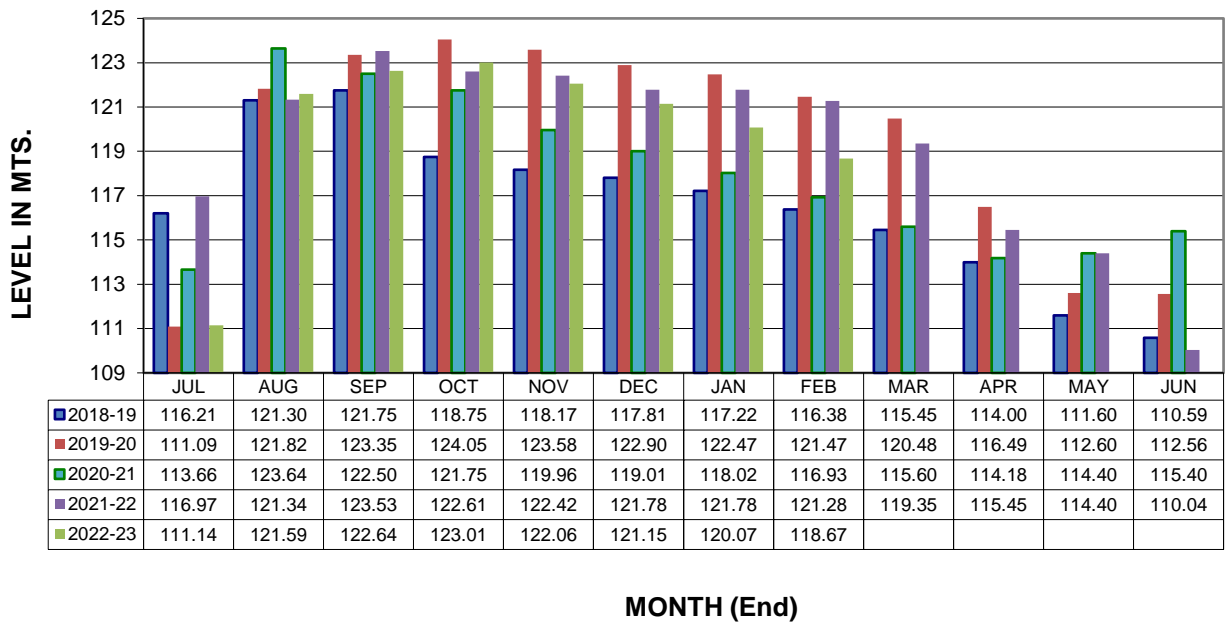
### JOLAPUT RESERVOIR LEVEL



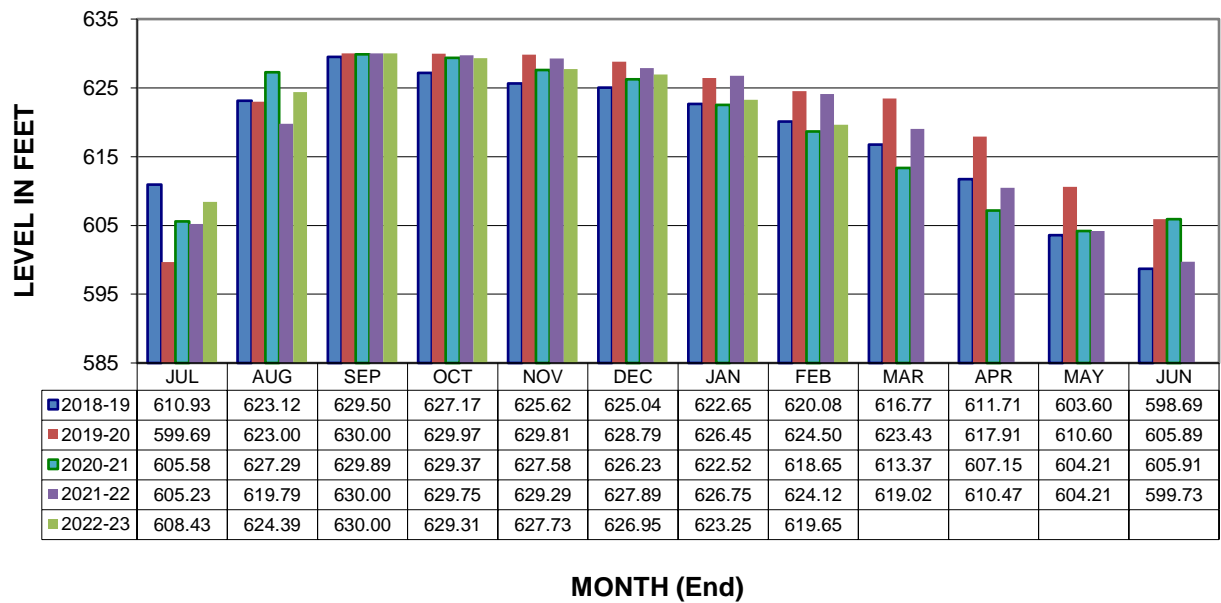
### BALIMELA RESERVOIR LEVEL



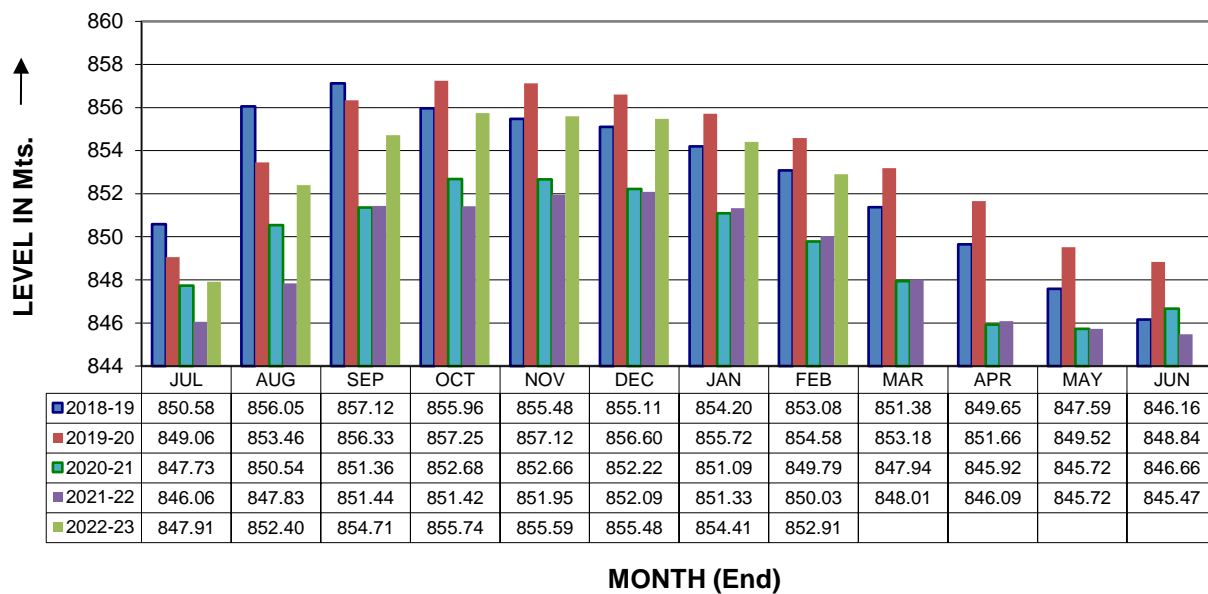
### RENGALI RESERVOIR LEVEL



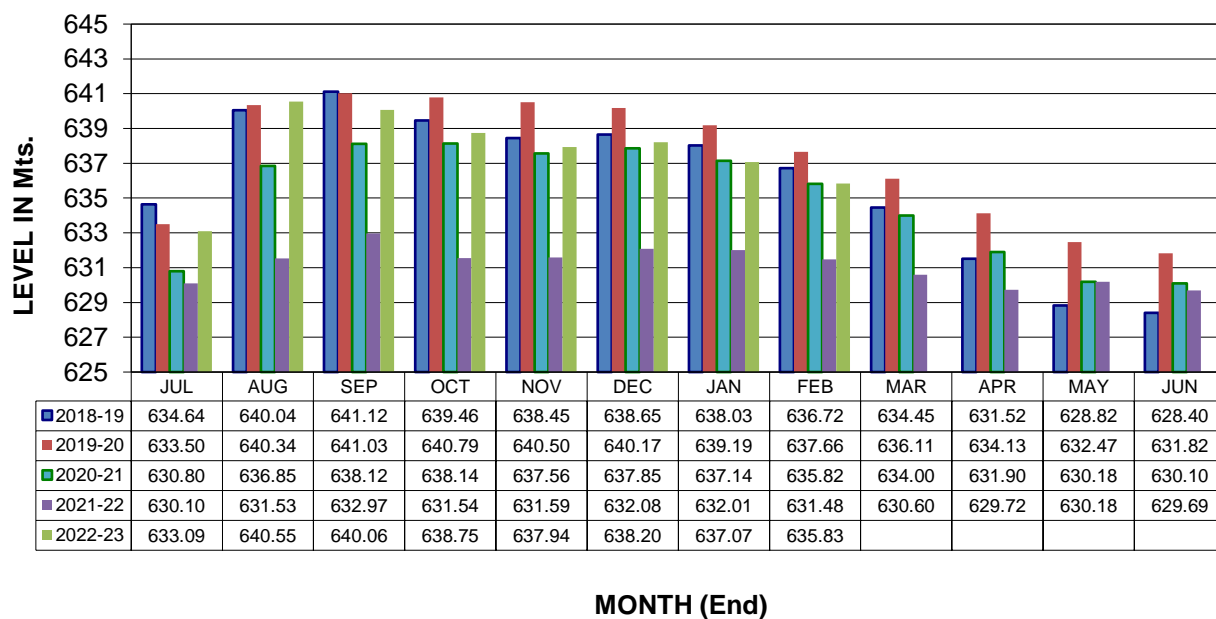
### HIRAKUD RESERVOIR LEVEL



### U.KOLAB RESERVOIR LEVEL

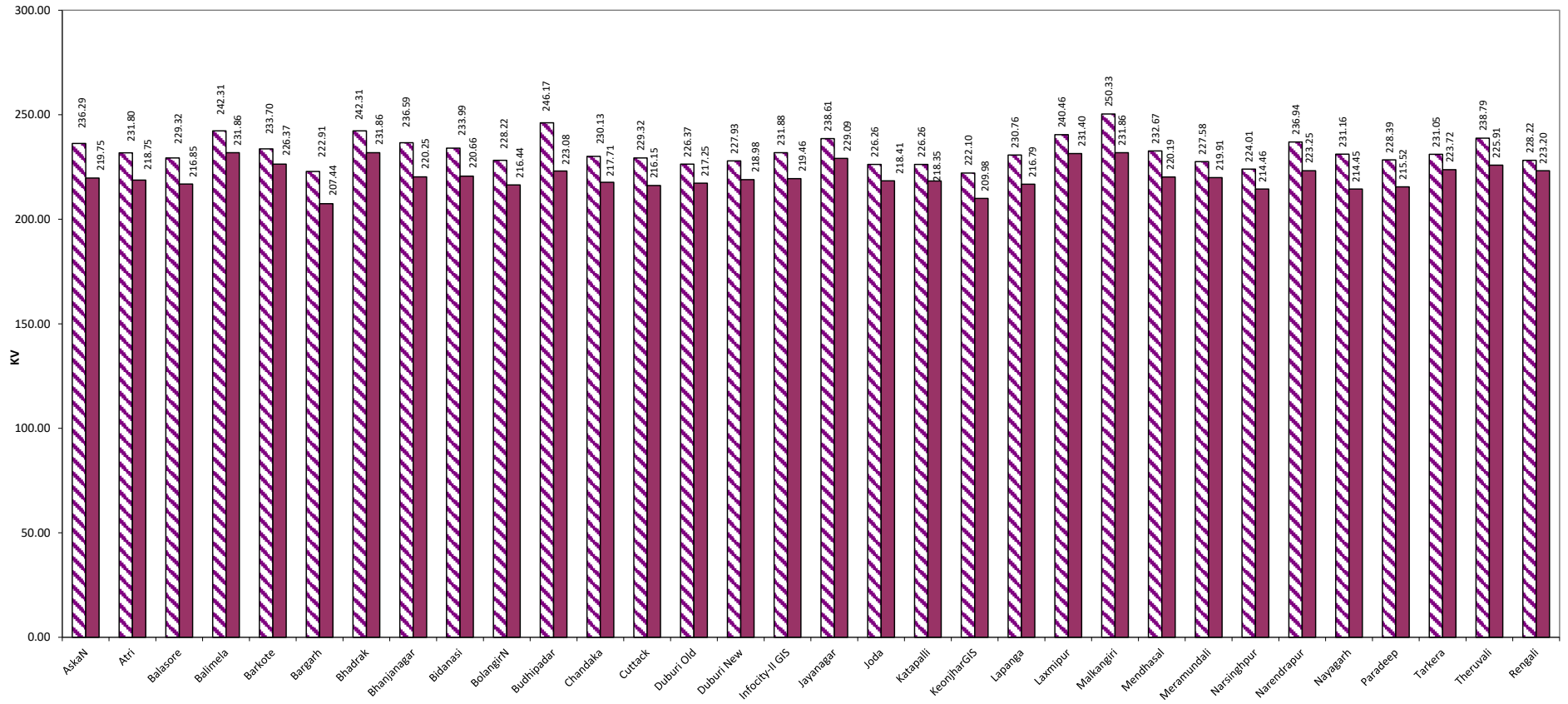


### INDRAVATI RESERVOIR LEVEL



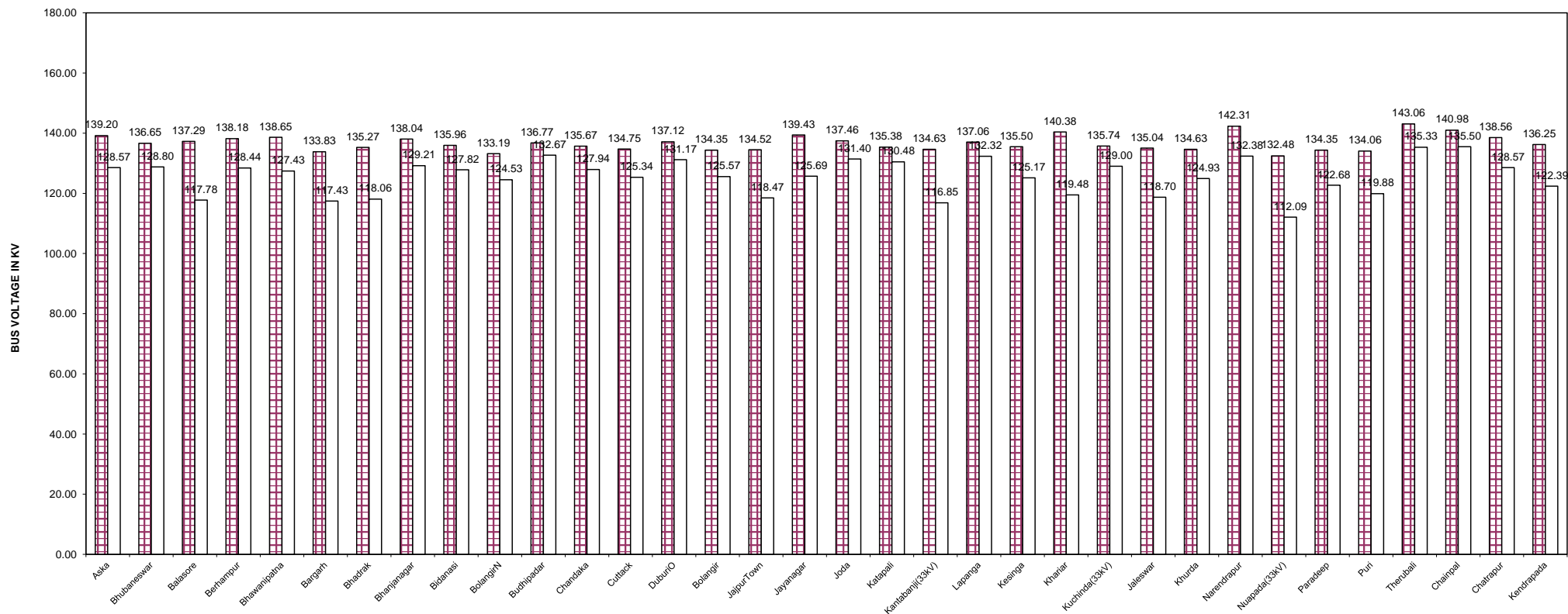


VOLTAGE PROFILE OF 220KV S/S FOR FEBRUARY 2023



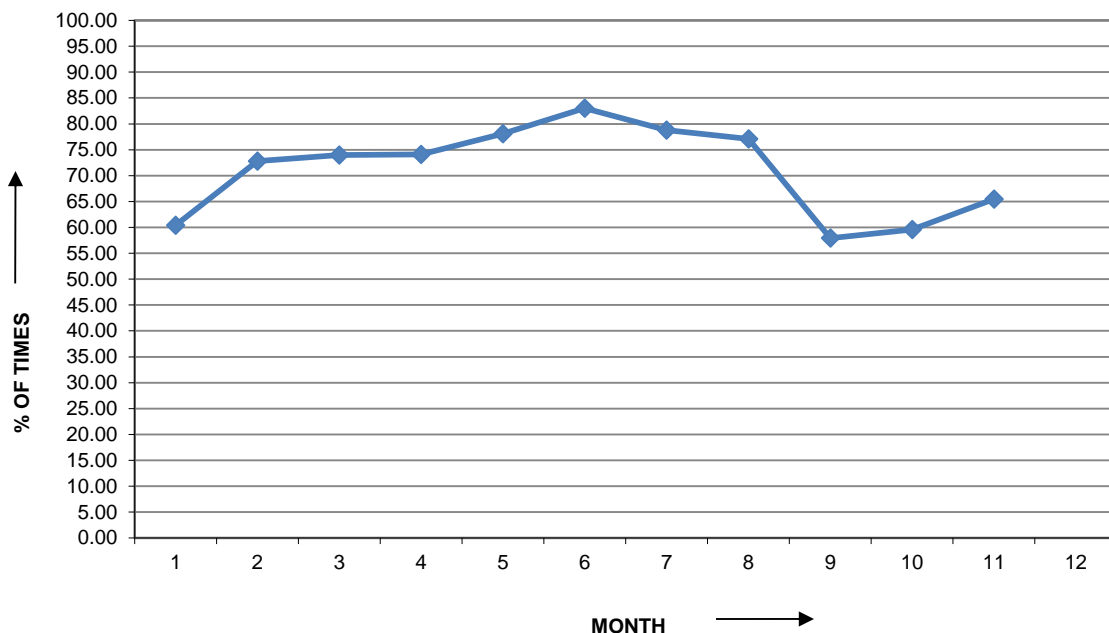
STATION	ATRI		BALASORE		BARKOTE		BARGARH(N)		BHADRAK		BHANJANAGAR		BIDANASI		BOLANGIR		BUDHIPADAR		CHANDAKA		CUTTACK		DUBURI		DUBURI (N)		JAYANAGAR		JODA		KATAPALI		LAPANGA		LAXMIPUR		MENDHASAL		MERAMUNDALI		NARENDRAPUR		NAYAGARH		PARADEEP		TARKERA		THERUVALI	
	DAY	Hrs.	DAY	Hrs.	DAY	Hrs.	DAY	Hrs.	DAY	Hrs.	DAY	Hrs.	DAY	Hrs.	DAY	Hrs.	DAY	Hrs.	DAY	Hrs.	DAY	Hrs.	DAY	Hrs.	DAY	Hrs.	DAY	Hrs.	DAY	Hrs.	DAY	Hrs.	DAY	Hrs.	DAY	Hrs.	DAY	Hrs.	DAY	Hrs.	DAY	Hrs.	DAY	Hrs.	DAY	Hrs.				
MAXM.	#REF!	03:00	#REF!	03:00	44971	03:30	44963	05:15	44963	02:30	44973	20:45	44963	05:15	44964	03:00	44973	04:15	44974	03:30	44974	14:15	44975	03:00	44966	03:15	44974	03:30	44971	01:15	44963	03:00	44963	05:15	44974	03:45	44973	04:00	44976	15:45	44975	21:45	44968	03:00	44976	03:00	44984	03:00	44970	02:45
MINM.	#REF!	11:00	#REF!	11:00	44977	09:00	44977	11:00	44958	09:00	44977	09:15	44964	11:00	44980	11:00	44977	11:00	44977	17:30	44977	09:30	44982	11:00	44965	11:00	44977	09:15	44977	09:15	44958	11:00	44958	09:00	44977	17:15	44972	17:15	44978	10:45	44978	12:45	44965	17:30	44961	11:00	44979	11:00	44977	10:00

VOLTAGE PROFILE OF 132KV S/S FOR FEBRUARY 2023



STN	CHATRAPUR		BALASORE		CHAINPAL		BARGARH (N)		BHADRAK		BHANJANAGAR		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	44971	3:00	44963	02:15	44974	05:00	44971	03:00	44960	00:15	44968	16:00	44963	03:30	44971	03:45	44974	04:30	44964	22:30	44976	21:45	44963	02:45	44974	03:00	44963	03:30	44964	22:30	44963	03:30	44973	05:15	44963	02:15	44976	03:45	44971	3:30	44960	02:45	44960	02:15	####	02:45	44961	04:00	44974	05:30	44963	02:15
MIN	44978	9:00	44959	07:15	44960	08:30	44977	11:00	44982	17:15	44974	06:45	44964	09:15	44977	11:00	44958	11:00	44977	17:45	44965	9:30	44959	07:15	44982	12:30	44958	10:00	44977	17:45	44964	09:15	44972	12:15	44958	10:15	44971	16:30	44967	16:30	44961	09:30	44982	17:15	####	16:30	44977	11:15	44960	08:30	44977	09:15

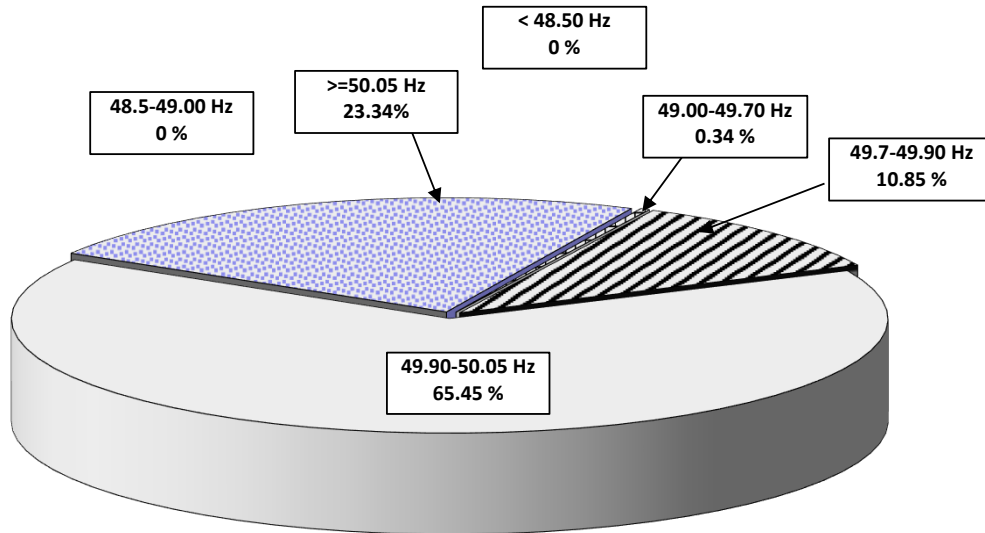
**MONTH WISE % OF TIMES FREQUENCY WITHIN IEGC BAND  
( 49.90 to 50.05 ) FOR FY 2022 - 23**



**FREQUENCY WITHIN THE STANDARD BAND & ABOVE .  
( FROM 2020-2021 TO 2022- 2023 )**

YEAR	FREQUENCY	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	JAN.	FEB.	MARCH	ANNUAL
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
2022- 2023	Average in Hz	49.93	49.99	49.98	50.00	49.99	49.99	50.00	49.99	50.00	49.99	49.99		49.99
	% of time (49.9 to 50.05 Hz)	60.42	72.79	73.99	74.08	78.08	83.03	78.80	77.07	57.92	59.61	64.45		70.93
	% of time (above 50.05 Hz)	8.02	14.97	12.64	17.23	13.24	10.86	15.83	15.10	28.92	26.70	23.37		16.99

### MONTHLY FREQUENCY PROFILE FOR FEBRUARY 2023



### FREQUENCY DISTRIBUTION FOR THE MONTH OF FEBRUARY - 2023 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	8	1	12	0	0	0	1	1	9	0	4	0	0	17	35
49.7-49.9	137	198	195	185	112	209	309	150	91	93	226	23	110	246	176
49.9-50.05	873	947	855	957	889	836	862	1003	876	939	975	743	956	954	969
>50.05	422	294	378	298	439	395	268	286	464	408	235	674	374	223	260
>=50.1Hz	171	130	142	85	196	143	84	66	178	135	63	299	141	47	74

Frequency/Day	16	17	18	19	20	21	22	23	24	25	26	27	28				Total
<48.50	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
49.00-49.70	10	6	4	0	0	0	0	0	9	0	0	4	15				2
49.7-49.90	186	103	152	45	125	210	127	87	227	158	112	195	186				73
49.9-50.05	948	963	1032	990	960	1068	1007	1016	907	992	975	957	939				440
>50.05	296	368	252	405	355	162	306	337	297	290	353	284	300				157
>=50.10Hz	108	121	69	113	106	43	112	94	90	91	107	81	112				53
	1440	1440	1440	1440	1440	1440	1440	1440	1440	1440	1440	1440	1440				672

ENERGY DRAWAL OF TPCODL CONTROL AREA GRID SUBSTATIONS FOR THE MONTH OF FEBRUARY' 2023							
SL.No	Name of Sub Station	Name of Feeder	Installed Capacity	SMD	Average Drawal	MAX DEMAND	
			MVA	MW	MW	MW	Date
1	Angul	MCL Feeder-1&2	132 kV	22.040	20.250	29.280	3rd Feb 2023
		Angul	2x40+1x20=100	26.202	19.069	28.029	19th Feb 2023
2	Angul PG	PGCIL Stn. Tertiary		0.075	0.075	0.075	1st Feb 2023
3	Arati Steel	Arati Steel	132 kV	0.000	0.020	10.040	17th Feb 2023
4	Arqul	Arqul	2x40+1x20=100	22.680	15.686	24.280	23th Feb 2023
5	Badaqada	Badaqada	2x63=126	21.088	20.707	39.738	28th Feb 2023
6	Balugaon	SOLARI Traction	132kV	2.400	3.453	11.760	27th Feb 2023
		Balugaon	1x40+1x20+1x12.5=72.5	27.570	18.923	30.257	25th Feb 2023
7	Banki	Banki	2x20=40	11.584	8.419	12.960	25th Feb 2023
8	Bhubaneswar	Bhubaneswar	3x63=189	56.440	41.354	65.960	21th Feb 2023
9	Bidanasi	Bidanasi	2x63+1x40=166	51.170	36.504	58.961	23th Feb 2023
10	Boinda	Boinda Traction	132 kV	6.320	3.138	12.400	11th Feb 2023
		Boinda	1x20+2x12.5=45	13.566	9.473	15.820	2nd Feb 2023
11	BPPL S/W	BPPL Fdr-I&II	132 kV	0.000	0.000	0.000	1st Feb 2023
12	Brajabiharipur	Brajabiharipur	2x40=80	1.038	0.689	1.202	25th Feb 2023
13	Chainpal	FCL Feeder	132 kV	0.298	0.201	0.380	28th Feb 2023
		Talcher Rd. Trac.	132 kV	8.640	8.980	17.040	22th Feb 2023
		Chainpal	2x40+1x20=100	31.260	23.780	37.360	9th Feb 2023
14	Chandaka	Chandaka	3x63=189	84.253	60.290	87.425	28th Feb 2023
15	Chandaka GIS	Chandaka GIS	2x40=80	2.360	0.000	4.800	12th Feb 2023
16	Chandpur	Chandpur	2x12.5=25	9.508	7.190	11.763	9th Feb 2023
17	Choudwar	Choudwar Traction	132 kV	9.000	9.110	19.120	12th Feb 2023
18	Choudwar	Choudwar	3x40=120	33.947	30.817	52.757	8th Feb 2023
19	Cuttack	Cuttack	3x40=120	48.934	32.877	50.351	24th Feb 2023
		Joranda Trac.	132 kV	5.812	8.289	16.527	15th Feb 2023
		Narveram CGP Fdr	33 kV	4.968	0.908	5.238	25th Feb 2023
		Dhenkanal	3x40=120	34.030	27.194	51.104	12th Feb 2023
20	Global	Heavy Water Feeder	132 kV	0.360	0.340	0.480	9th Feb 2023
		Global	1x20=20	1.198	1.006	2.112	12th Feb 2023
21	Godisahi	Godisahi	2x63=126	0.700	0.496	0.862	24th Feb 2023
22	Goda	Goda	1x40=40	6.965	4.729	8.309	27th Feb 2023
23	Grid Steel Alloy S/W	GSAL Feeder	132kV	0.000	0.000	0.000	1st Feb 2023
24	Kharagprasad	MGM Feeder	132kV	0.000	0.289	2.272	3rd Feb 2023
		NBVL Fdr-1&2	132kV	0.000	0.000	0.001	28th Feb 2023
		SGEL Feeder	132kV	0.000	0.032	1.700	11th Feb 2023
		Meramundali Trac.	132 kV	8.257	7.446	16.874	12th Feb 2023
		Kharagprasad	132 kV	2.620	1.850	3.396	16th Feb 2023
25	Infocity-II GIS	Infocity-II GIS (220/33)	2x40=80	0.320	2.439	14.440	2nd Feb 2023
26	Jagatsinghpur	Gorakhnath Trac.	132 kV	7.174	5.553	12.747	12th Feb 2023
		Jagatsinghpur	1x40+2x20=80	26.254	17.611	27.091	24th Feb 2023
27	Kalarangi	Kalarangi	1x20+2x12.5=45	4.863	3.696	5.857	9th Feb 2023
28	Kamakhyanagar	Kamakhyanagar	1x20+2x12.5=45	15.624	12.783	17.376	25th Feb 2023
29	Kendrapada	Kendrapada	2x40+1x12.5=92.5	25.720	17.279	25.880	24th Feb 2023
30	Khairakata	Khairakata	2x40=80	5.280	3.617	5.744	27th Feb 2023
31	Khuntuni GIS	ShreeCementFeeder	132kV	9.544	1.792	10.084	19th Feb 2023
		Khuntuni GIS	2x40=80	16.880	11.581	20.160	23th Feb 2023
32	Khurda	Kaipadar Trac.	132 kV	10.800	8.696	17.480	22th Feb 2023
		Khurda	4x40=160	73.098	56.884	75.758	21th Feb 2023
33	Konark	Konark	2x20=40	10.892	7.242	13.392	22th Feb 2023
34	Mancheswar-B GIS	Mancheswar-B GIS	2x40=80	23.880	16.611	27.080	7th Feb 2023
35	Mania	Mania	1x20+1x12.5=32.5	15.220	9.446	17.760	17th Feb 2023
36	Marshaghai	Marshaghai	2x20=40	13.424	8.394	13.700	25th Feb 2023
		Kendrapada Traction	132 kV	0.720	2.382	6.520	20th Feb 2023
37	Mendhasal	Mendhasal(220/33)	2x20=40	10.284	12.273	18.272	22th Feb 2023
38	Meramundali	BSL-TATA Fdr-1&2	220 kV	0.000	6.605	87.000	28th Feb 2023
		RRG Feeder	132kV	1.560	8.471	27.720	1st Feb 2023
		JSPL Feeder-1&2	400 kV	82.288	25.140	139.916	16th Feb 2023
		RUNGTA Feeder	132kV	10.480	12.314	14.720	6th Feb 2023
		RUNGTA DSP	132kV	4.181	0.000	5.573	21th Feb 2023
39	Narsinghpur	Narsinghpur(220/33)	1x40=40	5.876	4.480	7.472	19th Feb 2023
40	Nayagarh	Nayagarh (220/33)	2x40+1x20=100	37.784	27.875	39.828	25th Feb 2023
41	Nimapara	Nimapara	3x40=120	41.336	29.986	50.139	6th Feb 2023
42	Nuapatana	Nuapatana	1x40+1x20+1x12.5=72.5	16.445	12.347	26.560	7th Feb 2023
43	Olaver	Olaver	2x12.5=25	5.884	3.713	6.380	24th Feb 2023
44	Pandiabil PG	PGCIL Stn. Tertiary		0.039	0.039	0.039	1st Feb 2023
		Essar Steel Fdr-1&2	220kV	18.388	16.677	25.038	12th Feb 2023
		IFFCO Fdr-1&2	132kV	10.360	7.288	11.280	12th Feb 2023
		IOCL Feeder	220kV	5.700	3.325	6.550	21th Feb 2023
		PPL Fdr-1&2	132kV	0.000	2.255	11.680	17th Feb 2023
		PPT Fdr-1&2	132kV	19.080	16.500	27.280	18th Feb 2023
		Paradeep	3x20=60	18.076	12.673	19.124	21th Feb 2023
		Siju RTSS	132kV	6.586	0.000	10.919	18th Feb 2023
46	Pattamundai	Pattamundai	2x20+1x12.5=52.5	15.598	10.308	17.140	22th Feb 2023
47	Phulnakhara	Phulnakhara	1x40+2x20=80	31.320	22.058	32.244	21th Feb 2023
48	Pratapsasan	Pratapsasan	2x40=80	6.992	5.737	8.282	10th Feb 2023
49	Puri	Puri	3x40=120	29.867	20.601	29.957	25th Feb 2023
50	Ranasinghpur	Ranasinghpur	3x63=189	65.878	36.989	66.823	27th Feb 2023
51	Rengali PG	PGCIL Stn. Tertiary		0.047	0.047	0.047	1st Feb 2023
52	Rengali S/W	Rengali S/W (220/33)	2x20=40	10.180	7.018	12.088	16th Feb 2023
53	Rajnagar	Rajnagar	2x20=40	5.895	3.614	6.186	11th Feb 2023
54	Salipur	OCL Feeder	132kV	1.761	7.058	18.547	19th Feb 2023
		Salipur	3x20=60	33.289	20.502	33.318	24th Feb 2023
		Samangara	2x20=40	10.104	7.977	12.612	1st Feb 2023
55	Samangara	Samangara	132kV	4.075	0.000	6.780	27th Feb 2023
		Malatipatapur Traction	132kV	18.840	13.622	20.840	1st Feb 2023
56	Shamuka	Shamuka	2x31.5=63	12.840	8.499	13.480	24th Feb 2023
57	Tirtol	Tirtol	2x40=80	18.819	15.326	24.106	1st Feb 2023
58	TS Alloys S/W	RAWMET Feeder	132kV	1.813	1.845	2.274	28th Feb 2023
59	TTPS	TTPS	TTPS Net Drawal	10.01332	0	10.66444	6th Feb 2023
60	Ultratech	Ultratech Feeder		23.318	14.861	24.310	24th Feb 2023
61	Unit-8 GIS	Unit-8 GIS	2x40=80	-14.664	-9.832	-17.832	27th Feb 2023
62	Balugaon	Khalikote Feeder	33kV	12.032	8.269	12.038	24th Feb 2023
63	Chandikhol	Kundala Feeder	33kV	1.627	1.070	1.697	26th Feb 2023
64	Rairakhol	Bamur Feeder	33kV	2.160	1.435	2.420	8th Feb 2023
65	Rengali	BUDHAPAL Feeder	33kV	-1.136	-0.781	-1.464	8th Feb 2023
66	Barkote	Pallihara Feeder	33kV	1.881	1.677	5.466	10th Feb 2023
67	Chandaka	S.N. Mohanty(Solar)	11kV	0.000	0.168	0.740	13th Feb 2023
68	Chandpur	MGM SOLAR	11kV	0.000	0.177	0.732	15th Feb 2023
		VIVACITY Solar	11kV	0.000	0.117	0.455	13th Feb 2023
TPCODL TOTAL ENERGY (MU)				1,412.9721	678.6608	1,921.1418	

ENERGY DRAWAL OF TPWODL CONTROL AREA GRID SUBSTATIONS FOR THE MONTH OF FEBRUARY'2023								
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	0.118	2.991	9th Feb 2023	11:00
2	Bamra	Aryan-Viraj	132 kV	0.000	0.598	5.569	3rd Feb 2023	07:45
3	Bamra	Bamra Traction	132 kV	11.778	11.789	25.634	8th Feb 2023	17:30
4	Barapalli	Dunguripali Tr.	132kV	6.960	3.726	9.600	14th Feb 2023	04:45
5	Bargarh	Barapalli	1x40+1x20=60	41.676	31.278	49.144	21th Feb 2023	10:15
6	Bargarh	ACC Feeder-1&2	132kV	0.000	4.790	9.280	19th Feb 2023	00:30
7	Bargarh (New)	Bargarh	3x40=120	73.348	62.759	88.933	25th Feb 2023	08:45
8	Barkote	Bargarh (New)	2x12.5=25	0.000	0.028	0.128	11th Feb 2023	18:30
9	Barkote	Barkote (220/33)	2x40=80	5.231	5.161	10.080	3rd Feb 2023	09:15
10	Bhalulata	Bhalulata Traction	132 kV	4.600	4.468	13.760	5th Feb 2023	06:00
11	Bhawanipatna	Lanjigarh Traction	132kV	3.414	6.276	19.258	27th Feb 2023	22:30
12	Bhawanipatna	Bhawanipatna	2x12.5=25	10.150	8.842	12.585	6th Feb 2023	08:15
13	Birmaharajpur	Birmaharajpur	1x20=20	7.770	5.433	9.232	7th Feb 2023	18:45
14	Bolangir PG	415V side Tertiary		0.022	0.022	0.022	1st Feb 2023	00:00
15	Bolangir	Bolangir	3x40=120	45.595	31.646	53.255	1st Feb 2023	18:15
16	Bolangir (New)	Bolangir (New)	1x40+1x12.5=52.5	1.584	3.196	8.488	7th Feb 2023	18:00
17	Bonai	Bonai(220/33)	2x20=40	9.804	8.735	12.828	10th Feb 2023	18:45
18	Bimlagarh	Bimlagarh Traction	132kV	2.760	1.895	9.400	14th Feb 2023	10:30
19	Brajrajnagar	Kechobahal Traction	132kV	1.200	0.000	6.800	1st Feb 2023	11:30
20	Brajrajnagar	Brajrajnagar	1x40+3x20=100	21.248	20.447	32.276	5th Feb 2023	18:15
21	Budhipadar	AAL Feeder-1&2	220 kV	0.120	4.800	50.520	7th Feb 2023	23:00
22	Budhipadar	BPSL Feeder-1&2	220 kV	140.188	48.769	173.813	1st Feb 2023	23:45
23	Budhipadar	MCL Feeder-1&2	132 kV	12.613	11.745	16.884	15th Feb 2023	19:30
24	Budhipadar	MSP Feeder	132 kV	2.560	0.281	5.360	7th Feb 2023	04:30
25	Budhipadar	SMC Power	220 kV	0.000	0.000	0.000	1st Feb 2023	00:00
26	Budhipadar	Budhipadar	1x20+1x12.5=32.5	8.519	8.597	16.631	3rd Feb 2023	19:45
27	Budhipadar	Vedanta Ltd	220 kV	0.000	0.000	0.400	6th Feb 2023	14:15
28	Burla P.H.	Island & Incomer	11 kV	0.018	0.024	0.060	7th Feb 2023	05:45
29	Chandiposh	Chandiposh Trac	220 kV	4.600	3.035	11.920	3rd Feb 2023	17:45
30	Chhend	Adhunik Metallic Fdr.	132 kV	1.063	0.764	2.725	28th Feb 2023	17:00
31	Chhend	Nuagaon Trac.	132 kV	1.720	2.284	9.400	19th Feb 2023	15:45
32	Chhend	Sri Ganesh Metallics	132 kV	1.731	3.221	5.819	1st Feb 2023	23:30
33	Chipilima P.H.	Chipilima P.H.	3x40=120	56.475	50.202	65.319	23th Feb 2023	08:45
34	Deogarh	Deogarh	1x20+1x12.5=32.5	18.920	13.571	21.528	27th Feb 2023	18:30
35	Ghens	Ghens	2x20=40	4.899	4.350	6.586	19th Feb 2023	18:30
36	Hirakud	Hirakud	1x40=40	46.840	43.889	56.920	24th Feb 2023	16:45
37	Jayapatna	Megalift Feeder-I & II	1x40=40	4.604	3.194	9.547	28th Feb 2023	19:00
38	Jayapatna	Jayapatna	132 kV	4.160	3.864	4.240	10th Feb 2023	00:00
39	Jharsuguda	Jharsuguda	2x40=80	8.062	6.676	9.561	4th Feb 2023	18:30
40	Jharsuguda	Jharsuguda Trac.	132 kV	14.520	14.206	26.760	4th Feb 2023	09:00
41	Jharsuguda	Ultratech Feeder	2x40=80	17.120	13.445	22.200	23th Feb 2023	18:30
42	Junagarah	Junagarah	132kV	12.420	10.188	15.644	27th Feb 2023	23:30
43	Kalunga	Junagarah	3x20=60	21.324	18.182	24.976	9th Feb 2023	18:30
44	Kantabanji	Kalunga	2x40=80	45.761	50.909	61.365	23th Feb 2023	10:30
45	Kantabanji	Kantabanji Trac.	132 kV	4.840	3.195	11.440	20th Feb 2023	09:45
46	Kakatiya SHEP	Kantabanji	2x40=80	11.000	8.761	16.720	10th Feb 2023	09:00
47	Katapali	Kakatiya	33KV	6.450	5.443	7.163	1st Feb 2023	08:45
48	Katapali	HINDALCO Fdr-1&2	220 kV	1.440	4.415	36.520	24th Feb 2023	23:00
49	Katapali	GodbhagaRTSS	132kV	3.800	3.196	9.200	3rd Feb 2023	22:00
50	Kesinga	Katapali	1x40+2x20=80	24.534	17.918	38.034	20th Feb 2023	18:15
51	Kesinga	POWMEX Fdr	132 kV	0.234	1.082	3.675	10th Feb 2023	11:30
52	Kesinga	Kesinga Traction	132 kV	4.840	6.130	17.240	21th Feb 2023	15:15
53	Kharlar	Kesinga	1x40+2x20=80	36.525	26.451	46.298	16th Feb 2023	18:30
54	Kuchinda	Kharlar	2x40=80	29.920	25.412	36.480	2nd Feb 2023	08:00
55	Kutra S/W	Kuchinda	2x20=40	12.469	10.881	17.947	2nd Feb 2023	19:00
56	Lapanga	Shiva Cement	132kV	8.240	4.870	8.712	15th Feb 2023	17:00
57	Lephrpada	Rengali Traction	132kV	6.160	9.090	18.160	16th Feb 2023	12:45
58	Lephrpada	Lapanga	2x20=40	8.784	9.098	16.256	6th Feb 2023	17:00
59	Maneswar	Basundhara	220kV	1.302	2.039	3.212	27th Feb 2023	10:30
60	Nuapada	Lephrpada	2x20=40	6.541	5.260	7.814	11th Feb 2023	18:30
61	Nuapada	Maneswar	2x40=80	4.848	3.752	6.242	9th Feb 2023	18:30
62	OPGC	Nuapada Trac.	132 kV	2.920	2.665	5.240	6th Feb 2023	01:00
63	Padampur	Nuapada	2x20=40	13.568	14.047	17.384	23th Feb 2023	08:00
64	Padampur	Daripali	33kV	1.554	1.789	1.937	10th Feb 2023	13:00
65	Patnagarh	Padampur	1x40+2x20=80	30.496	26.447	37.116	13th Feb 2023	09:45
66	Rairakhol	Patnagarh	1x40+2x20=80	26.205	15.952	30.674	10th Feb 2023	07:00
67	Rairakhol	Rairakhol Trac.	132kV	4.280	3.603	13.200	16th Feb 2023	15:30
68	Rairakhol	Rairakhol	3x12.5=37.5	6.616	5.156	8.356	8th Feb 2023	18:30
69	Rajgangpur	OCL Feeder	132kV	0.000	0.002	2.200	9th Feb 2023	12:45
70	Rajgangpur	OISL Feeder	132kV	0.000	0.000	0.000	1st Feb 2023	00:00
71	Rajgangpur	Rajgangpur Trac-1&2	132 kV	2.640	3.867	8.480	27th Feb 2023	04:45
72	Rourkela PG	Rajgangpur	3x40=120	48.920	41.014	53.360	16th Feb 2023	18:45
73	Rourkela	PG Tertiary	33kV	0.047	0.047	0.047	1st Feb 2023	00:00
74	Rourkela	Rourkela	1x40+3x35=145	39.560	35.297	48.560	27th Feb 2023	14:45
75	Saintala	ORDNANCE Feeder	132 kV	1.320	1.174	2.800	1st Feb 2023	10:15
76	Sambalpur	Sambalpur	1x40+2x31.5=103	49.855	40.308	56.343	21th Feb 2023	18:30
77	SMC S/W	Shyam DRI Feeder	132 kV	19.560	22.987	37.960	4th Feb 2023	12:45
78	Sonepur	SMC Power	132kV	2.118	0.979	3.818	15th Feb 2023	11:00
79	Sundargarah PG	Sonepur	2x40+1x20=100	43.693	32.098	53.113	25th Feb 2023	18:30
80	Sundargarah	PG TERTIARY	33 kV	0.079	0.079	0.079	1st Feb 2023	00:00
81	Tarkera	Sundargarh	1x40+2x20=80	17.653	14.496	25.606	4th Feb 2023	18:45
82	Tusura	RSP Feeder-1&2	220 kV	114.406	0.000	187.781	1st Feb 2023	04:15
83	Tusura	RSP Feeder-3&4	220 kV	87.600	0.000	91.200	1st Feb 2023	04:45
84	Thuapali	Tusura	1x40+1x20=60	17.720	14.571	22.932	13th Feb 2023	18:30
85	VAL Lanjigarh	Deogaon Tr.	132kV	3.080	3.918	13.240	2nd Feb 2023	04:00
86	Vedanta S/W	Thuapali	2x20=40	6.331	4.874	11.451	20th Feb 2023	06:45
87	Barkote	Vedanta Id. fdr-1&2	132 kV	0.000	1.537	10.120	17th Feb 2023	18:00
88	Joda	Vedanta SEZ	400 kV	1467.405	972.344	1477.079	09th Jan 2023	10:30
89	Rairakhol	Pallihara Feeder	33kV	-1.559	-1.677	-5.466	10th Feb 2023	07:45
90	Rairakhol	Joda-Tensa Feeder	33 kV	8.461	7.420	11.243	2nd Feb 2023	19:00
91	Rairakhol	Bamur Feeder	33 kV	-1.900	-1.435	-2.420	8th Feb 2023	18:45
92	Rengali	BUDHAPAL Feeder	33kV	1.052	0.781	1.464	8th Feb 2023	19:30
93	Sonepur	Manamunda Feeder	33 kV	-11.032	-8.889	-14.076	15th Feb 2023	18:15
94	Sonepur	GEDCOL Solar	33 kV	0.248	4.058	15.284	2nd Feb 2023	11:45
95	Sonepur	ABACUS Holdings Solar	11 kV	0.024	0.188	0.796	23th Feb 2023	11:15
96	Tentulikhunti	Mukhiguda Fdr	33KV	0.900	0.524	1.276	28th Feb 2023	18:15
97	ACME SOLAR	GEDCOL Solar	11KV	0.000	0.206	0.859	13th Feb 2023	12:30
98	Bamra	ACME SOLAR	132 kV	0.000	0.034	0.120	1st Feb 2023	04:00
99	Barkote	Joy Iron Steel (Solar)	11 kV	0.008	0.168	0.684	3rd Feb 2023	12:15
100	Barkote	Molissati Solar	11 kV	0.000	0.189	0.713	2nd Feb 2023	12:00
101	Kesinga	SADIPALI Solar	33kV	0.080	5.501	20.720	3rd Feb 2023	12:30
102	Kesinga	Vento Power Solar -1	132 kV	0.040	0.050	0.160	8th Feb 2023	18:00
103	Kesinga	Vento Power Solar -2	132 kV	0.040	0.034	0.080	1st Feb 2023	00:00
104	Bonei	Mahavir Solar	33 kV	0.000	0.152	0.586	3rd Feb 2023	12:15
105	Padampur	Dakshin UPL solar	132kV	0.000	0.048	0.160	10th Feb 2023	18:00
106	Patnagarh	ALEX Solar Pvt. Ltd.	33 kV	0.080	1.011	4.108	14th Feb 2023	12:00
107	Bolangir (New)	JYOTI Solar	33 kV	0.132	2.528	9.804	3rd Feb 2023	11:45
108	Saintala	REHPL(Solar)	11kV	0.027	0.210	0.834	13th Feb 2023	11:45
109	Tusura	BEL-OFBL Solar	132kV	0.020	0.020	0.048	27th Feb 2023	18:00
110	Tusura	Vento Power Solar-I	132 kV	0.000	0.040	0.120	15th Feb 2023	20:00
111	Tusura	Vento Power Solar-II	132 kV	0.000	0.040	0.080	1st Feb 2023	00:00
112	Bargarh	Aditya Solar Fdr-I & II	33 kV	0.000	0.020	0.104	26th Feb 2023	18:15
113	ABSL Sw. Station	Aditya Solar	132kV	0.000	0.061	0.247	23th Feb 2023	18:15
114	Barbil	IOBP Fdr	132kV	0.000	0.000	0.000	1st Feb 2023	00:00
115	Barbil	Kamanda Steel Plant Fdr	132kV	10.621	5.733	19.100	2nd Feb 2023	07:30
TPWODL TOTAL ENERGY (MU)				2,851.5484	1,306.9932	3,566.1576		

ENERGY DRAWAL OF TPNODL CONTROL AREA GRID SUBSTATIONS FOR THE MONTH OF FEBRUARY'2023								
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	8.920	5.607	9.520	27th Feb 2023	20:45
2	Anandpur	Anandpur	1x20+2x12.5=45	13.656	9.589	14.640	28th Feb 2023	19:30
3	Arya Ispat S/w	ARYA Steel Fdr	132kV	7.368	7.396	9.648	11th Feb 2023	10:30
		BRPL Feeder	132kV	16.825	15.190	10.440	22th Feb 2023	23:15
		IMTCPL Fder	132kV	0.532	0.880	2.992	5th Feb 2023	04:15
4	Balasore	BIRLA Tyre Fder	132kV	0.240	0.211	0.272	6th Feb 2023	13:00
		ISPAT Feeder	132kV	47.480	42.076	49.880	25th Feb 2023	11:00
		Balasore Traction	132kV	6.320	7.685	16.960	26th Feb 2023	15:15
5	Bangiriposi	Bangiriposi	2x63+1x40=166	55.246	41.599	63.316	28th Feb 2023	18:30
6	Barbil	Barbil	2x12.5=25	9.912	8.049	11.268	28th Feb 2023	19:15
7	Baripada PG	Baripada PG Stn.		0.056	0.056	0.056	1st Feb 2023	00:00
8	Baripada	Baripada	3x40=120	19.224	14.504	21.979	13th Feb 2023	09:00
9	Basta	Basta	2x20+1x12.5=52.5	24.344	18.202	25.419	28th Feb 2023	20:45
10	BC Mohanty sw	BC Mohanty fdr	132 kV	9.384	8.166	10.332	1st Feb 2023	04:00
		TOMKA Traction	132kV	1.480	3.612	13.720	22th Feb 2023	13:45
11	Betanati	Betanati	1x20=20	17.871	13.322	18.404	23th Feb 2023	18:45
12	Bhadrak	Dhamra Port (Trac.)	132 kV	2.981	3.081	6.775	8th Feb 2023	15:15
		Dhamra Port Fdr	132 kV	7.138	6.748	15.700	10th Feb 2023	18:30
		FACOR Feeder	132kV	20.480	0.000	33.120	15th Feb 2023	09:45
		FACOR Power	132kV	0.000	0.000	0.160	24th Feb 2023	12:45
		Bhadrak Traction	132 kV	10.000	7.294	19.440	3rd Feb 2023	14:45
		Bhadrak	2x63+1x40=166	51.600	33.988	55.320	3rd Feb 2023	18:30
13	Bhograi	Bhograi	2x40=80	16.080	13.924	20.880	9th Feb 2023	08:45
14	Bolani	Bolani(132/11)	2x10=20	1.656	2.448	4.520	7th Feb 2023	07:45
15	BRPL S/w	BRPL Feeder	132kV	16.825	15.190	18.363	28th Feb 2023	14:45
		Mesco Feeder	132kV	0.006	0.010	0.044	26th Feb 2023	05:30
16	Chandbali GIS	Chandbali GIS	1x40+1x20=60	5.460	3.806	6.428	24th Feb 2023	21:15
17	Chandikhol	Chandikhol	3x20=60	29.248	23.683	33.188	22th Feb 2023	19:00
18	Chandipur	Chandipur	1x20=20	8.083	5.829	9.598	24th Feb 2023	12:00
19	Daitary	Bamnipal	132kV	20.361	16.005	21.439	21th Feb 2023	09:45
		Daitary	1x12.5=12.5	0.995	0.786	1.497	10th Feb 2023	07:00
20	Dhenkikote	Dhenkikote	2x20=40	8.373	5.818	9.024	26th Feb 2023	19:00
21	Duburi	Jakhapura Traction	132 kV	12.400	10.526	20.000	23th Feb 2023	14:15
		JFAL Feeder	132 kV	5.650	6.234	7.691	9th Feb 2023	13:15
		Mishral Feeder	132 kV	12.563	11.971	13.969	27th Feb 2023	07:30
		NINL Feeder	220 kV	24.549	21.882	40.239	9th Feb 2023	23:15
		Duburi(220/33)	2x40=80	15.219	12.508	16.569	26th Feb 2023	19:45
22	Duburi-New	Duburi New(220/33)	1x20=20	0.532	0.000	6.568	27th Feb 2023	19:15
		NU Vista Feeder	220 kV	9.760	0.000	11.680	18th Feb 2023	14:30
		Jindal Stainless-1&2	220 kV	39.200	27.734	77.160	4th Feb 2023	23:00
		Maithan Feeder	220 kV	0.113	0.349	4.825	5th Feb 2023	10:30
		Rohit Ferrotech	220 kV	32.400	30.726	33.560	3rd Feb 2023	20:00
		TATA Steel Fdr-1&2	400 kV	82.000	71.411	150.920	22th Feb 2023	07:15
		VISA Steel	220 kV	7.520	1.778	13.680	28th Feb 2023	23:45
23	Shree Jagannath steel switching station	Shree Jagannath Steel Fdr	132kV	0.026	0.058	4.416	2nd Feb 2023	03:00
24	Haridaspur	RAMCO Feeder 132kV	132 kV	0.620	4.147	6.620	1st Feb 2023	07:00
25	Jaipur Road	Jaipur Road	3x40=120	32.120	22.702	34.600	22th Feb 2023	19:00
		Yazdani CGP Feeder	33 kV	0.000	0.011	0.310	2nd Feb 2023	14:15
26	Jaipur Town	Jaipur Town	2x40+1x20=100	33.795	21.480	34.697	24th Feb 2023	21:30
27	Jaleswar	Jaleswar Trac.	132 kV	8.120	7.237	16.560	3rd Feb 2023	14:15
		Jaleswar	2x31.5+1x12.5=75.5	19.548	15.516	27.760	28th Feb 2023	19:15
28	Joda	Bansapani Trac.	132 kV	4.588	5.989	21.556	20th Feb 2023	18:00
		FAP Feeder	132kV	0.222	0.164	0.394	3rd Feb 2023	19:15
		JSPL Trf-1,2&3(220/33)	2x50+1x20=120	43.810	45.932	53.015	15th Feb 2023	21:00
		KJS Ahluwalla	33kV	0.000	0.000	0.552	13th Feb 2023	20:15
		TATA STEEL	220kV	6.960	6.122	9.320	7th Feb 2023	19:00
		TATA Steel Long	220 kV	0.000	0.000	0.013	15th Feb 2023	11:30
		Joda	1x40+3x20+1x160=260	19.397	23.021	39.004	2nd Feb 2023	18:30
		Sarada Ind (220/33)	1x15=15	0.440	0.350	0.480	1st Feb 2023	18:15
29	JSW Cement S/W	JSW Cement Fdr	132kV	3.120	2.288	4.760	27th Feb 2023	12:00
30	Karanjia	Karanjia	1x20+2x12.5=45	14.838	11.838	17.319	3rd Feb 2023	19:30
31	Keonjhar GIS	Keonjhar GIS	2x20=40	12.272	9.383	14.944	3rd Feb 2023	18:45
32	Keonjhar PG	PGCIL Stn. Tertiary	33 kV	0.037	0.037	0.037	1st Feb 2023	00:00
33	Nalda	Nalda Traction	132 kV	2.720	3.415	18.080	9th Feb 2023	13:15
34	Polasponga	ESIL Feeder	132 kV	12.506	15.222	23.294	17th Feb 2023	23:45
		MSP Feeder	132 kV	6.952	5.556	7.272	12th Feb 2023	19:30
		OSISL CGP Feeder	33 kV	0.376	0.240	1.196	8th Feb 2023	10:15
		Patnaik Steel CGP	33 kV	0.000	0.000	0.000	1st Feb 2023	00:00
		Palasponga Trac.	132 kV	7.907	7.334	20.632	16th Feb 2023	11:30
		Polasponga	1x40+2x20=80	16.716	15.019	23.300	11th Feb 2023	18:30
35	Rairangpur	Rairangpur	2x20+1x12.5=52.5	14.622	11.558	18.037	16th Feb 2023	18:45
36	RML Karakhendra	Karakolha	132kV	0.010	0.012	1.357	23th Feb 2023	15:45
37	Somnathpur	IMAMI Feeder	132 kV	6.809	6.032	8.725	19th Feb 2023	00:45
		Stork Feeder	132 kV	19.662	17.153	22.608	15th Feb 2023	01:45
		Somnathpur	2x12.5=25	4.700	4.141	5.984	10th Feb 2023	16:45
38	Soro	Soro	1x40+2x20=80	40.248	25.827	41.903	28th Feb 2023	20:45
39	Telkoi	Telkoi	2x20=40	2.237	1.542	3.044	16th Feb 2023	17:15
40	Udala	Udala	2x40=80	12.560	8.434	13.960	24th Feb 2023	19:00
41	Chandikhol	Badachana Feeder	33kV	-11.163	-8.269	-12.038	24th Feb 2023	18:45
		Kundala Feeder	33kV	-1.594	-1.070	-1.697	26th Feb 2023	20:00
42	Joda	Joda-Tensa Feeder	33 kV	-8.628	-7.195	-11.196	2nd Feb 2023	18:45
		TPNODL TOTAL ENERGY (MU)		1015.8212	550.2747	1414.1400		

ENERGY DRAWAL OF TPSODL CONTROL AREA GRID SUBSTATIONS FOR THE MONTH OF FEBRUARY'2023								
Sl.No	Name of Sub Station	Name of Feeder	Installed Capacity	SMD	Average Drawal	MAX DEMAND		
			MVA	MW	MW	MW	Date	
1	Akhusingh	Akhusingh	2x12.5=25	11.299	8.754	12.821	13th Feb 2023	18:30
2	Aska	Aska	4x40=160	39.640	25.336	47.800	7th Feb 2023	07:45
3	Aska New	Aska New	1x40=40	14.923	8.874	15.170	25th Feb 2023	19:15
4	Balimela	Balimela (220/33)	1x40+1x20=60	11.712	9.611	15.352	26th Feb 2023	18:45
5	Berhampur	Berhampur	2x40+1x20=100	32.084	30.042	51.494	22th Feb 2023	18:45
6	Bhanjanagar	Bhanjanagar	2x40+1x16=96	23.614	16.159	24.713	25th Feb 2023	18:45
7	Boudh	Boudh	2x20=40	4.016	4.495	10.284	9th Feb 2023	18:30
8	Chatrapur	IRE Feeder-1&2	132kV	8.525	7.599	9.509	24th Feb 2023	19:45
		Rambha Traction	132 kV	6.600	4.172	11.800	22th Feb 2023	18:30
		Chatrapur	3x20=60	18.495	18.124	30.860	26th Feb 2023	16:15
9	Chikiti	Chikiti	1x40=40	6.600	4.402	10.680	24th Feb 2023	19:00
10	Dabugaon	Dabugaon	2x12.5=25	9.644	7.140	12.876	20th Feb 2023	18:45
11	Digapahandi	Digapahandi	2x20+1x12.5=52.5	23.447	16.853	29.816	21th Feb 2023	07:00
12	Ganjam	GRASIM Ind. Ltd.	132kV	16.794	17.546	20.050	12th Feb 2023	21:30
		Ganjam	2x12.5=25	15.176	9.959	17.060	25th Feb 2023	19:00
13	G Udaigiri	G Udaigiri	1x20=20	5.713	0.000	7.114	11th Feb 2023	18:15
14	Gunupur	Gunupur	2x20=40	0.484	0.437	0.732	4th Feb 2023	18:30
15	Hinjli GIS	Hinjli GIS	2x20=40	8.338	0.000	9.061	7th Feb 2023	07:00
16	Jeypore PG	Jeypore PG Ter.	28KV	0.097	0.097	0.097	1st Feb 2023	00:00
17	Jayanagar	Jeypore Trac.	132 kV	14.800	11.643	28.960	25th Feb 2023	07:30
		Jayanagar	2x20+1x12.5=52.5	36.973	28.753	43.979	4th Feb 2023	11:45
18	Kalimela	Kalimela	2x20=40	7.143	4.888	9.354	21th Feb 2023	19:00
19	Kasipur	Kasipur(220/33)	1x20=20	1.776	0.969	1.900	21th Feb 2023	18:45
20	Laxmipur	Laxmipur RTSS	220kV	4.264	0.000	9.594	4th Feb 2023	21:30
		Laxmipur(220/33)	1x20=20	10.848	6.366	11.540	16th Feb 2023	07:30
		Utkal Alumina Fdr-I&II	220kV	9.360	0.995	16.240	22th Feb 2023	06:30
21	Malkangiri	Malkangiri (220/33)	2x40=80	5.640	4.713	6.840	25th Feb 2023	18:30
22	Meenakshi s/w	Megalift Feeder	33kV	0.004	0.025	0.440	21th Feb 2023	11:30
23	Mohana	Mohana	2x12.5=25	6.984	4.853	8.308	20th Feb 2023	18:45
24	Muniguda	Muniguda	1x12.5=12.5	6.878	4.890	7.192	25th Feb 2023	18:45
		Bissam-Cuttack Tr	132 kV	12.160	6.150	18.440	6th Feb 2023	03:45
25	Narendrapur	TATA Feeder-I&II	220 KV	25.520	24.218	25.840	6th Feb 2023	02:00
		Narendrapur Trac	132 kV	4.840	4.341	12.720	27th Feb 2023	11:30
		Narendrapur	3x40+1x20=140	25.316	21.701	30.784	24th Feb 2023	11:30
26	Nabarangpur	Nabarangpur	1x20=20	14.578	5.515	14.925	17th Feb 2023	08:00
27	Paralakhemundi	Paralakhemundi	3x12.5=37.5	13.660	10.718	19.524	13th Feb 2023	19:00
28	Phulbani	Phulbani	2x40+1x12.5=92.5	16.220	11.859	21.384	11th Feb 2023	18:45
29	Podagada	Podagada	1x12.5=12.5	13.474	8.428	14.213	8th Feb 2023	07:45
30	Potangi	Potangi	1x40=40	3.548	2.854	5.448	16th Feb 2023	07:30
31	Purushottampur	Purushottampur	1x20+2x12.5=45	15.516	10.488	15.827	16th Feb 2023	07:45
32	Rayagada	Rayagada Trac.	132 kV	1.480	5.399	15.040	22th Feb 2023	19:00
		Rayagada	2x12.5=25	10.828	8.031	12.384	23th Feb 2023	08:45
33	Sunabeda	HAL Feeder	132kV	3.404	4.279	8.576	3rd Feb 2023	18:30
		Sunabeda	1x20+2x12.5=45	20.076	12.256	21.072	14th Feb 2023	07:00
34	Tentulikhunti	Tentulikhunti	3x20=60	6.730	10.862	17.242	25th Feb 2023	18:45
		Guhipita	33kV	0.346	0.430	1.728	14th Feb 2023	11:45
35	Therubali	JK Feeder	132kV	0.000	0.000	1.608	10th Feb 2023	06:45
		Bhalumaska Trac.	132kV	3.600	0.000	11.600	18th Feb 2023	13:00
		IMFA	132kV	44.920	0.000	48.400	15th Feb 2023	21:00
		Therubali	2x12.5=25	5.268	4.558	7.744	16th Feb 2023	09:15
36	Umerkote	Umerkote	2x20=40	31.868	25.421	34.964	28th Feb 2023	07:30
37	Balugaon	Khalikote Feeder	33kV	17.648	9.832	17.832	27th Feb 2023	19:00
38	Sonepur	Manamunda Feeder	33kV	12.548	8.889	14.076	15th Feb 2023	18:15
39	Tentulikhunti	Mukhiguda Fdr	33KV	-0.008	-0.524	-1.276	28th Feb 2023	18:15
		Vento Energy Solar	132 kV	0.000	0.047	0.280	27th Feb 2023	18:30
40	Boudh	Aditya Birla Solar-I 33kV	33kV	5.193	0.000	25.177	3rd Feb 2023	13:00
41	Damanjodi	Nalco	220kV	33.960	0.000	42.640	18th Feb 2023	19:00
		Nalco	132kV	0.000	0.000	0.000	1st Feb 2023	00:00
		TPSODL TOTAL ENERGY (MU)		704.5634	304.7167	939.8257		



SYSTEM DISTURBANCE IN THE MONTH OF FEBRUARY-2023 (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	Tarkera	01-02-23	04:07	02-02-23 20:20	40:13	220kV Tarkera - Bonai feeder 220kV Tarkera - Rengali feeder	MT					
2	Meramundali	02-02-23	12:38	13:54	01:16	400kV Meramundali - Kamtha circuit-II	At Kamtha end:- Zone-1, B-ph, If=8.7kA, Dist=37km					
3	Anandapur	02-02-23	21:12	21:50	00:38	132kV Anandapur - Jajpur Road circuit-II	At Anandapur end:- Tripped on DP relay, Zone-1, Dist=6.9km, AG type, Fault current Ia=2.5kA, Ib=0.15kA, Ic=0.26kA, Va=18.35kV, Vb=82.89kV, Vc=80.82kV At Jajpur Road end:- Tripped on DP relay, Zone-2, Dist=32.92km, Rf=20.96kV, Fault current Ia=2.782kA, Ib=0.14kA, Ic=0.26kA, Va=109.4kV, Vb=121.9kV, Vc=18.7kV					
4	Tarkera	03-02-23	08:25	06-02-23 08:31	72:06	220kV Tarkera - Bonai feeder 220kV Tarkera - Rengali feeder	MT					
5	New Duburi	04-02-23	16:54	05-02-23 16:31	23:37	220kV New Duburi - JSL circuit-I	At JSL end:- Bus fault			Did not trip at New Duburi end		
6	Atri	05-02-23	09:18	15:37	06:19	220kV Atri - Narendrapur circuit-II	At Atri end:- DP, Zone-1, R-E, Dist=39km, If=2.267kA					
7	Budhipadar	05-02-23	15:48	17:42	01:54	132kV Budhipadar - Bama feeder	At Budhipadar end:- DP operated, Zone-1, FL-Y-B-G, ly=10.47kA, Ib=9.74kA, FD=535.1mtr, MT operated					
8	Meramundali	06-02-23	14:14	20:30	06:16	400kV Meramundali - JSPL circuit-II	B-ph to E, DP, Zone-1, Ia=13kA, Ib=16kA					
9	Budhipadar	06-02-23	14:35	15:58	01:23	132kV Budhipadar - VAL circuit-II	At Budhipadar end:- DP operated, Zone-1, FL-B-G, Ib=9.63kA, FD=11.2km, MT operated					
			14:35	15:34	00:59	220kV Budhipadar - AAL circuit-II	At Budhipadar end:- DP operated, Zone-2, FL-B-G, Ib=4.91kA, Dist=19.14km, MT operated At AAL end:- DP operated, Zone-1, FL-B-G, Ib=10kA, Dist=2km, MT operated					
10	Jaynagar	07-02-23	14:21	14:49	00:28	220kV Jaynagar- Jeypore PG circuit-III	R-G, If=679A					
			14:21	16:43	02:22	220kV Jaynagar - Jeypore PG circuit-IV	R-Y-G, Zone-2, Dist=7.42km, I=8.1kA, ly=6.4kA					
11	Budhipadar	09-02-23	09:45	11:27	01:42	220kV Budhipadar - VAL Circuit-I	At Budhipadar end:- B-E, Dist=8.2km, If=7.64kA					
12	Jagatsinghpur	09-02-23	22:00	22:10	00:10	132kV Jagatsinghpur -Tirtol feeder	At Tirtol end:- Zone-1, B-phase to Ground, Ib=2.06kA, Dist=13.06km					
13	Mendhasal	10-02-23	04:31	14:05	09:34	220kV Mendhasal - Nayagarh feeder	At Mendhasal end:- Facia 1 GR AB trip, AR unsuccessful, Dist.prot.1. Relay Trip, 2. R ph pickup, 3 B ph pickup, Dist= 30.7km, Ia = 4.48kA, Dist prot-2-Relay trip, Rph, Egb pickup, Zone-1, Dist= 30.6km, Ia= 4.23 kA, Backup relay operated, Master relay operated. At Navagarh end:- R-E loop, Dist= 28.2km, I=1.71kA L/C issued for insulator replacement work.					
14	Goda	10-02-23	11:05	13:29	02:24	220kV Goda - Meramundali feeder	At Goda end:- Tripped on Distance protection, Zone-1, Distance=34.43km, Ia=192.7A, ly=3.214kA, Ib=3.379kA			Line test charge done after consulting line authority and it stood ok.		
15	Therubali	10-02-23	13:56	14:06	00:10	220kV Therubali - Indravati circuit-II	At Therubali end:- C-N, Zone-1, Dist=12.79km, Ic=3.97kA, Ia=3.85kA At Indravati end:- C-N, Zone-1, Dist=58km, Ic=934A, Ia=1kA					
16	Paradeep	11-02-23	07:44	07:53	00:09	132kV Paradeep - IFFCO circuit-II	O/C R-ph, IL1=5.67kA, IL2=0.17kA, IL3=0.12kA					
			07:44	09:25	01:41	132kV Paradeep - IFFCO circuit-I	O/C R-ph, IL1=5.68kA, IL2=0.10kA, IL3=0.10kA					
17	TTPS	11-02-23	12:24	13-02-23 13:29	49:05	220kV TTPS - Kamtha feeder	At TTPS end:- R-ph to E, If=8.91kA, Dist=95km			Fault cleared at 10:29hr on 12-02-23 but could not be charged due to breaker lock out at TTPS end.		
18	Sambhalpur	12-02-23	14:30	14:46	00:16	132kV Sambhalpur - Maneswar feeder	At Sambhalpur end:- Tripped on R ph, Zone-2, DP, Dist=8.621km, Ia=2.193kA, Ib=81.74A, Ic=109.3A, Fault resistance=22.07ohm			Tripped from sambhalpur gas, Maneswar availed Power temporarily from Rainakhil Gss.		
			15:32	20:13	04:41		At Sambhalpur end:- Tripped on R ph, Zone-2, DP, Dist=8.7km, Ia= 2.115kA, Ib=77.3A, Ic=106.7A, Fault resistance=23.54ohm					
19	Narasinghpur	12-02-23	15:58	16:13	00:15	220kV Narasinghpur - Bhanjanagar circuit-II	At Narasinghpur end:- Main-1 DP relay operated, Dist=98.8km, R Ph to ground, Fault Current=1478kA, Zone-2 At Bhanjanagar end:- A/R successful					
20	Soro	13-02-23	11:45	12:01	00:16	132kV Soro - Chandipur feeder	At Soro end:- DP Relay- SEL-311C:- Zone-1, Fault Type C-G, Dist=6.69km, Fault Current Ia=41A, Ib=1.913kA, Ic=66A, Ia=0, G=1.894kA At Chandipur end:- Zone-1, Fault Type C-G, Dist=25.56km					
21	Therubali	13-02-23	12:48	13:47	00:59	220kV Therubali - Bhanjanagar circuit-II	At Therubali end:- C-N, Zone-1, Dist=46.46km, Ic=2.475kA At Bhanjanagar end:- Auto recloser success at Bhanjanagar end.					
22	Bargarh	13-02-23	13:22	14:39	01:17	132kV Bargarh - Bargarh New feeder	At Bargarh end:- Ia=264.7A, IB=2.292kA, IC=150.7A, Zone-1, Dist=645.1km, B-E At Bargarh New end:- Zone-2, Dist=23.5km, Y-E			After patrolling the line was charged.		
23	Duburi	13-02-23	13:49	17:09	03:20	220kV Duburi Old - Meramundali circuit-II	E/F					
24	Lapanga	14-02-23	12:57	20:00	07:03	132kV Lapanga - Aryan feeder	At Lapanga end:- R-ph - Y-ph, Dist=2.2km, Zone-1, IL1=12.75kA, IL2=12.9kA, IL3=0.12kA					
25	BC Mohanty	14-02-23	14:25	15:59	01:34	132kV BC Mohanty - Bannipal feeder	At BC Mohanty end:- E/F, DP operated, Ia=3.67kA, Ib=0.38kA, Ic=0.51kA At Bannipal end:- E/F, DP operated, Ia=0.4kA, Ib=0.41kA, Ic=0.54kA	Dairty	Nil			
26	Rengali PH	15-02-23	13:40	15:58	00:18	220kV Rengali PH - Nalcu feeder	E/F					
27	New Duburi	16-02-23	11:49	11:49	00:00	220kV New Duburi - Paradeep circuit-I	At New Duburi end:- Main-1 DP operated, A/R successful, Main-1E- General Trip, B-ph picked up, E/F pick up, Zone-1B Trip 1 Pole trip, Dist=98.8km, A/R command on, IL3=1.99kA, L3E At Paradeep end:- Dist=14.4km, R-ph to ground, Zone-1			A/R successful		
28	Bargarh	17-02-23	00:52	07:13	06:21	132kV Bargarh - Bargarh New feeder	At Bargarh end:- Zone-1, B-E, Dist=6.93km, Ib=143A			After patrolling the line was charged.		
29	Nuaputna	17-02-23	05:17	05:22	00:05	132kV Nuaputna - Arati feeder	At Nuaputna end:- E/F, Zone-2, Dist=74.95km, Ia=999.7A, Ib=73.79A, Ic=71A At Shumka end:- Fault Type - C-N, Dist=23.1km, Zone-Z1, Ia=218.155A, Ib=470.96kA, Ic=322.163A (A/R Successful) At Shumka end:- Fault Type - C-N, Dist=30.05km, Zone-Z1, Ia=201.4A, Ib=427.7A, Ic=2.995kA (A/R Successful)			Source failure		
30	Shumka	17-02-23	05:54	05:54	00:00	132kV Atri - Shumka feeder	At Nuaputna end:- E/F, Zone-2, Zone-3, Dist=63.74km, Ia=348.1A, Ib=470A, Ic=1.262kA					
31	Nuaputna	17-02-23	06:06	06:10	00:04	132kV Nuaputna - Arati feeder	At Bargarh end:- Zone-1, B-E, Dist=0km, IB=143A					
32	Bargarh	18-02-23	20:14	20:32	00:18	132kV Bargarh - Bargarh New feeder						
33	Lapanga	20-02-23	12:35	18:49	06:14	400kV Lapanga - Meramundali circuit-II	At Lapanga end:- R-ph-G, Dist=37.1km, Zone-1, IL1=6.7kA, IL2=0.1kA, IL3=0.09kA At Meramundali end:- R-ph-G, Dist=118.0km, Zone-2, IL1=1.7kA, IL2=0.08kA, IL3=0.09kA					
34	Duburi	20-02-23	20:50	21:56	01:06	132kV Duburi Old - Kalarangi feeder	At Duburi end:- E-F, Zone-1, Dist=13.92km, If=2.478kA At Kalarangi end:- Tripped on O/C R- Phase & E/F(A-N), Zone-1, Dist=3.398km, Fault Current R-Phase=4.161kA, Fault Duration=61.57ms, Relay Trip time=79.88ms					
35	Balasore	22-02-23	00:13	23-02-23 14:40	38:27	220kV Balasore - New Duburi feeder	At Balasore end:- Main-1- A-N, Zone-1, Dist=4.007km, fault current Ia=6.203kA, Ib=343.5A, Ic=328.1A, Main-1E- Fault Loop L1-N, Zone-1, Dist=3.80km, Fault current IL1=6441.01A, IL2=353.56A, IL3=339.32A At New Duburi end:- Main-1- R-ph & E/F- Pick up, Main-1E- R-ph Trip, Zone-1, Dist=142.8km, Fault current Ia=1.409kA, Ib=315A, Ic=317A			At LOC no-434 tension point, R-ph insulator string was punctured and also Y-ph insulator string was damaged.		
36	Kuarmanda	22-02-23	14:22	16:34	02:12	220kV Kuarmanda - Tarkera feeder	E/F					
37	New Duburi	22-02-23	16:22	17:46	01:24	400kV New Duburi - Meramundali circuit-II	At New Duburi end:- Main-1 DP operated, General Trip, R-PH, Y-PH, B-PH Trip, A/R Block. 1st Event: DTT Trip L123 on, Definite trip on, IL1=0.16kA, IL2=0.15kA, IL3=0.15kA, A/R Blocked, 2nd Event: DTT Trip L123on, IL1=0.00kA, IL2=0.00kA, IL3=0.00kA, A/R Blocked, Main-2 DP operated, General Trip, R-PH, Y-PH, B-PH Trip, A/R Block. 1st Event: DTT Trip L123 on, Definite trip on, IL1=0.16kA, IL2=0.15kA, IL3=0.15kA, A/R Blocked, 2nd Event: DTT Trip L123on, IL1=0.00kA, IL2=0.00kA, IL3=0.00kA, A/R Blocked					
38	Pattamundai	23-02-23	05:29	06:43	01:14	132kV Pattamundai - Rajnagar circuit-II	At Pattamundai end:- DP operated, Zone-2, Dist=13.6km, Ia=1.82kA, Ib=0.05kA, Ic=0.07kA At Rajnagar end:- DP operated, Zone-1, Dist=5.6km, Ia=0.99kA, Ib=0.05kA, Ic=0.07kA					
39	Nuaputna	23-02-23	06:14	06:26	00:12	132kV Nuaputna - Arati feeder	At Nuaputna end:- E/F, Zone-2, Dist=73.24km, Ia=280.9A, Ib=91.48A, Ic=1.004kA					
40	Choudwar	23-02-23	06:14	06:35	00:21	132kV Arati - TS Alloy feeder	At TS Alloy end:- O/C, Y-ph, Zone-2					

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)
41	Therubali	23-02-23	13:18	13:39	00:21	220kV Therubali - Indravati circuit-II	<u>At Therubali end</u> - CN, Zone-1, Dist-56.4km, If=1.7kA <u>At Indravati end</u> - CN, Zone-1, Dist-67km				
42	Kachinda	23-02-23	14:59	18:01	03:02	132kV Kachinda - Rajgangpur feeder	<u>At Kachinda end</u> - Tripped Ph B,C, Over current Trip, Relay trip time=20ms, Ia=12.40A, Ib=1.857kA, Ic=1.802kA, Vab=118.5kV, Vbc=30.62kV, Vca=112.2kV			During interruption time Kachinda grid availed power from SMC end.	
43	Rajgangpur	23-02-23	15:02	15:34	00:32	132kV Rajgangpur - Kutra feeder	BCT, IR=17A, IY=1238A, IB=1262A, IG=40A, MT operated, Zone-2, Dist-80.01km				
44	Nuaputna	24-02-23	03:12	03:19	00:07	132kV Nuaputna - Arati feeder	<u>At Nuaputna end</u> - E/F, Zone-2, Dist-73.66km, Ia=232.7A, Ib=124.8A, Ic=1.009kA				
			03:12	03:42	00:30	132kV Arati - TS Alloy feeder	<u>At TS Alloy end</u> - DP, Zone-2, Dist-24.15km				
45	Balasore	24-02-23	10:10	10:23	00:13	132kV Balasore - Ispat Alloys feeder	<u>Fault details</u> - Overpower, fault current- Ir=218.6A, Iy=216.4A, Ib=227.1A			The feeder was tripped due to overpower.	
46	Nimupara	24-02-23	11:24	15:28	04:04	132kV Pratapsasan - Nimupara feeder	Directional O/C & E/F Protection <u>At Pratapsasan end</u> - Zone-1, Bph to E/F, Ic=2.60kA, Dist-12.96km, A/R Operated but Feeder tripped on SOTF.	Nil	Nil	Line was patrolled and tree was found touching the line. Tree trimming was done and Intimated to EMR and charged subsequently.	
47	Tarkera	25-02-23	18:17	21:53	03:36	220kV Tarkera - Bonai feeder	MT				
			18:17	21:53	03:36	220kV Tarkera - Rengali feeder					
48	Chandbali	26-02-23	08:10	08:49	00:39	132kV Chandbali - Olaver Circuit-I	DP operated, Zone-1 <u>At Olaver end</u> - DP Relay Operated, Y-Phase tripped, Zone-2, Dist-12.73km, Ia=0A, Ib=603.1A, Ic=0A, Weather-Intense Fog			132kV Chandbali - Olaver Circuit-II was in service.	
49	Chhend	26-02-23	12:04	12:24	00:20	132kV Chhend - Switching Station(LILO) Kuarmunda feeder	<u>At Chhend end</u> - DP operated, Zone-1, In Back up-E/F, O/C B-phase				
50	Jharsuguda	27-02-23	16:40	18:20	01:40	132kV Jharsuguda - Lapanga feeder	<u>At Jharsuguda end</u> - R & Y phase OPTD, Zone-2, FI=10.02km, Ia=4.498kA, Ib=4.418kA, Ic=0.07kA				
							<u>At Lapanga end</u> - Rph - Yph, Dist-2.5km, Zone-1, IL1-9.15kA, IL2-9.56kA, IL3-0.07kA				
51	Banki	28-02-23	05:08	05:14	00:06	132kV Banki - Atri feeder	Bph-N, Zone-2, IR-0.0kA, IY-0.0kA, IB-1.19kA, Dist-17.0km				
52	Budhipadar	28-02-23	12:53	14:43	01:50	220kV Budhipadar - IB Circuit-II	<u>At Budhipadar end</u> - DP operated, Zone 1, F.L-Y Ph to Ground, Dist-3.318km, IL1-8.675A, IL2-13.58kA, IL3-0A				

SYSTEM DISTURBANCE IN THE MONTH OF FEBRUARY- 2023											
(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	Dhenkikote	03-02-23	08:30	16:38	08:08	132kV Dhenkikote - Karanja feeder	Income failure from Karanja end	Karanja,Dhenkikote	08:08		0.143599991
2	Jalewar	03-02-23	16:25	16:27	00:02	132kV Jalewar - Traction feeder	O/C	Jalewar Traction	00:02		0.000241238
3	Jharuguda	08-02-23	10:45	11:53	01:08	132kV Jharuguda - Utratch feeder	O/C R Phase and EF, I=6.808kA, Iy=59.50A, Ib=73.72A	Utratch	01:08		0.011546006
4	Palasunga	08-02-23	15:13	15:23	00:10	132kV Palasunga - Joda feeder	O/C & E/F TRIP: Back up relay- AGT, IA=540.9A, IB=220.2A, IC=183.0A, Ia=0.04A, Ig=397.5A	Palasunga,Palasunga RTSS,MSP,OSL	00:10		0.004691147
5	Sambhalpur	10-02-23	14:58	15:04	00:06	132kV Sambhalpur - Manewar feeder	At Sambhalpur end:- Tripped on R ph, Zone-2, DP, Dist-8.74km, Ia=2.02kA, Ib=93.8A, Ic=121.7A, Fault resistance=24.9ohm	Manewar	00:06		0.000375224
6	Kesinga	10-02-23	16:40	16:46	00:06	132kV Kesinga - Khariar feeder	O/C	Khariar, Kantabanj,Kantabanj RTSS,Nuapada	00:06		0.005408113
						132kV Nuapada - Khariar feeder	Income failure from Khariar end				
7	Kesinga	11-02-23	12:14	12:19	00:05	132kV Kesinga - Lanjigarh feeder	O/C	Lanjigarh RTSS	00:05		0.000523015
8	Maniguda	11-02-23	12:15	12:30	00:15	132kV Maniguda - RTSS feeder	Transient fault	Maniguda RTSS	00:15		0.001537393
9	Kesinga	11-02-23	12:34	12:49	00:15	132kV Kesinga - Lanjigarh feeder	O/C	Lanjigarh RTSS	00:15		0.001569044
10	Maniguda	11-02-23	12:35	17:40	05:05	132kV Maniguda - RTSS feeder	Transient fault	Maniguda RTSS	05:05		0.031264391
11	Kantabanj	12-02-23	01:10	01:15	00:05	132kV Kantabanj - Railway feeder	Tripped on Overcurrent (line to line fault)	Kantabanj RTSS	00:05		0.000266276
12	Dhenkanal	13-02-23	13:34	13:37	00:03	132kV Dhenkanal - Joranda Road Traction feeder	The line tripped during testing through SCADA system due to DC earth leakage in main isolator MCB. After resolving the fault the line charged & it stood ok.	Joranda Traction	00:03		0.000828883
13	Bhawanipatna	14-02-23	17:42	17:47	00:05	132kV Bhawanipatna -RTSS feeder	E/F, O/C	Bhawanipatna RTSS	00:05		0.000575162
14	Dhenkikote	16-02-23	16:08	16:20	00:12	132kV Dhenkikote - Karanja feeder	Income failure from Karanja end	Karanja,Dhenkikote	00:08		0.002354098
15	Joda	17-02-23	11:25	11:50	00:25	220kV Joda - Telkoi feeder	At Joda end:- D.F.Relay (Main-1: CN trip, Zone-1, Dist=73.39km, Fault Current- Ia=35.89A, Ib=39.64A, Ic=1.369kA, VAN=127.2kV, VIBN=130.3kV, VCN=112.3kV At Telkoi end:- DP relay- Zone-1, Dist=37.90km, Fault Current- Ia=124A, Ib=162.9A, Ic=1.718kA	Telkoi	00:25	The said feeder tripped simultaneously during tripping of 220kV Telkoi-Joda feeder.	0.000642403
			11:27	12:07	00:40	220kV Telkoi - TTPS feeder	Tripped on distance protection from TTPS end while CB of said feeder was in closed condition at Telkoi end. At TTPS end:- Distance trip C-Phase, Trip Zone-1, IA=20.16A, IB=60.1A, IC=14.15A, Fault location not detected in relay.				
16	Balasore	18-02-23	08:31	08:47	00:16	132kV Balasore - Iqur Alloys feeder	fault indication-II-ph, O/C & E/F, fault current- Ic=182.3A, Ib=212.3A, B=1.088kA	Iqur Alloys	00:16	Capacitor bank unit was flashed at Iqur Alloys end	0.011220302
17	Palasunga	19-02-23	15:44	15:52	00:08	132kV Palasunga - Joda feeder	O/C TRIP-Back up relay- AB T.O/C ( R-PH ) IA=506.8A, IB=572.8A, IC=296.2A, Ia=0.04A, Ig=7.86A	Palasunga,Palasunga RTSS,MSP,OSL	00:08		0.003752917
18	Soro	20-02-23	10:16	10:31	00:15	132 KV Soro-Chandpur Line	At Soro end:- DP Relay- SEL-311C- 132kV Soro-Chandpur Breaker didn't trip. Trip Phase-Y-Phase to Ground, Dist-34.53km At Chandpur end:-	Soro	00:15	132 KV Soro-Chandpur Line was charged at 10:31 Hr From Chandpur Grid End & Power Supply Restored at Grid S/S, Soro.	0.006456767
			10:16	10:31	00:15	132/33kV 40MVA Trf No-I	Source Failure				
			10:16	10:31	00:15	132/33kV 40MVA Trf No-II	Source Failure				
			10:16	10:31	00:15	132/33kV 40MVA Trf No-III	Source Failure				
			10:16	12:07	01:51	132kV Bhadrak - Soro feeder	At Bhadrak end:- Tripped on Y-ph, Zone-II, Dist=37.35km, IA=200.2A, IB=1.963kA, IC=194.3A At Soro end:- Tripped on Y-ph, Zone-I, Dist=1.959 km, Ia =0.2kA, Ib=1.57kA, Ic=0.2kA				
19	Salpur	21-02-23	03:01	03:42	00:41	132kV Salpur - OCL feeder	At Salpur end:- DP operated, Active Group 2, Started Phase AN, Tripped Phase ABC, Started Element Distance, Distance Trip Z 1, Fault Alarm No, Fault in zone-Zone II, System frequency=49.91Hz, Fault duration 162.0ms, Relay Trip Time=18.14ms, Fault location XY 26.02km, IA=1.692kA, IB=151.7 A, IC=40.53A, VAN=44.87kV, VIBN=74.49kV, VCN=75.28kV, Fault resistance XY 2.7990hm	OCL	00:41		0.000964595
20	Atri	21-02-23	12:15	17:53	05:38	220kV Atri - Narendraapur circuit-II	DP, Zone-1, R-E, Dist-51.94km, B=1.53kA	Bahugan,Solari RTSS	00:05	Incoming power supply availed from Chandpur end at 12:39Hrs.	0.005367913
			12:34	12:39	00:05	132kV Solari Traction - Bahugan feeder	132kV Chhatrapur incoming power supply failure.				
						40 MVA TRF-I	132kV Chhatrapur incoming power supply failure.				
						20 MVA TRF-II	132kV Chhatrapur incoming power supply failure.				
						12.5 MVA TRF-III	132kV Chhatrapur incoming power supply failure.				
			12:34	17:04	04:30	132kV Chhatrapur - Bahugan feeder	Tripped on R,Y-Ph, Zone-1, Dist-17.83km, Ic=109.2A, Iy=3.603kA, B=3.513kA				
			12:34	17:05	04:31	132kV Bahugan - Chhatrapur feeder	At Chhatrapur end:- MICOM ALSTOM P444 DP relay-B, C phase, Zone-1, Dist=17.83km, Ia=109.2A, B=3.603kA, Ic=3.513kA				
21	Meramundali	21-02-23	15:17	17:37	02:20	220kV Meramundali - Narasingpur feeder	Zone-1, R-E, B=11.36kA	Narasingpur	01:13		0.010901036
22	Kesinga	22-02-23	14:23	14:33	00:10	132kV Kesinga - Khariar feeder	DP	Khariar, Kantabanj,Kantabanj RTSS	00:10		0.000628105
			14:24	14:38	00:14	132kV Kantabanj - Khariar feeder	Tripped on Overcurrent at GSS Kesinga				
23	Boudh	24-02-23	18:08	18:35	00:27	132kV Boudh - Sonapur feeder	E/F, Zone-1	Boudh	00:27		0.0013568977
24	Maniguda	27-02-23	08:10	08:12	00:02	132kV Maniguda - RTSS feeder	Over Load	Maniguda RTSS	00:02		0.000205012
25	Palasunga	28-02-23	08:23	08:26	00:03	132kV Palasunga - Railway feeder	O/C TRIP-Back up relay- O/C ( R-PH ) IA=390A, IB=234.4A, IC=72.46A, INM=6.851A, IND=6.989A	Palasunga RTSS	00:03		0.000366723

# AUTO TRANSFORMER LOADING FOR THE MONTH OF FEBRUARY'2023

Name of the 220 kV Sub-Station ( Feeding Sub-stations/Feeders )	Capacity	Drawal details						REMARKS
		Maximum			Minimum			
		MVA	MW	Day	Time	MW	Day	
ATRI { Banki, Khurda, Chandpur & Argul }	2x160	75.72	10th Feb 2023	08:00	25.92	3rd Feb 2023	03:00	
		75.64	10th Feb 2023	08:00	13.72	6th Feb 2023	16:00	
ASKA NEW	2x160	106.76	14th Feb 2023	08:45	22.40	28th Feb 2023	13:15	
		98.16	12th Feb 2023	09:45	22.20	28th Feb 2023	13:15	
BALASORE 220/132 KV { Balasore, Birla Tyre(I), Ispat Alloy(I), Jaleswar, Jaleswar(T) }	3x160	72.24	7th Feb 2023	08:00	35.88	2nd Feb 2023	16:00	
		72.08	7th Feb 2023	08:45	34.76	2nd Feb 2023	16:45	
		71.08	7th Feb 2023	08:00	35.08	2nd Feb 2023	15:45	
BAMRA 220/132/33KV	1x160							
BARGARH 220/132 kV	1x100	110.88	27th Feb 2023	18:45	23.24	11th Feb 2023	14:30	
	1x160	67.88	27th Feb 2023	18:45	14.08	11th Feb 2023	14:30	
BHADRAK 220/132 KV {Bargarh, Ghensh}	1x100	43.16	7th Feb 2023	11:45	10.52	7th Feb 2023	17:00	
	1x160	50.04	28th Feb 2023	21:00	22.12	5th Feb 2023	02:30	
	1x160	50.48	28th Feb 2023	21:00	22.00	5th Feb 2023	02:00	
BHANJANAGAR 220/132 KV { Bhanjanagar, Aska, Phulbani, Ganjam, }	1x160	78.12	21st Feb 2023	18:30	13.32	23rd Feb 2023	12:30	
	1x160	69.04	21st Feb 2023	18:30	11.48	23rd Feb 2023	12:30	
BIDANASI 220/132 KV {Bidanasi, Khurda }	1x100	34.04	27th Feb 2023	21:00	0.20	16th Feb 2023	11:15	
	1x100	0.00	UNDER SHUTDOWN					00:00
	1x160	48.48	27th Feb 2023	21:00	0.72	17th Feb 2023	05:15	
BOLANGIR (SADAIPALLI) 220/132 KV { Bolangir, Patnagarh, Sonepur, Saintala, Khariar, Barpalli }	2x160	114.04	12th Feb 2023	18:30	0.04	12th Feb 2023	12:30	
		114.04	12th Feb 2023	18:30	0.04	12th Feb 2023	12:30	
		105.88	2nd Feb 2023	18:45	0.08	5th Feb 2023	14:15	
BUDHIPADAR 220/132 KV { Jharsuguda, Jharsuguda Tr, Cemco(I), }	2x160	97.36	15th Feb 2023	17:30	40.76	5th Feb 2023	00:45	
		94.28	9th Feb 2023	14:45	28.24	11th Feb 2023	05:45	
CHANDAKA 220/132 KV { Chandaka, Bhubaneswar, Nimapada, Ransinghpur, Puri,Kesura, Kaipadar Tr. }	1x100	38.64	28th Feb 2023	14:15	14.60	6th Feb 2023	02:15	
	1x160	62.00	24th Feb 2023	12:30	25.36	6th Feb 2023	02:15	
	1x100	41.92	28th Feb 2023	14:15	15.68	6th Feb 2023	02:15	
	1x160	64.80	28th Feb 2023	14:15	24.12	6th Feb 2023	02:15	
CUTTACK	1x160	46.12	25th Feb 2023	20:45	20.20	3rd Feb 2023	04:00	
	1x100	28.24	25th Feb 2023	20:45	12.32	7th Feb 2023	02:45	
DUBURI 220/132 KV {Duburi, Bamnibal(I), BRPL, MESCO, Jaipur Road, Kalarangi, Jaipur Town}	1x160	65.20	3rd Feb 2023	09:00	21.00	6th Feb 2023	13:30	
	1x160	62.28	14th Feb 2023	10:30	20.00	6th Feb 2023	13:30	
	1x160	39.36	3rd Feb 2023	09:00	12.48	6th Feb 2023	13:30	
GODA	1x160							
	1x160							
Gunupur	1x160							
	1x160							
JAYAPATNA 220/132 KV.								
JAYANAGAR 220/132 KV. [Damanjodi(NALCO), Traction S/Ss,	1x160	9.37	6th Feb 2023	11:00	0.78	8th Feb 2023	13:30	
	1x160	53.56	15th Feb 2023	19:30	1.32	15th Feb 2023	11:45	
JODA 220/132 KV { Joda,Tensa, FAP(I), Bolani(I), Nalda Tr.,Polasponga, *Rairangpur, Bhalulata	1x160	59.60	4th Feb 2023	19:30	27.56	8th Feb 2023	15:15	*** - Alternate P/S from Kuchei.
	1x160	60.68	4th Feb 2023	19:30	27.48	8th Feb 2023	15:15	
	1x160	49.48	4th Feb 2023	19:30	22.72	8th Feb 2023	15:15	
KAURMUNDA 220/132 KV	1x160							
KATAPALI 220/132 KV {Chipilima,Bargarh, ACC,Sonepur & Katapali area load.}	1x100	26.72	28th Feb 2023	12:00	0.04	6th Feb 2023	06:15	Supported by Burla & Chipilima power.
	1x100	25.80	25th Feb 2023	11:00	0.04	10th Feb 2023	19:45	
	1x160	40.12	28th Feb 2023	12:00	0.04	1st Feb 2023	21:30	
KESINGA	2x160	74.48	3rd Feb 2023	17:45	0.16	2nd Feb 2023	13:45	
		75.38	3rd Feb 2023	17:45	0.02	2nd Feb 2023	12:15	
LAPANGA {Kuchinda, Aryan Viraj, Shyam Metallics}	2x160	97.36	15th Feb 2023	17:45	5.84	9th Feb 2023	09:45	
		79.56	15th Feb 2023	11:45	23.04	24th Feb 2023	15:30	
MERAMUNDALI 220/132 kV {Meramundali Traction, Dhenkanal, Navchrome(I), Hind Metal, Aarti,BRG}	3x100	37.00	12th Feb 2023	19:30	0.04	10th Feb 2023	10:15	
		36.44	12th Feb 2023	19:30	0.04	10th Feb 2023	11:15	
		33.48	12th Feb 2023	19:15	0.16	10th Feb 2023	10:30	
Mendhasal { Part area load of Khurda S/S}	2x100	33.19	6th Feb 2023	08:15	8.82	18th Feb 2023	16:15	
		31.33	6th Feb 2023	08:15	8.49	18th Feb 2023	16:15	
NARENDRAPUR 220/132KV { Narendrapur, NarendrapurTr, Berhampur, Chhatrapur, Ganjam, Balugaon, }	2x160	65.32	21st Feb 2023	18:30	0.56	13th Feb 2023	15:15	
		74.28	1st Feb 2023	07:15	0.04	8th Feb 2023	13:45	
	1x100	42.68	1st Feb 2023	07:15	0.04	2nd Feb 2023	10:15	
PARDEEP 220/132 KV { Paradeep, Kendrapada, Pattamundai, Chandikhol, Cuttack, Jagatsinghpur, }	1x100	35.56	24th Feb 2023	11:15	12.16	9th Feb 2023	14:15	
	1x160	55.60	27th Feb 2023	10:45	20.28	9th Feb 2023	14:15	
	1x160	57.40	24th Feb 2023	11:00	20.20	9th Feb 2023	14:15	
Pratapsasan	1x160							
TARKERA 220/132 KV [ Rourkela, Rourkela Tr.,RSP(I), Chhend , Adhunik Metal, Rajgangpur, OCL(I), Rajgangpur Tr.]	1x100	0.00	1st Feb 2023	00:00	0.00	1st Feb 2023	00:00	
	1x100	70.16	9th Feb 2023	10:15	15.20	22nd Feb 2023	11:30	
	1x100	68.88	9th Feb 2023	10:15	20.28	8th Feb 2023	14:00	
	1x100	67.56	9th Feb 2023	10:15	5.00	22nd Feb 2023	11:30	
THERUVALLI 220/132 KV. {Theruvalli, IMFAL(I), JK(I), Junagarh, Kesinga,Powmex(I), Rayagada, }	1x100	37.56	20th Feb 2023	18:30	0.04	8th Feb 2023	14:15	Rayagada & Paralakhemundi can be fed from Machhkund system.
	1x100	39.36	20th Feb 2023	18:30	0.04	8th Feb 2023	13:30	
	1x160	60.28	20th Feb 2023	18:45	0.04	1st Feb 2023	11:00	
TTPS 220/132 KV { Chainpal, FCI (I), Angul, MCL Nandira(I), }	1x160							
	1x160							
SAMANGARA { Puri, Nimapara & Konark}	2x160							

STATEMENT OF UFR OPERATION IN GRIDCO SYSTEM DURING THE MONTH OF FEBRUARY-2023											
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 FEBRUARY- 2023**

<b>Sl. No</b>	<b>Date</b>	<b>Details of event</b>
1	17-02-2023	At 17:18hrs, 132kV 2-Phase SC line was charged from 132/33kV GSS, Kamakhyanagar for extension of P/S to RTSS Kamakhyanagar.
2	17-02-2023	At 21:01hrs 400kV GMR-Meramundali B SC Line & at 20:58hrs, 400kV Meramundali B-Meramundali A line were charged after LILO of 400kV GMR-Meramundali A SC Line at Meramundali B GIS.
3	28-02-2023	At 18:15hrs and at 18:16hrs, 132/33kV 20MVA Power Transformer No-II & 01 no 132kV feeder bay were charged at 132/33KV GSS, Birmaharajpur.