SYSTEM PERFORMANCE REPORT

JUNE'2023

SLDC, OPTCL
BHUBANESWAR – 17

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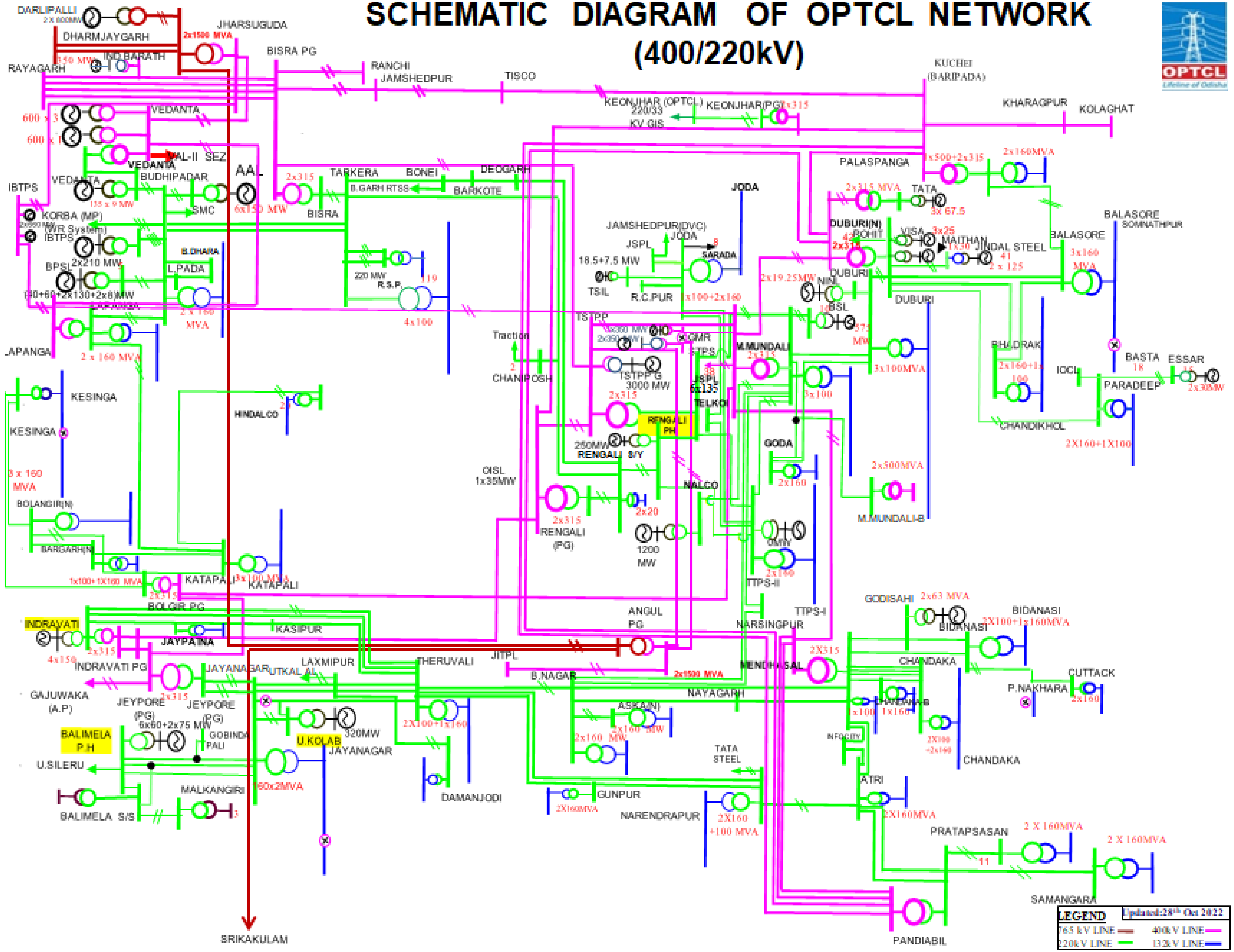
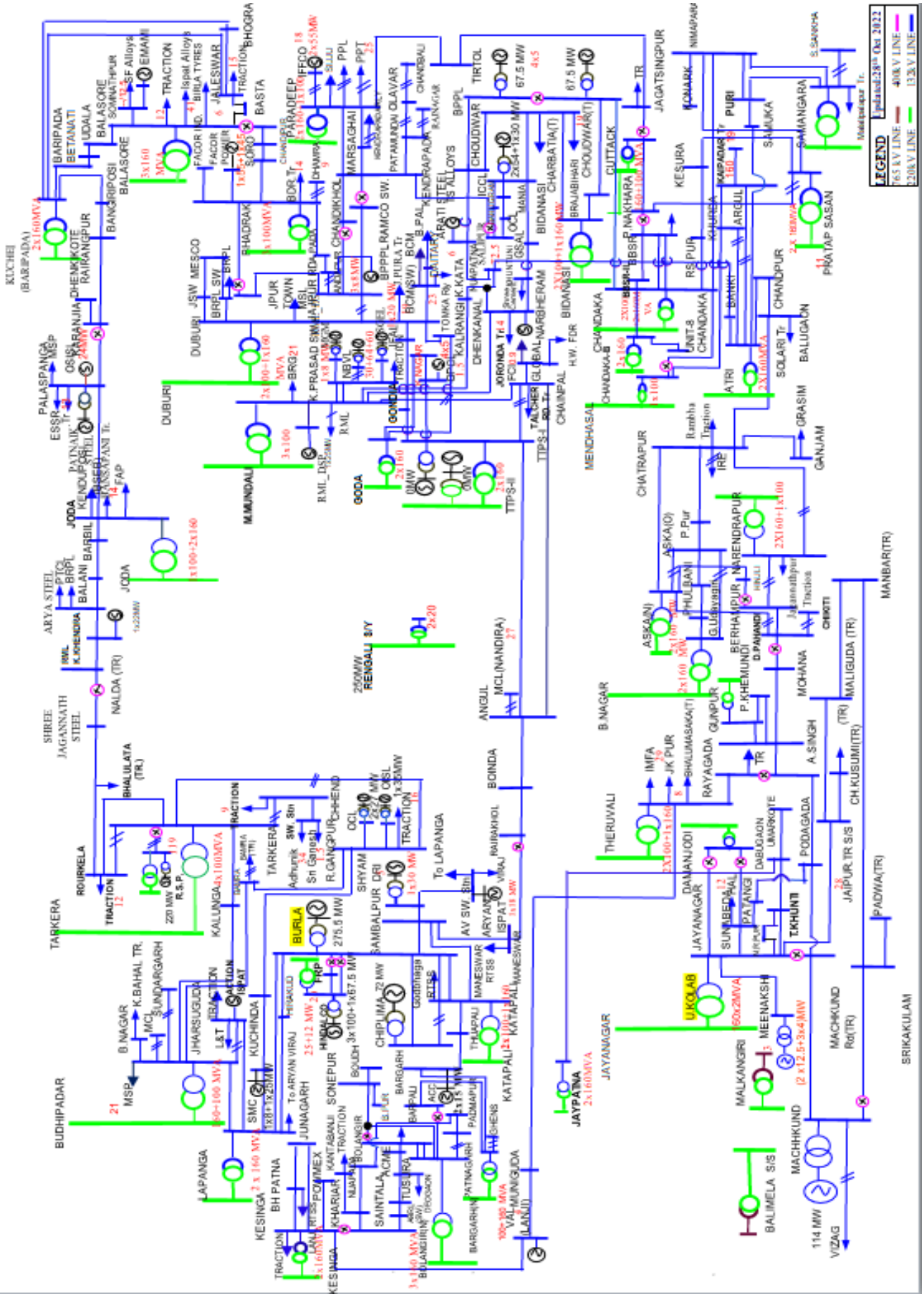
SCHEMATIC DIAGRAM OF OPTCL NETWORK (400/220kV)



SCHEMATIC DIAGRAM OF OPTCL NETWORK (132kV)



SUMMARY REPORT FOR JUNE- 2023

A. Voltage Profile

			Date & Time	Location
220 KV				
	Maxm. -	263.78 kV	16.06.2023 10:45Hrs	Atri
		>240 KV		Atri, Balimela, Infocity, Laxmipur, Malkangiri, Narendrapur, Nayagarh
	Minm. -	189.54 kV	10.06.2023 14:15 Hrs	Cuttack
		< 200 KV		Atri, Bidanasi, Chandaka, Infocity, Narendrapur, Paradeep
132 KV	Maxm. -	157.15 kV	16.06.2023 10:45 Hrs	Narendrapur
		>145 KV		Khariar, Narendrapur
	Minm. -	111.54 kV	07.06.2023 23:15 Hrs	Puri
		< 120 KV		Bhubaneswar, Berhampur, Bargarh, Bhadrak, Bidanasi, Chandaka, Cuttack, Jajpur Town, Jayanagar, Kantabanji, Jaleswar, Khurda, Nuapada, Paradeep, Puri, Chatrapur

B. Frequency Profile

			Date & Time
	Maxm. -	50.39 Hz	14.06.23 08:00 Hrs.
	Minm. -	49.52 Hz	14.06.23 22:34 Hrs.
	Average -	50.00 Hz	

% of time the freq. is within 49.9 Hz to 50.05 Hz (IEGC band) -	68.18%
% of time the freq. is > 50.05 HZ -	24.85%
% of time the freq. is ≤49.9 HZ -	6.97%
% of time the freq.is < 48.5 HZ -	0.00%

C. Demand Profile

Peak System Demand	6287.11 MW	At 16:00 Hrs on 05.06.23
Minimum System Demand	3234.37 MW	At 19:00 Hrs on 10.06.23
Average System Demand	4823.75 MW	

D. Major events

Sl. No	Date	Details of event
1	05-06-2023	At 20:43 hrs, 132kV SC line on DC tower(Two conductor) from 220/132/33kV Grid S/S, Gunupur to proposed RTSS at Palasingi along with 132kV feeder bay were extended at 220/132/33kV Grid S/S, Gunupur.
2	06-06-2023	At 14:06 hrs and 14:42 hrs, 132kV & 33kV Switchyard (01 No of 132kV Transformer Bay, 01 No of 132kV Bus Coupler Bay & 132/33kV 40MVA Power Transformer No-II along with 33kV temporary cable & 03 Nos of 33kV Bay) were charged at 220/132/33kV Grid S/S, Dhamra respectively.
3	22-06-2023	At 20:20 hrs, 132kV feeder Bay was extended at 132/33kV Bhawanipatna Grid S/S & 132kV 2 conductor SC line from 132/33kV Bhawanipatna Grid S/S to proposed RTSS of Bhwanipatna.
4	22-06-2023	At 20:04 hrs and 21:08 hrs, 132kV Budhipadar – Lakhanpur line & 132 KV Brajrajnagar – Jorabaga MCL line were charged respectively by making LILO arrangement from Loc. No-17 of existing 132kV Budhipadar- Jorabaga MCL Ckt-II & utilizing 132kV Brajrajnagar – Lakhanpur Ckt-II.
5	23-06-2023	At 14:34 hrs, 132kV Switchyard was charged at 132/33kV Grid S/S Bhatli along with 132/33kV 40MVA Power Transformer No-I and 132kV Bargarh New-Bhatli DC line.
6	28-06-2023	At 13:40 hrs, 8.92MW WHRS CGP Unit of M/S Shiva Cement Ltd. Kutra was synchronised with OPTCL Network through 132kV Shiva Cement line having connectivity from 132kV LILO Switching Station, Kutra.

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
	TOTAL HYDRO (A)	**2099.8**		
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	-	-		
9	DARLIPALI STPS	2X800	58.82	941.18		
		TOTAL ISGS		**1849.96**		

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

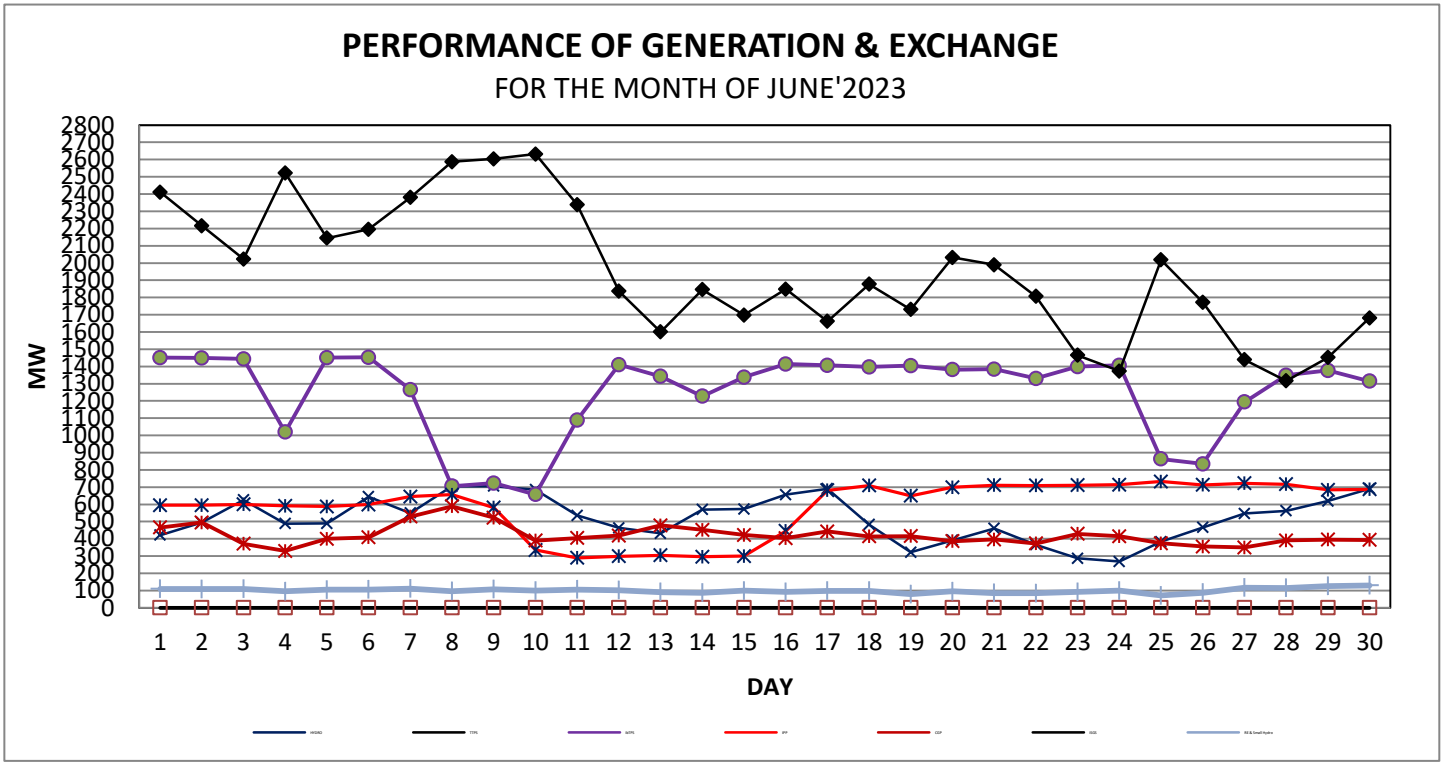
*** Odisha Share in FSTPS I & II and in KHTPS I surendered (346 MW) by Odisha and reallocated to Gujarat wef 00:00Hrs of 04.09.2021.**

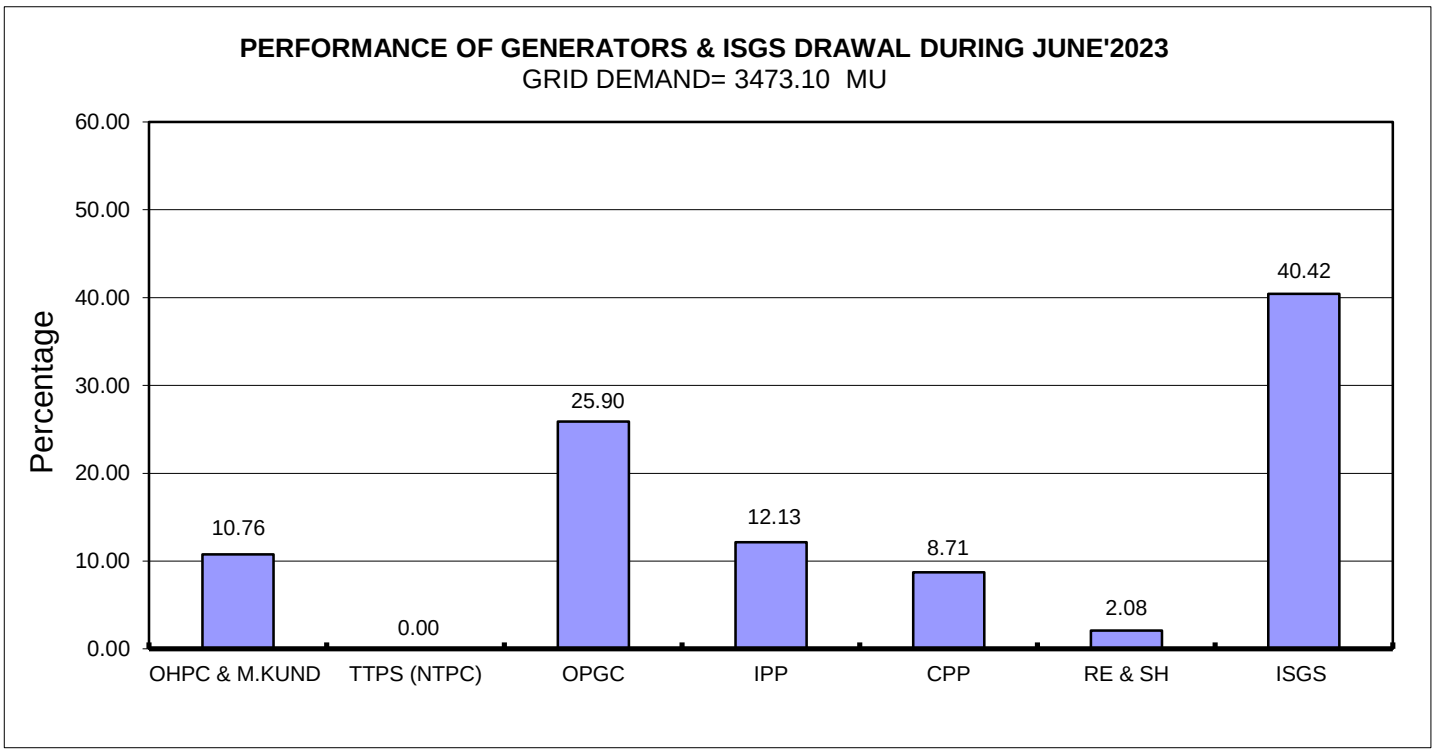
CAPACITY OF IPP, CPP, SMALLL HYDRO & RENEWABLE

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	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
		TOTAL	**1813.5**		
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	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
		TOTAL	**10013**		

RENEWABLE PROJECTS

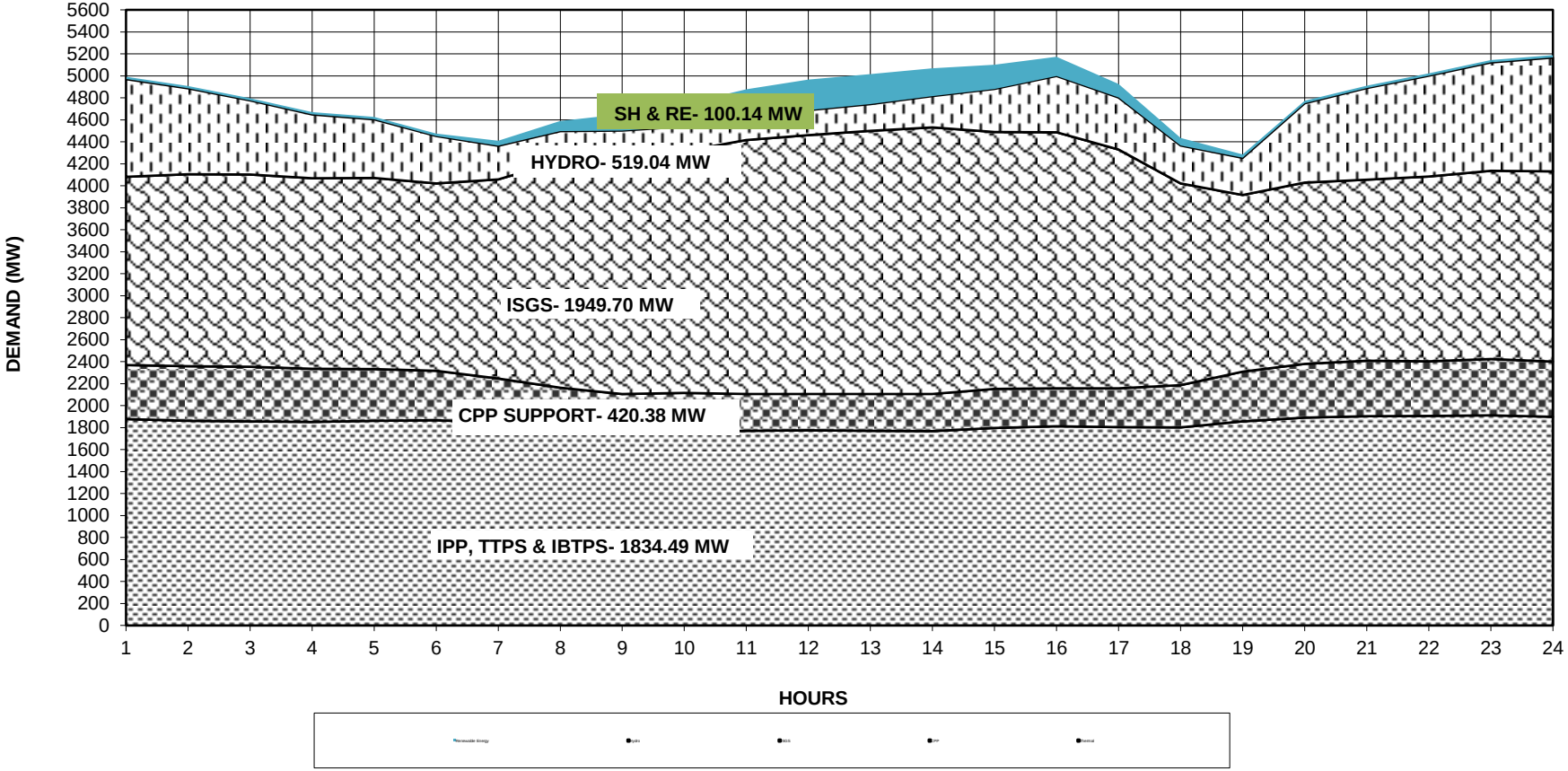
Sl.No	POWER STATION	INSTALLED CAPACITY	TOTAL	TYPE		CONNECTIVITY VOLTAGE
1	ABACUS HOLDINGS PVT. LTD, SONEPUR	1 MW	1	SOLAR		11 KV
2	AFTAAB SOLAR PVT. LTD. ,BOLANGIR (N)	5 MW	5	SOLAR		33 KV
3	ALEX GREEN ENERGY PVT LTD. PATNAGARH	5 MW	5	SOLAR		33 kV
4	JAY IRON & STEEL, BAMARA	1 MW	1	SOLAR		11 KV
5	J.K. PAPER 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	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 URGA 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
		TOTAL	**479.5**			
	GRAND TOTAL (SMALL HYDRO,IPP & CPP)		**17995.76**			


PERFORMANCE OF GENERATION & EXCHANGE
FOR THE MONTH OF JUNE'2023
MW
DAY

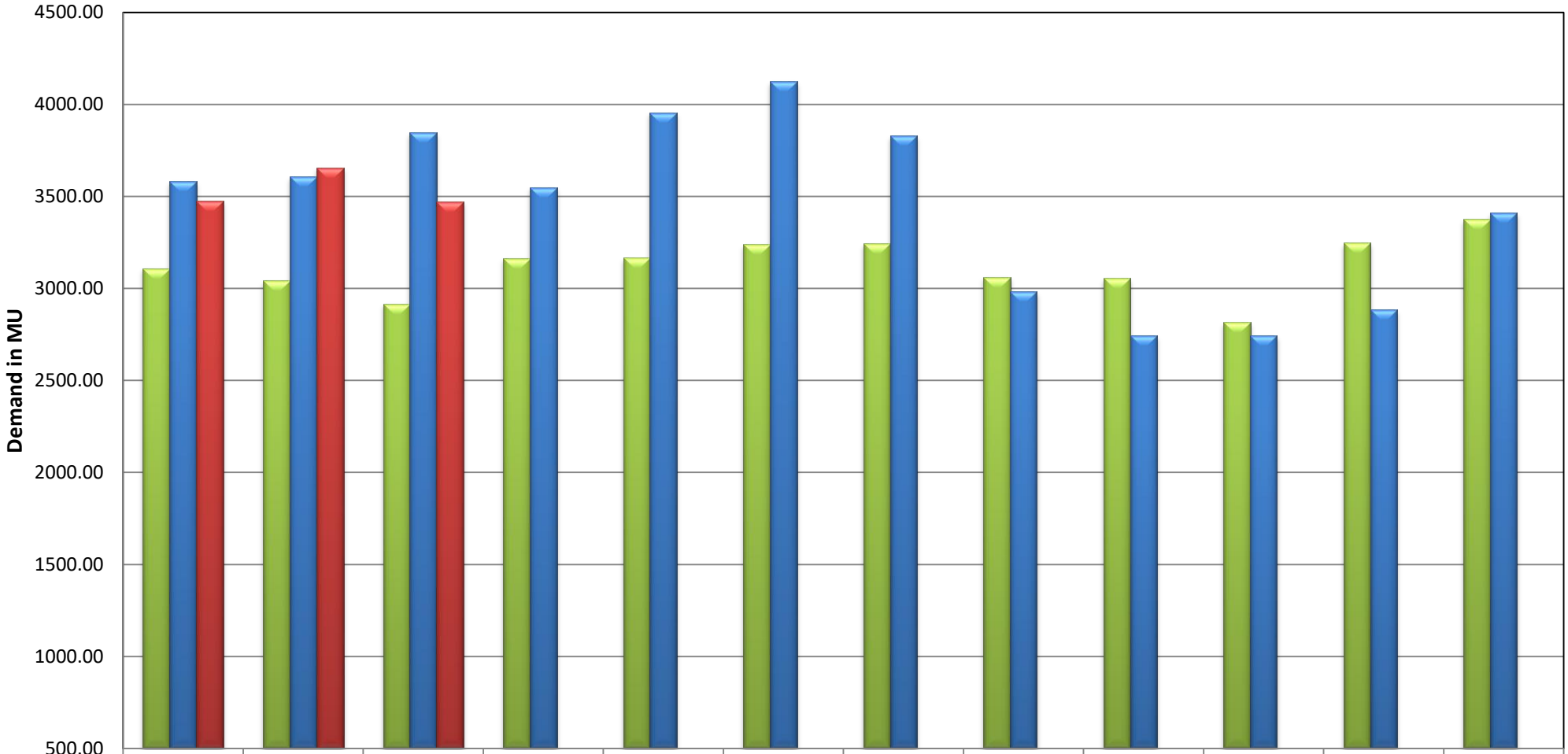

PERFORMANCE OF GENERATORS & ISGS DRAWAL DURING JUNE'2023
GRID DEMAND= 3473.10 MU
Percentage
10.76
0.00
25.90
12.13
8.71
2.08
40.42
OHPC & M.KUND
TTPS (NTPC)
OPGC
IPP
CPP
RE & SH
ISGS

AVERAGE GRID DEMAND [HOURLY] FOR THE MONTH OF JUNE'2023

Average Demand= 4823.75 MW



COMPARISION SYSTEM DEMAND WITH PREVIOUS FINANCIAL YEAR



	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR
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
2022-23	3582.08	3606.47	3846.34	3550.46	3957.33	4124.96	3830.94	2982.39	2742.14	2744.09	2884.28	3410.51
2023-24	3478.03	3657.54	3473.10									

MONTHLY GENERATION & DEMAND REPORT FOR THE STATE OF ODISHA IN THE MONTH OF JUNE- 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	4.644	5.279	4.225	5.604	9.945	6.477	0.151	0.000	36.325	50.451	0.238	201.40	30	24:00
2	Chipilima	9.797	5.780	5.232	-	-	-	-	-	20.809	28.901	0.115	74.19	25	08:00
3	Balimela	14.925	15.057	0.000	0.000	25.073	19.081	10.651	10.480	95.266	132.314	0.625	366.65	21	01:00
4	Rengali	8.183	7.629	9.163	9.540	5.055	-	-	-	39.571	54.960	0.102	182.98	2	23:00
5	Upper Kolab	4.860	0.000	2.859	1.765	-	-	-	-	9.484	13.172	0.130	207.79	10	22:00
6	Upper Indravati	57.217	40.998	45.120	0.000	-	-	-	-	143.334	199.075	3.524	456.30	15	03:00
7	Total Hydro (OHPC)	-	-	-	-	-	-	-	-	**344.790**	478.875				
8	Machhakund (Odisha drawal)	-	-	-	-		-	-	-	34.355	47.715		63.81	15	20:00
9	Total Hydro	-	-	-	-	-	-	-	-	379.145	526.590		1397.94	10	22:00
10	IBTPS-I	112.16	125.504	-	-	-	-	-	-	237.659	330.082	28.013	1468.14	7.00	11:00
11	IBTPS-II			317.360	422.140	-	-	-	-	739.500	1027.083	42.164			
12	Total IBTPS									977.159	1357.165				
13	IPPs & CGPs Support	-	-	-	-	-	-	-	-	785.741	1091.307				
14	Total Thermal & IPPs & CGP	-	-	-	-	-	-	-	-	1762.900	2448.472		2789.59	23	23:00
15	Injection by Renewable projects	64.082								64.082	89.002				
16	Total self generation	-	-	-	-	-	-	-	-	2206.126	3064.064	74.909	4089.20	29	23:00

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 :-

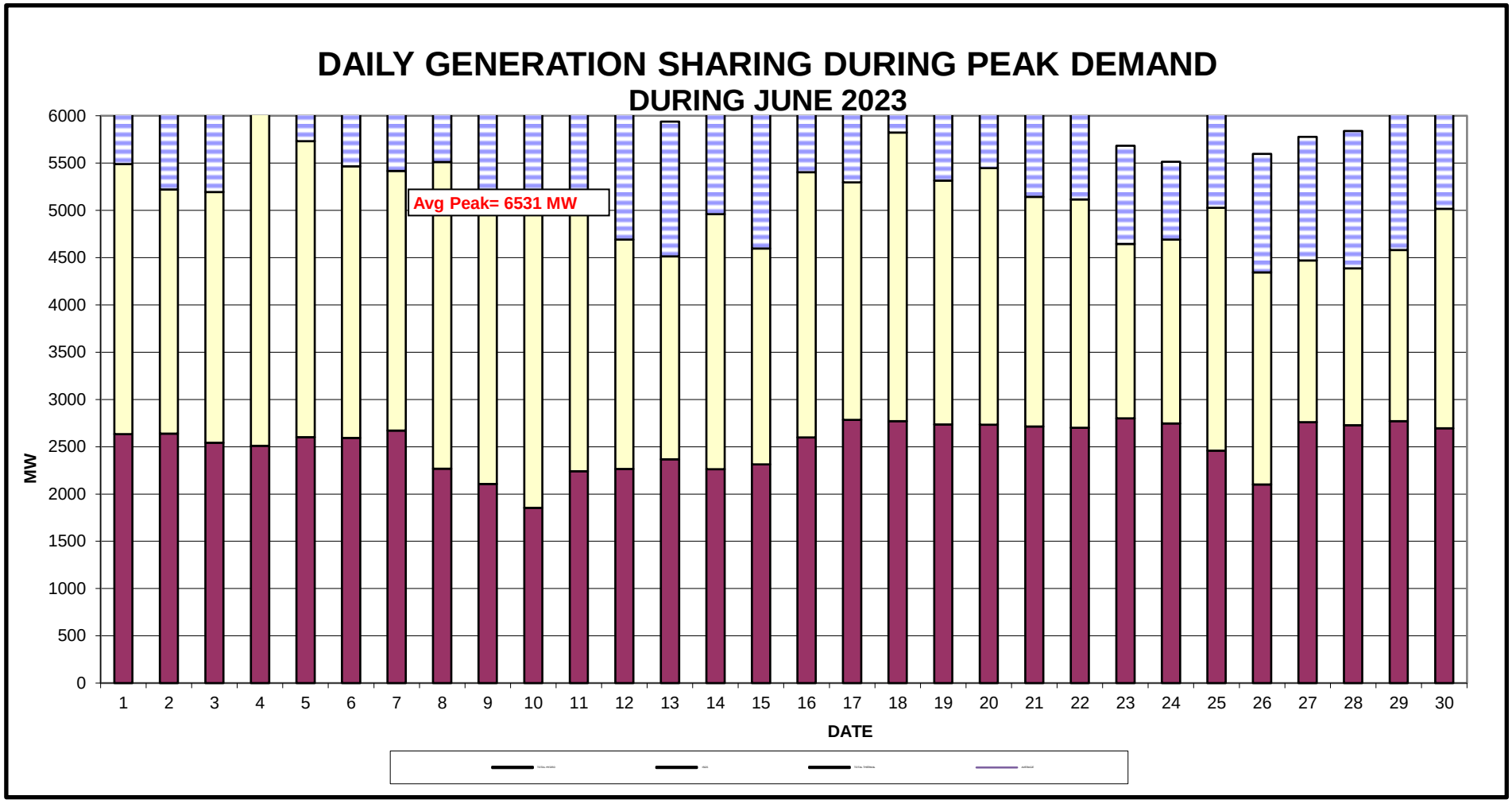
SL No.	Name of IPP / CGPs	Injection in (MU)	Average (MW)	Maximum Injection (MW)	DATE	TIME (Hr.)
1	Aarti Steel Ltd, ghantikhal	4.165	5.785	15.00	1	01:00
2	AAL	0.712	0.989			
3	Action Ispat	0.000	0.000			
4	Aryan Ispat,	5.626	7.814			
5	BPPL	70.422	97.808	128.32	30	13:00
6	BPSL, Jharsuguda	4.582	6.364	56.05	7	17:00
7	TSBSL, Meramundali	39.013	54.185	144.22	6	15:00
8	GMR Kamalanga Energy Ltd.(IPP)	211.801	294.168			
9	HINDALCO, Hirakud	2.635	3.659			
10	IFFCO, Paradeep	0.0000	0.000			
11	IMFA , Choudwar	31.389	43.596	64.08	20	10:00
12	JINDAL, New Duburi	2.366	3.286	60.31	11	24:00
13	JSPL, Angul	10.681	14.834	15.78	15	24:00
14	Mahavir Ferro Alloys	0.000	0.000			
15	Maithan Ispat Ltd.	4.815	6.687			
16	Meenakshi Power Ltd. (SH)	6.181	8.584			
17	MSP, Jharsuguda	1.162	1.614			
18	NALCO , Angul	10.816	15.022	47.37	13	03:00
19	Narbheram	0.654	0.908			
20	NBVL , Kharag Prasad	66.209	91.957	114.39	3	24:00
21	NINL , Duburi	0.000	0.000			
22	OCL	5.385	7.479			
23	OPCL, Samal (SH)	6.465	8.979			
24	BPPLT	3.290	4.569			
25	Saptadhara	0.655	0.909			
26	Kakatiya	0.000	0.000			
27	PSAL, Keonjhar	0.000	0.000			
28	RSP , Rourkela	0.591	0.821			
29	Shree Ganesh	0.219	0.305			
30	Shyam Metallics	0.178	0.247			
31	SMC Power	17.738	24.636			
32	SMC-II	4.186	5.813			
33	TSLPL	13.053	18.129			
34	Vedanta Ltd. (IPP-Unit-2)	198.620	275.861			
35	Vedanta, Jharsuguda	61.666	85.647			
36	Vedanta, Lanjigarh	0.385	0.535			
37	VISA Steel, New-Duburi	0.082	0.113	10.55	25	02:00
38	Yazdani Steel & Power Ltd., J.J Rd	0.000	0.000			
39	Vedanta Ltd. (3*600)	0.000	0.000			
	Total support from CPPs	785.741	1091.307			

(C)EXCHANGE OF ENERGY WITH CENTRAL SECTOR

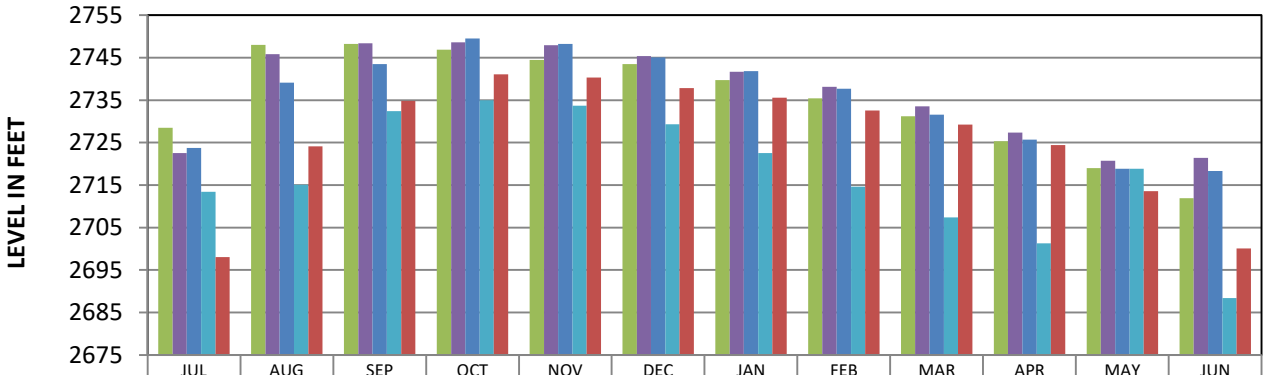
Name of the Tie line	Net MU	Avg MW	Maximum Import (MW)	DATE	TIME	Maximum Export (MW)	DATE	TIME
132KV JODA-KENDUPOSI	-14.76	-20.51	-1.72	18	22:00	-28.12	16	21:00
132KV KALABADIA-BANGIRIPOSI	33.80	46.95	70.01	11	23:00	10.08	6	10:00
132KV KALABADIA-BARIPADA	-0.93	-1.28	0.00	12	19:00	-2.25	12	16:00
132 KV BHOGRAI-KUCHEI	15.05	20.90	33.70	2	23:00	3.63	10	19:00
132 KV JALESWAR-KUCHEI	19.20	26.67	42.89	19	01:00	5.08	2	15:00
220KV JODA-JAMSHEDPUR	13.02	18.09	101.76	20	17:00	-44.37	11	24:00
220KV JODA-RAMCHANDRAPUR	64.10	89.03	151.52	18	10:00	-3.88	12	15:00
220KV RENGALI SY- RENGALI P.G-I	32.48	45.11	95.65	22	15:00	-2.75	30	10:00
220KV RENGALI SY- RENGALI P.G-II	34.92	48.50	99.61	22	15:00	-2.51	30	10:00
220KV JAYANAGAR JEYPORE PG-I	5.44	7.56	80.30	13	13:00	-67.01	8	23:00
220KV JAYANAGAR JEYPORE PG-II	6.28	8.73	88.62	13	13:00	-73.56	8	23:00
220KV RENGALI P.H-KANIHA	-17.37	-24.12	65.22	22	15:00	-114.14	3	22:00
220KV TTPS-KANIHA	80.61	111.95	195.71	28	20:00	53.56	4	09:00
220KV MERAMUNDALI-KANIHA-I	21.45	29.79	135.28	29	24:00	0.00	2	10:00
220KV MERAMUNDALI-KANIHA-II	19.26	26.76	110.80	2	15:00	0.00	10	18:00
220KV TARAKARA-BISRA-I & II	131.49	182.63	354.86	20	08:00	0.00	6	12:00
220 KV KALABADIA-BALASORE-I&II	186.75	259.37	369.88	17	16:00	159.82	12	20:00
220KV KATAPALI- BOLANGIR(PG)	-4.36	-6.06	0.00	30	20:00	-13.51	10	24:00
220KV SADEIPALI - BOLANGIR(PG)	128.44	178.39	350.15	11	18:00	48.20	30	14:00
220KV BUDHIPADAR-KORBA-I	-40.37	-56.07	49.31	25	13:00	-133.15	19	19:00
220KV BUDHIPADAR-KORBA-II	37.92	52.66	138.84	4	13:00	-133.15	19	19:00
220KV BUDHIPADAR-KORBA-III	35.31	49.04	137.42	9	13:00	-14.99	30	20:00
220KV ATRI- PANDIVIL	132.21	183.62	332.00	2	16:00	-14.69	30	20:00
220KV SAMANGHARA- PANDIVIL	0.00	0.00	0.01	16	03:00	0.00	14	08:00
220KV KEONJHAR GR-KEONJHAR PG-I	4.91	6.82	11.23	9	23:00	0.10	9	23:00
220KV KEONJHAR GR-KEONJHAR PG-II	4.89	6.80	11.25	20	24:00	0.00	20	24:00
400KV INDRAVATI P.H-P.G	-22.51	-31.26	158.26	26	21:00	-212.98	13	13:00
400KV MERAMUNDALI-KANIHA	477.75	663.55	1071.86	16	23:00	-46.50	29	10:00
400KV MERAMUNDALI-ANGUL-I&II	8.78	12.20	689.23	11	21:00	0.00	1	01:00
400KV MENDHASAL - PANDIABIL-I &II	-132.43	-183.93	95.25	19	18:00	-572.43	12	12:00
400KV DUBURI - PANDIABIL	-48.66	-67.58	0.00	2	14:00	-124.62	25	06:00
400KV DUBURI - BARIPADA	120.09	166.79	464.22	18	14:00	-56.22	4	22:00
400KV VEDANTA-JHARSUGUDA Ckt-I	47.74	66.30	492.28	4	11:00	-179.27	18	05:00
400KV VEDANTA-JHARSUGUDA Ckt-II	47.77	66.35	493.20	4	11:00	-179.00	18	05:00
400KV_OPGC-JHARS_PG - I	-54.16	-75.22	292.41	4	11:00	-283.69	18	04:00
400KV_OPGC-JHARS_PG - II	-53.89	-74.84	292.00	4	11:00	-282.47	18	04:00
220KV JAYANAGAR JEYPORE PG-III & IV	-24.30	-33.75	12.34	6	19:00	-214.25	12	01:00
220KV KESINGA- BOLANGIR_PG	0.31	0.43	12.63	30	11:00	-6.87	11	24:00
220KV PRATAPSASAN-PANDIAVIL CKT-I	51.57	71.63	109.56	10	15:00	0.00	17	11:00
220KV PRATAPSASAN-PANDIAVIL CKTII	53.31	74.04	112.13	10	15:00	12.78	10	19:00
Net ISGS	**1401.15**	1946.04	**3684.26**	**4**	**14:00**	**917.63**	**19.00**	**01:00**

ABSTRACT OF SYSTEM DEMAND

Particulars	Energy MU	Average MW	Peak MW	DATE	TIME
Total gross generation(Including CPP+IPP)	2206.126	3064.064	4089.20	29	23:00
Power Station Auxiliary consumption	74.909	104.041			
Total net generation(Including CPP+IPP)	2131.217	2960.023	4076.98	29	23:00
Net ISGS	1401.147	1946.038	3684.26	4	14:00
System Demand	3532.364	4906.062	6287.11	5	16:00
Trading					
Average of Peak Demand (MW)		**5472.936**			
Average of Minimum Demand (MW)		**4078.662**			


DAILY GENERATION SHARING DURING PEAK DEMAND
DURING JUNE 2023
Avg Peak= 6531 MW
MW
DATE
6000
5500
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

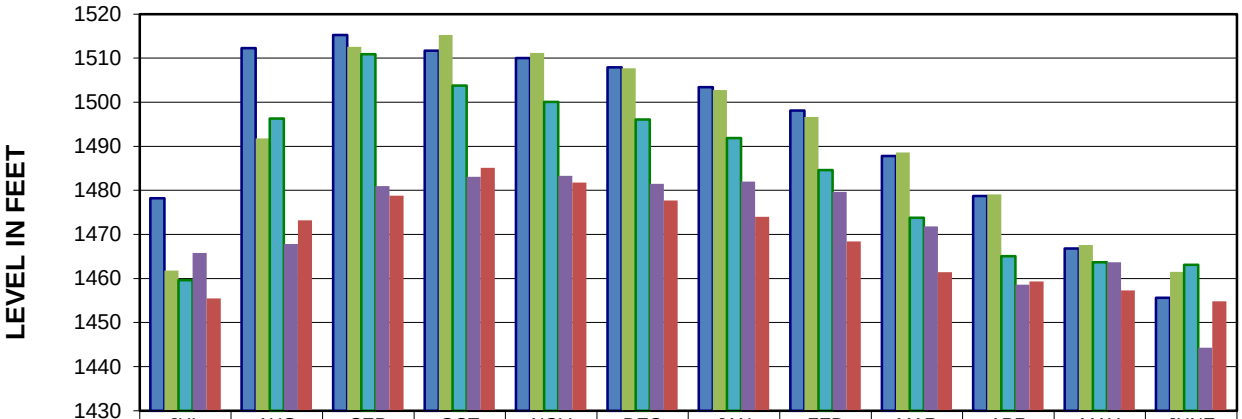
JOLAPUT RESERVOIR LEVEL



	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
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	2701.30	2718.85	2688.40
2022-23	2698.00	2724.15	2734.80	2741.10	2740.35	2737.80	2735.55	2732.55	2729.25	2724.45	2713.60	2700.05

MONTH (End)

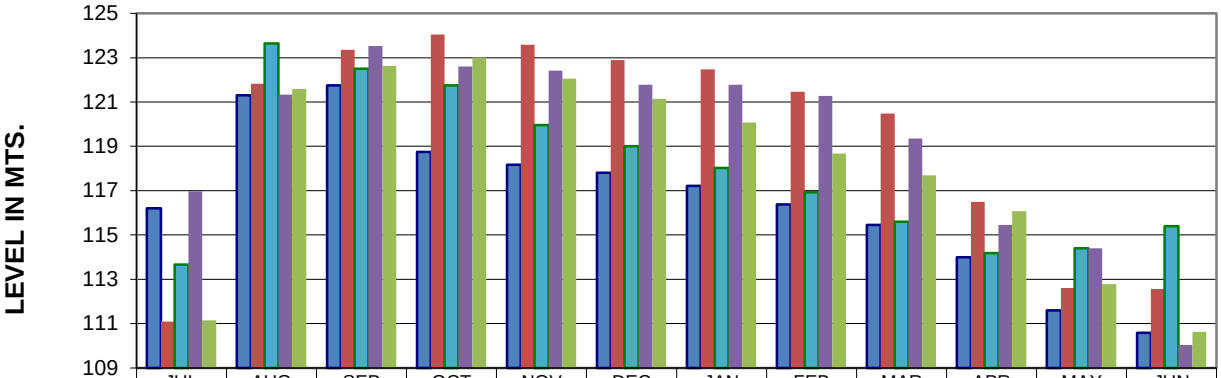
BALIMELA RESERVOIR LEVEL



	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE
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	1458.60	1463.70	1444.30
2022-23	1455.50	1473.20	1478.80	1485.10	1481.80	1477.70	1474.00	1468.40	1461.40	1459.30	1457.30	1454.80

MONTH (End)

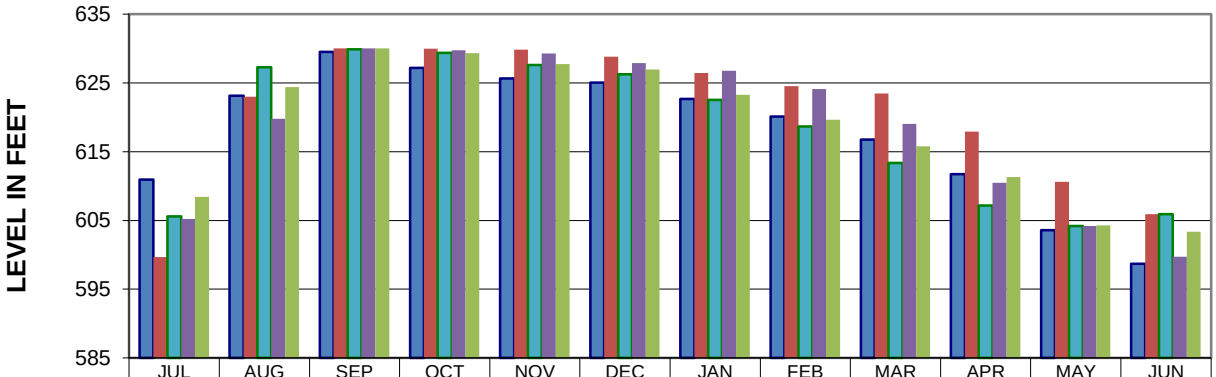
RENGALI RESERVOIR LEVEL



	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
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	115.45	114.40	110.04
2022-23	111.14	121.59	122.64	123.01	122.06	121.15	120.07	118.67	117.69	116.08	112.78	110.62

MONTH (End)

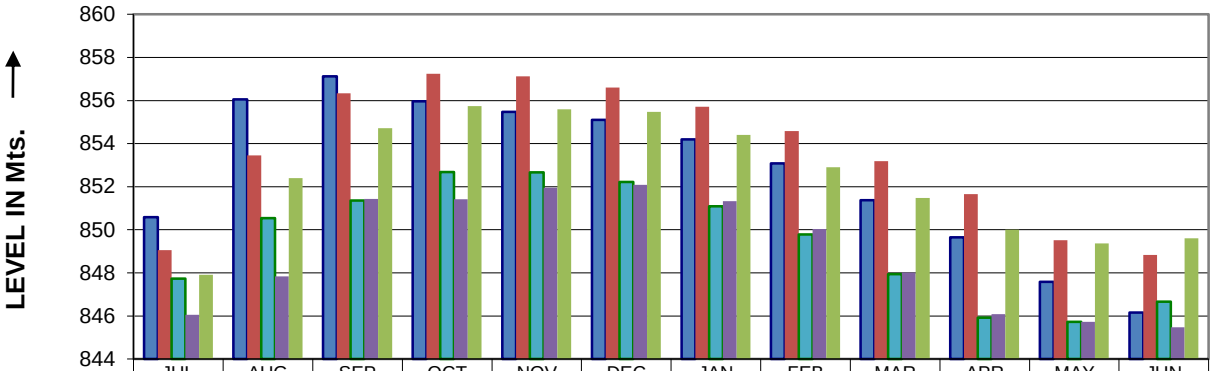
HIRAKUD RESERVOIR LEVEL



	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
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	610.47	604.21	599.73
2022-23	608.43	624.39	630.00	629.31	627.73	626.95	623.25	619.65	615.77	611.33	604.29	603.35

MONTH (End)

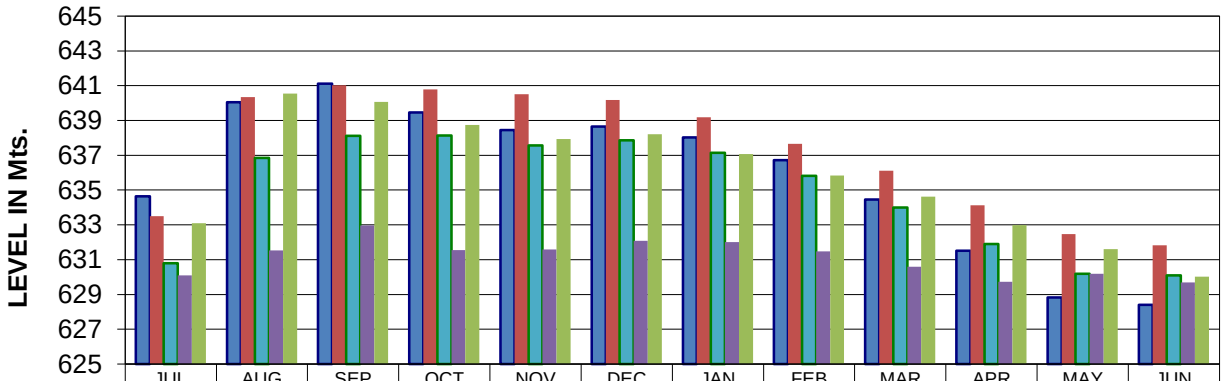
U.KOLAB RESERVOIR LEVEL



	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
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	846.09	845.72	845.47
2022-23	847.91	852.40	854.71	855.74	855.59	855.48	854.41	852.91	851.48	850.01	849.37	849.61

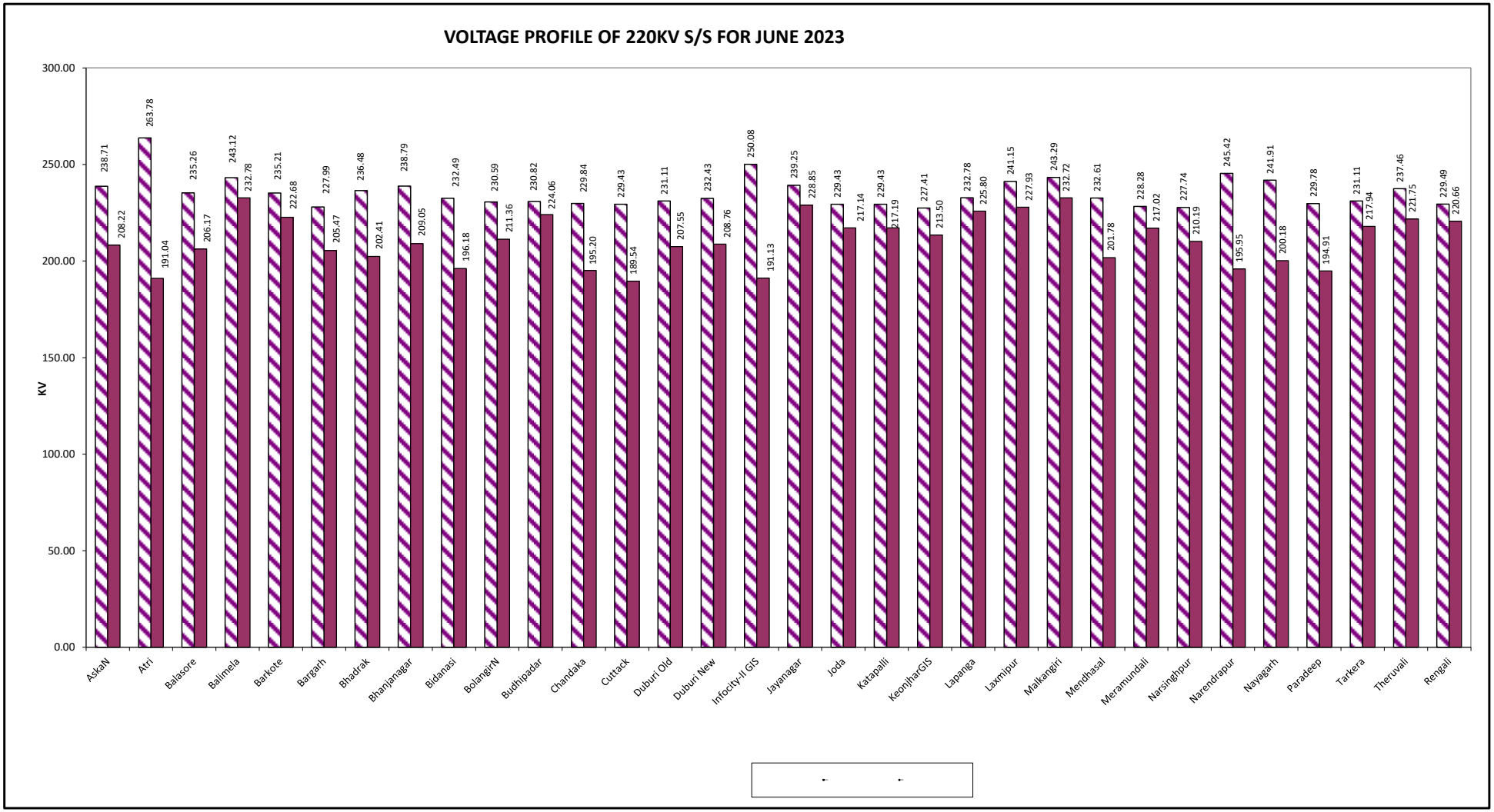
MONTH (End)

INDRAVATI RESERVOIR LEVEL

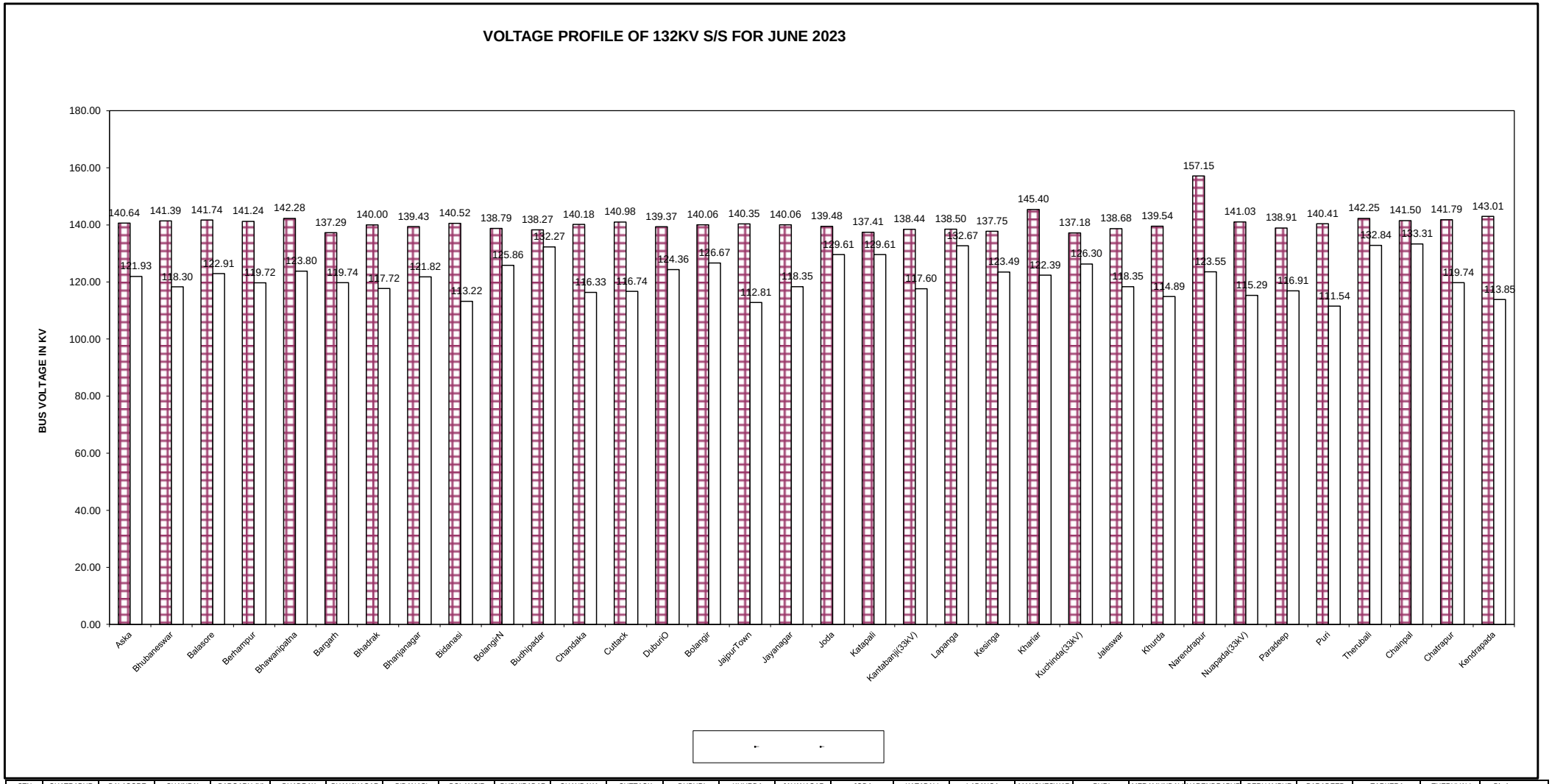


	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
2018-19	634.64	640.04	641.12	639.46	638.45	638.65	638.03	636.72	634.45	631.52	628.82	628.40
2019-20	633.50	640.34	641.03	640.79	640.50	640.17	639.19	637.66	636.11	634.13	632.47	631.82
2020-21	630.80	636.85	638.12	638.14	637.56	637.85	637.14	635.82	634.00	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	629.72	630.18	629.69
2022-23	633.09	640.55	640.06	638.75	637.94	638.20	637.07	635.83	634.62	632.99	631.61	630.02

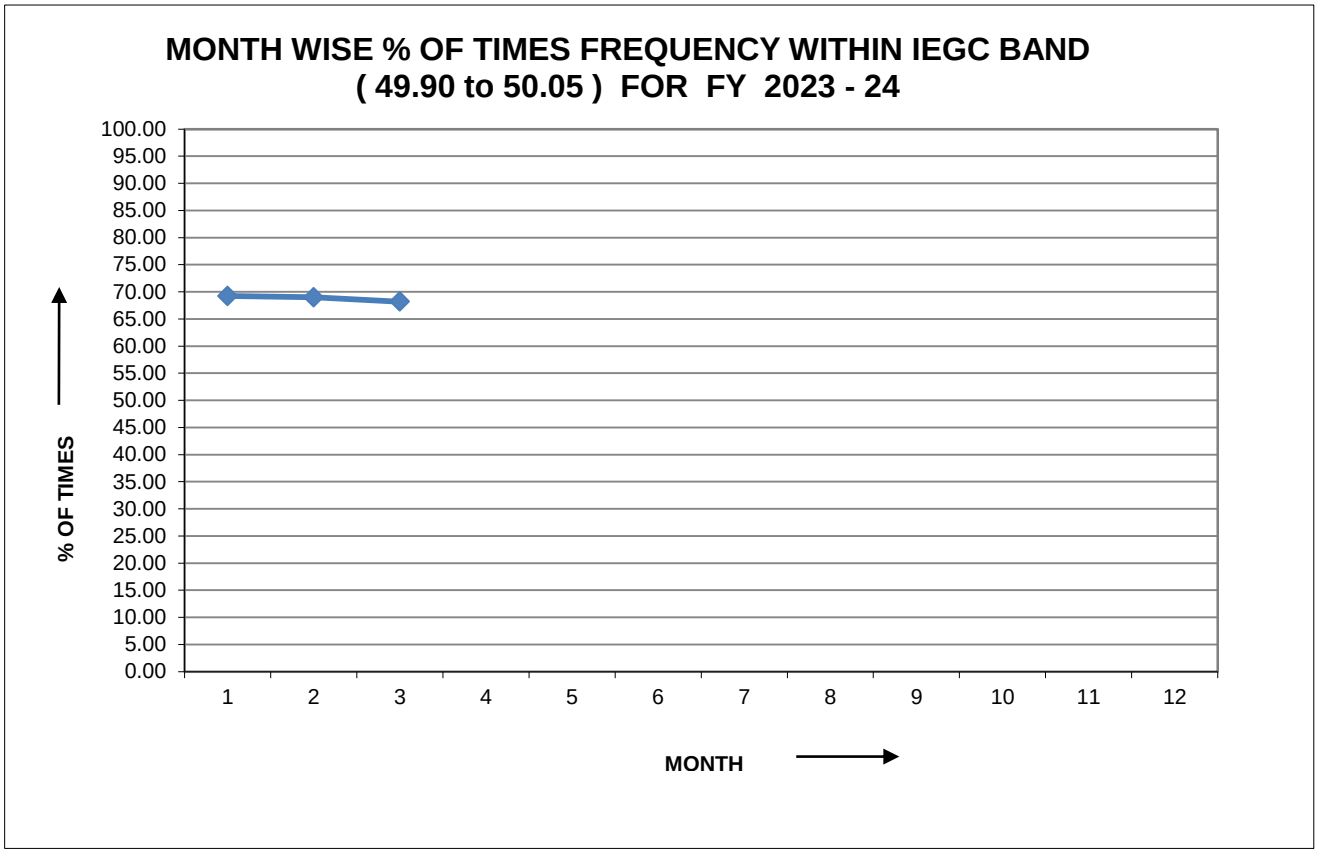
MONTH (End)



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.	DAY	Hrs.	DAY	Hrs.
MAXM.	#REF!	18:00	#REF!	10:45	45087	19:15	45093	04:45	45089	04:45	45101	05:15	45101	19:15	45102	18:00	45089	05:00	45087	03:15	45102	06:00	45103	05:00	45102	18:15	45102	05:45	45087	14:15	45090	10:45	45089	04:00	45093	06:00	45102	06:00	45102	18:15	45102	05:45	45089	04:00	45102	04:00	45102	05:00	45103	05:00
MINM.	#REF!	14:45	#REF!	14:00	45089	12:15	45089	09:45	45089	11:30	45086	16:30	45098	12:15	45088	15:15	45089	12:15	45089	16:00	45089	15:30	45083	12:30	45086	14:15	45089	12:15	45087	12:15	45089	14:00	45089	14:30	45089	16:00	45080	16:00	45083	15:15	45083	16:00	45078	23:15	45083	10:30	45092	15:15	45086	15:30



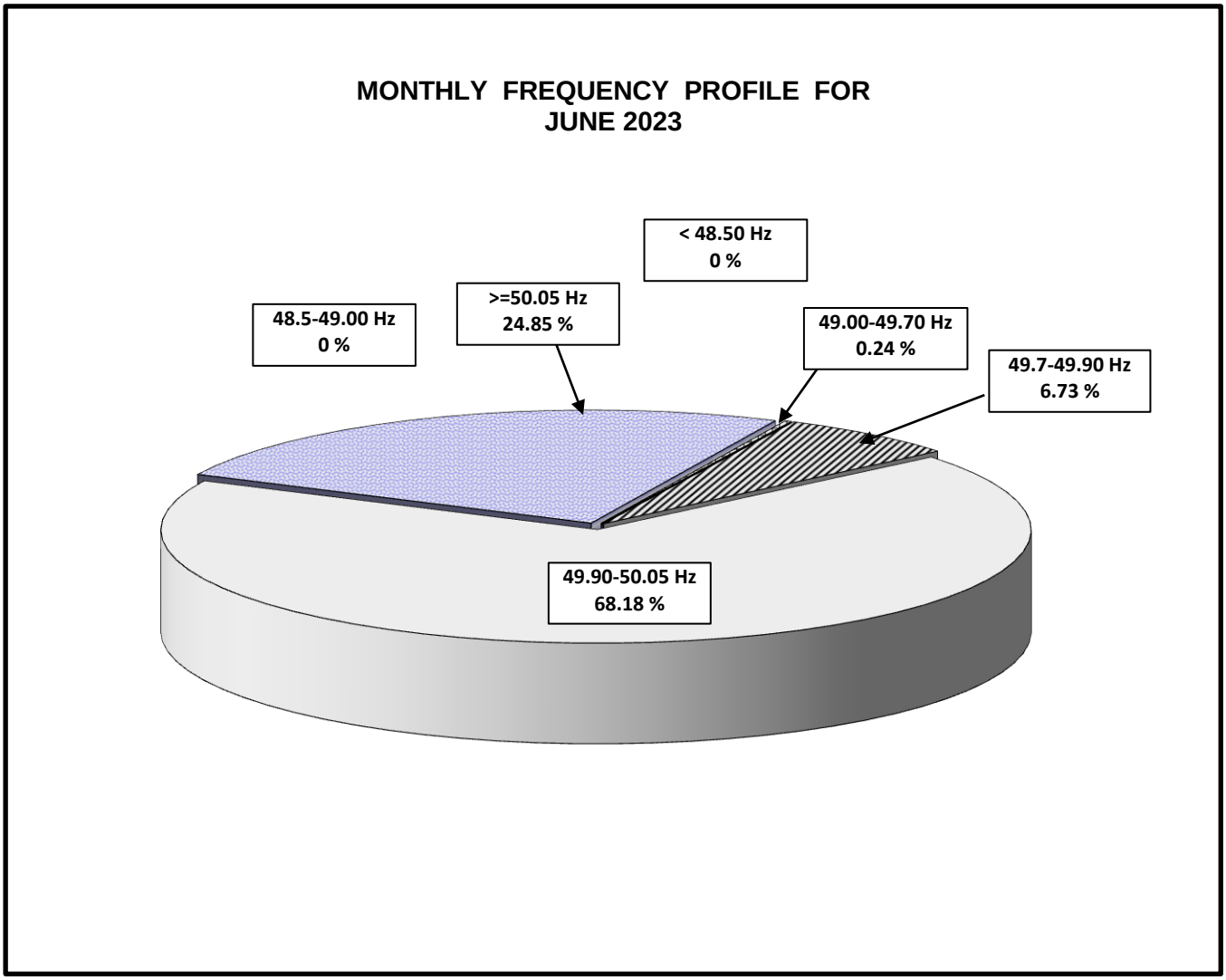
STN	CHATRAPUR		BALASORE		CHAINPAL		BARGARH (N)		BHADRAK		BHANJNAGAR		BIDANASI		BOLANGIR		BUDHIPADAR		CHANDAKA		CUTTACK		DUBURI		KHURDA		JAYANAGAR		JODA		KATAPALI		LAPANGA		MANCHESWAR		PURI		MERAMUNDALI		NARENDRAPUR		BERHAMPUR		PARADEEP		TARKERA		THERUVALI		Bhubaneswar	
	DAY	Hrs.	DAY	Hrs.	DAY	Hrs.	DAY	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.	DAY	Hrs.	DAY	Hrs.
MAX	45087	18:00	45096	00:15	45089	19:15	45096	03:45	45097	19:00	45102	06:00	45089	19:15	45087	18:00	45102	05:15	45103	04:30	45102	6:00	45096	00:15	45087	18:15	45090	05:45	45103	03:15	45089	19:15	45103	05:30	45105	14:00	45102	05:45	45097	19:00	45102	05:45	45097	19:00	####	19:00	45101	02:30	45089	19:15	45087	18:00
MIN	45089	14:45	45089	15:15	45089	12:15	45093	10:30	45083	16:00	45088	16:30	45094	23:15	45089	15:15	45089	12:30	45083	16:00	45099	16:00	45089	12:30	45087	14:15	45089	12:15	45083	16:00	45095	15:00	45094	15:45	45095	15:30	45083	16:00	45084	16:15	45099	16:00	45083	16:00	####	16:45	45091	16:15	45094	23:15	45089	15:15



FREQUENCY WITHIN THE STANDARD BAND & ABOVE .

(FROM 2021-2022 TO 2023- 2024)

YEAR	FREQUENCY	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	JAN.	FEB.	MARCH	ANNUAL
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	50.00	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	65.45	66.47	70.64
	% 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	23.85	17.56
2023- 2024	Average in Hz	49.99	49.99	50.00										
	% of time (49.9 to 50.05 Hz)	69.23	69.00	68.18										
	% of time (above 50.05 Hz)	20.14	20.75	24.85										



FREQUENCY DISTRIBUTION FOR THE MONTH OF JUNE - 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	0	0	0	12	0	0	0	0	0	0	0	0	0	32	46
49.7-49.9	47	161	155	203	56	77	32	59	34	72	191	21	77	187	244
49.9-50.05	937	1034	959	923	847	919	997	976	1009	1068	1039	954	849	888	854
>50.05	456	245	326	302	537	444	411	405	397	300	210	465	514	333	296
>=50.1Hz	115	81	71	91	127	136	168	148	134	99	59	180	239	155	104
	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	Total
<48.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48.5-49.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
49.00-49.70	4	0	0	0	0	0	0	0	0	0	4	3	0	0	1	2
49.7-49.90	128	133	39	57	58	130	59	116	52	15	117	102	51	111	123	48
49.9-50.05	997	961	1006	1048	1056	1101	1032	1009	1116	1019	1014	862	1107	951	923	491
>50.05	311	346	395	335	326	209	349	315	272	406	305	473	282	378	393	179
>=50.10Hz	90	106	142	114	63	43	83	73	28	108	98	187	66	157	131	57
	1440	1440	1440	1440	1440	1440	1440	1440	1440	1440	1440	1440	1440	1440	1440	**720**

ENERGY DRAWAL OF TPCODL CONTROL AREA GRID SUBSTATIONS FOR THE MONTH OF JUNE' 2023								
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	27.160	23.817	34.040	18th Jun 2023	09:30
		Angul	2x40+1x20=100	48.756	34.374	53.055	18th Jun 2023	23:00
2	Angul PG	PGCIL Stn. Tertiary		0.084	0.084	0.084	1st Jun 2023	00:00
3	Arati Steel	Arati Steel	132 kV	5.920	0.992	14.640	18th Jun 2023	14:45
4	Argul	Argul	2x40+1x20=100	24.760	19.432	30.280	1st Jun 2023	10:30
5	Badagada	Badagada	2x63=126	59.794	39.604	65.394	17th Jun 2023	23:15
6	Balugaon	SOLARI Traction	132kV	4.160	2.925	8.120	1st Jun 2023	19:30
		Balugaon	1x40+1x20+1x12.5=72.5	32.068	28.640	39.014	12th Jun 2023	21:45
7	Banki	Banki	2x20=40	19.876	13.408	22.072	9th Jun 2023	22:45
8	Bhubaneswar	Bhubaneswar	3x63=189	115.800	74.924	136.480	21th Jun 2023	15:15
9	Bidanasi	Bidanasi	2x63+1x40=166	96.224	67.641	114.500	10th Jun 2023	15:00
10	Boinda	Boinda Traction	132 kV	0.920	2.855	14.480	1st Jun 2023	16:45
		Boinda	1x20+2x12.5=45	19.965	13.702	20.328	17th Jun 2023	13:30
11	BPPL S/W	BPPL Fdr-I&II	132 kV	0.000	0.000	0.040	12th Jun 2023	12:45
12	Brajabiharipur	Brajabiharipur	2x40=80	7.754	4.758	8.686	18th Jun 2023	15:00
13	Chainpal	FCI Feeder	132 kV	0.331	0.278	0.560	7th Jun 2023	18:30
		Talcher Rd. Trac.	132 kV	11.760	9.518	19.520	16th Jun 2023	12:15
		Chainpal	2x40+1x20=100	66.224	40.866	70.932	16th Jun 2023	13:45
14	Chandaka	Chandaka	3x63=189	128.951	85.920	139.744	7th Jun 2023	15:15
15	Chandaka GIS	Chandaka GIS	2x40=80	15.840	0.000	24.800	6th Jun 2023	17:45
16	Chandpur	Chandpur	2x12.5=25	19.616	15.242	23.423	19th Jun 2023	00:00
17	Choudwar	Choudwar Traction	132 kV	6.840	7.398	19.440	30th Jun 2023	12:00
		Choudwar	3x40=120	39.875	37.138	69.777	10th Jun 2023	11:00
18	Cuttack	Cuttack	3x40=120	85.558	58.235	91.711	17th Jun 2023	15:45
19	Dhenkanal	Joranda Trac.	132 kV	7.663	6.936	14.416	3rd Jun 2023	16:30
		Narveram CGP Fdr	33 kV	0.000	0.908	4.855	6th Jun 2023	00:15
		Dhenkanal	3x40=120	56.942	40.007	62.345	9th Jun 2023	22:15
20	Global	Heavy Water Feeder	132 kV	0.480	0.394	0.560	15th Jun 2023	15:15
		Global	1x20=20	1.059	0.688	2.102	21th Jun 2023	02:30
21	Godisahi	Godisahi	2x63=126	5.484	5.578	14.502	8th Jun 2023	14:15
22	Goda	Goda	1x40=40	8.997	6.674	10.746	11th Jun 2023	20:00
23	Grid Steel Alloy S/W	GSAL Feeder	132kV	0.000	0.000	0.000	1st Jun 2023	00:00
24	Kharagprasad	MGM Feeder	132kV	0.000	0.000	0.072	4th Jun 2023	19:45
		NBVL Fdr-1&2	132kV	0.000	0.001	0.772	4th Jun 2023	15:45
		SGEL Feeder	132kV	1.469	0.064	1.738	20th Jun 2023	04:15
		Meramundali Trac.	132 kV	7.480	6.882	15.203	30th Jun 2023	11:00
		Kharagprasad	132 kV	5.076	3.303	5.548	18th Jun 2023	14:30
25	Infocity-II GIS	Infocity-II GIS (220/33)	2x40=80	8.760	7.587	19.880	4th Jun 2023	14:30
26	Jagatsinghpur	Gorakhnath Trac.	132 kV	6.000	4.778	10.474	28th Jun 2023	09:15
		Jagatsinghpur	1x40+2x20=80	38.775	29.895	47.182	18th Jun 2023	22:30
27	Kalarangi	Kalarangi	1x20+2x12.5=45	4.115	4.170	6.473	5th Jun 2023	20:00
28	Kamakhyanagar	Kamakhyanagar	1x20+2x12.5=45	23.216	16.513	23.432	15th Jun 2023	21:45
		Kamakhyanagar Traction	132kV	2.120	1.347	6.120	12th Jun 2023	14:15
29	Kendrapada	Kendrapada	2x40+1x12.5=92.5	42.200	30.152	44.360	11th Jun 2023	23:15
30	Khajuriakata	Khajuriakata	2x40=80	9.924	6.183	10.228	15th Jun 2023	22:15
31	Khuntuni GIS	ShreeCementFeeder	132kV	3.648	1.074	10.024	24th Jun 2023	14:30
		Khuntuni GIS	2x40=80	17.320	15.232	24.240	9th Jun 2023	20:45
32	Khurda	Kaipadar Trac.	132 kV	7.320	8.573	18.840	29th Jun 2023	19:45
		Khurda	4x40=160	85.466	74.603	100.929	7th Jun 2023	13:15
33	Konark	Konark	2x20=40	6.964	8.940	17.060	9th Jun 2023	06:00
34	Mancheswar-B GIS	Mancheswar-B GIS	2x40=80	30.640	26.223	55.600	9th Jun 2023	15:00
35	Mania	Mania	1x20+1x12.5=32.5	14.008	13.047	20.340	19th Jun 2023	19:15
36	Marshaghai	Marshaghai	2x20=40	20.504	15.754	24.156	14th Jun 2023	23:30
		Kendrapada Traction	132 kV	1.520	1.916	7.400	10th Jun 2023	09:00
37	Mendhasal	Mendhasal(220/33)	2x20=40	8.428	8.163	22.060	7th Jun 2023	06:15
38	Meramundali	BSL-TATA Fdr-1&2	220 kV	0.000	6.571	63.360	27th Jun 2023	01:15
		BRG Feeder	132kV	3.080	10.850	27.320	10th Jun 2023	09:30
		JSPL Feeder-1&2	400 kV	78.996	26.105	156.632	26th Jun 2023	09:00
		RUNGTA Feeder	132kV	13.800	13.235	14.760	12th Jun 2023	12:45
		RUNGTA DSP	132kV	0.375	0.000	21.613	11th Jun 2023	14:45
39	Narsinghpur	Narsinghpur(220/33)	1x40=40	11.608	8.118	12.572	10th Jun 2023	12:45
40	Nayagarh	Nayagarh (220/33)	2x40+1x20=100	67.919	47.218	72.888	16th Jun 2023	22:30
41	Nimapara	Nimapara	3x40=120	52.967	42.303	60.023	17th Jun 2023	22:30
42	Nuapatana	Nuapatana	1x40+1x20+1x12.5=72.5	24.026	19.265	33.913	17th Jun 2023	22:00
43	Olaver	Olaver	2x12.5=25	9.440	7.006	15.748	1st Jun 2023	01:00
44	Pandiabil PG	PGCIL Stn. Tertiary		0.047	0.047	0.047	1st Jun 2023	00:00
45	Paradeep	Essar Steel Fdr-1&2	220kV	8.463	19.244	29.575	1st Jun 2023	03:45
		IFFCO Fdr-1&2	132kV	2.800	7.976	14.240	2nd Jun 2023	19:30
		IOCL Feeder	220kV	10.288	5.535	19.888	13th Jun 2023	15:00
		PPL Fdr-1&2	132kV	10.600	6.448	23.280	7th Jun 2023	10:45
		PPT Fdr-1&2	132kV	17.240	16.815	26.120	20th Jun 2023	20:00
		Paradeep	3x20=60	22.632	18.098	29.216	5th Jun 2023	21:00
		Sijiu RTSS	132kV	3.162	0.000	11.375	4th Jun 2023	20:00
46	Pattamundai	Pattamundai	2x20+1x12.5=52.5	22.535	15.977	23.276	16th Jun 2023	22:15
47	Phulnakhara	Phulnakhara	1x40+2x20=80	41.012	34.463	51.396	8th Jun 2023	23:00
48	Pratapsasan	Pratapsasan	2x40=80	12.514	8.915	14.008	16th Jun 2023	23:15
49	Puri	Puri	3x40=120	43.884	32.571	57.331	2nd Jun 2023	23:00
50	Ranasinghpur	Ranasinghpur	3x63=189	119.665	81.478	129.525	17th Jun 2023	23:00
51	Rengali PG	PGCIL Stn. Tertiary		0.058	0.058	0.058	1st Jun 2023	00:00
52	Rengali S/W	Rengali S/W (220/33)	2x20=40	16.492	11.712	19.920	18th Jun 2023	13:15
53	Rajnagar	Rajnagar	2x20=40	11.102	9.215	15.113	21th Jun 2023	23:00
54	Salipur	OCL Feeder	132kV	0.000	7.401	18.638	29th Jun 2023	17:00
		Salipur	3x20=60	41.702	30.123	50.379	9th Jun 2023	21:45
55	Samangara	Samangara	2x20=40	7.772	10.147	20.056	13th Jun 2023	23:30
		Malatipatapur Traction	132kV	5.421	0.000	7.545	3rd Jun 2023	11:30
56	Shamuka	Shamuka	2x31.5=63	33.040	28.804	42.520	3rd Jun 2023	23:30
57	Tirtol	Tirtol	2x40=80	20.840	18.832	31.600	1st Jun 2023	22:30
58	TS Alloys S/W	RAWMET Feeder	132kV	23.044	20.592	25.275	6th Jun 2023	03:30
59	TTPS	TTPS	TTPS Net Drawal	2.340	1.654	2.428	22th Jun 2023	12:15
60	Ultratech	Ultratech Feeder		1.067	0.000	10.847	9th Jun 2023	16:15
61	Unit-8 GIS	Unit-8 GIS	2x40=80	49.610	29.015	57.076	12th Jun 2023	17:00
62	Balugaon	Khallikote Feeder	33kV	-7.868	-6.675	-15.120	6th Jun 2023	08:00
		Keshpur Feeder	33kV	-5.758	0.000	-16.620	8th Jun 2023	19:00
63	Chandikhol	Badachana Feeder	33kV	8.534	10.351	14.728	5th Jun 2023	20:45
		Kundala Feeder	33kV	8.833	6.352	10.215	12th Jun 2023	15:00
64	Rairakhol	Bamur Feeder	33kV	3.224	2.094	3.300	18th Jun 2023	14:00
65	Rengali	BUDHAPAL Feeder	33kV	-1.512	-1.155	-2.120	4th Jun 2023	12:15
66	Barkote	Pallhara Feeder	33kV	2.891	2.432	8.575	8th Jun 2023	13:00
67	Chandaka	S.N. Mohanty(Solar)	11kV	0.432	0.131	0.627	28th Jun 2023	11:15
68	Chandpur	MGM SOLAR	11kV	0.461	0.132	0.671	1st Jun 2023	10:45
		VIVACITY Solar	11kV	0.288	0.080	0.412	29th Jun 2023	11:30
		TPCODL TOTAL ENERGY (MU)		**2,062.8737**	**1,106.5483**	**2,837.0042**		

ENERGY DRAWAL OF TPWODL CONTROL AREA GRID SUBSTATIONS FOR THE MONTH OF JUNE'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	0.050	2.803	6th Jun 2023	10:00
		Aryan-Viraj	132 kV	3.850	3.236	7.091	18th Jun 2023	12:15
2	Bamra	Bamra Traction	132 kV	9.339	0.000	20.436	4th Jun 2023	23:30
		Bamra	2x40=80	6.972	6.002	9.767	17th Jun 2023	23:00
3	Barapalli	Dunguripali Tr.	132kV	5.560	3.728	11.120	24th Jun 2023	08:30
		Barapalli	1x40+1x20=60	36.956	25.209	45.744	15th Jun 2023	09:00
4	Bargarh	ACC Feeder-1&2	132kV	5.480	4.188	13.080	24th Jun 2023	01:15
		Bargarh	3x40=120	87.715	60.187	91.891	17th Jun 2023	16:15
5	Bargarh (New)	Bargarh (New)	2x12.5=25	0.000	0.000	0.000	1st Jun 2023	00:00
6	Barkote	Barkote (220/33)	2x40=80	8.221	6.987	14.171	2nd Jun 2023	13:00
7	Bhalulata	Bhalulata Traction	132 kV	9.280	4.494	17.800	16th Jun 2023	11:45
8	Bhawanipatna	Lanjigarh Traction	132kV	2.902	5.981	20.225	14th Jun 2023	05:00
		Bhawanipatna	2x12.5=25	17.705	15.401	23.027	18th Jun 2023	22:45
9	Birmaharajpur	Birmaharajpur	1x20=20	9.773	8.680	13.364	3rd Jun 2023	19:30
10	Bolangir PG	415V side Tertiary		0.054	0.054	0.054	1st Jun 2023	00:00
11	Bolangir	Bolangir	3x40=120	54.874	43.646	67.644	17th Jun 2023	16:30
12	Bolangir (New)	Bolangir (New)	1x40+1x12.5=52.5	4.204	4.831	10.336	19th Jun 2023	17:00
13	Bonai	Bonai(220/33)	2x20=40	10.816	11.069	16.300	8th Jun 2023	22:45
		Bimlagarh Traction	132kV	0.120	1.971	9.520	6th Jun 2023	14:00
14	Brajarajnagar	Kechobahal Traction	132kV	2.400	0.000	5.600	7th Jun 2023	12:45
		Brajarajnagar	1x40+3x20=100	31.184	28.943	42.376	14th Jun 2023	00:15
		Jurabanga MCL Fdr-II	132kV	0.000	0.000	27.605	21th Jun 2023	12:15
15	Budhipadar	AAL Feeder-1&2	220 kV	0.720	1.254	49.200	21th Jun 2023	00:15
		BPSL Fedr-1&2	220 kV	170.531	51.334	174.063	18th Jun 2023	10:30
		MCL Fder-1&2	132 kV	17.319	14.039	21.047	19th Jun 2023	19:30
		MSP Feeder	132 kV	0.000	3.061	11.960	24th Jun 2023	16:00
		SMC Power	220 kV	0.000	0.000	0.000	1st Jun 2023	00:00
		Budhipadar	1x20+1x12.5=32.5	11.922	11.029	19.738	8th Jun 2023	21:30
		Vedanta Ltd	220 kV	240.400	0.000	278.800	24th Jun 2023	12:30
16	Burla P.H.	Island & Incomer	11 kV	0.017	0.028	0.057	3rd Jun 2023	03:30
17	Chandiposh	Chandiposh Trac	220 kV	3.000	3.032	14.040	1st Jun 2023	16:00
18	Chhend	Adhunik Metallic Fdr.	132 kV	1.463	2.377	9.400	9th Jun 2023	20:00
		Nuagaon Trac.	132 kV	6.960	2.369	11.400	9th Jun 2023	15:00
		Sri Ganesh Metallics	132 kV	2.469	1.930	2.531	16th Jun 2023	19:00
		Chhend	3x40=120	71.694	68.320	97.175	1st Jun 2023	04:45
19	Chipilima P.H.	Chipilima P.H.	1x20+1x12.5=32.5	16.048	14.562	20.204	14th Jun 2023	16:00
20	Deogarh	Deogarh	2x20=40	7.795	6.696	10.666	5th Jun 2023	22:30
21	Ghens	Ghens	1x40=40	31.040	24.897	44.240	20th Jun 2023	16:45
22	Hirakud	Hirakud	1x40=40	5.490	4.866	9.881	24th Jun 2023	18:15
23	Jayapatna	Megalift Feeder-I &II	132 kV	0.040	0.037	0.680	13th Jun 2023	15:30
		Jayapatna	2X40=80	9.794	10.536	16.324	30th Jun 2023	22:00
24	Jharsuguda	Jharsugda Trac.	132 kV	16.760	14.827	28.360	19th Jun 2023	07:15
		Jharsuguda	2x40=80	29.840	25.811	38.120	16th Jun 2023	22:45
		Ultratech Feeder	132kV	7.100	9.654	14.788	2nd Jun 2023	20:30
25	Junagarah	Junagarah	3x20=60	20.332	19.493	29.312	9th Jun 2023	22:15
26	Kalunga	Kalunga	2x40=80	69.826	57.695	71.497	17th Jun 2023	10:45
27	Kantabanji	Kantabanji Trac.	132 kV	4.000	3.202	12.680	3rd Jun 2023	20:30
		Kantabanji	2x40=80	11.720	11.785	17.320	7th Jun 2023	17:00
28	Kakatiya SHEP	Kakatiya	33KV	0.000	0.000	0.000	26th Jun 2023	04:30
29	Katapali	HINDALCO Fdr-1&2	220 kV	4.120	3.009	55.320	19th Jun 2023	23:45
		GodbhagaRTSS	132kV	5.040	3.420	12.840	19th Jun 2023	12:00
		Katapali	1x40+2x20=80	20.489	18.172	30.319	3rd Jun 2023	16:00
30	Kesinga	POWMEX Fdr	132 kV	1.497	0.848	3.328	11th Jun 2023	23:00
		Kesinga Traction	132 kV	6.480	6.025	16.000	6th Jun 2023	12:45
		Kesinga	1x40+2x20=80	27.959	32.147	48.849	12th Jun 2023	17:15
31	Khariar	Khariar	2x40=80	30.320	29.697	41.680	19th Jun 2023	17:30
32	Kuchinda	Kuchinda	2x20=40	12.350	12.181	19.472	21th Jun 2023	14:30
33	Kutra S/W	Shiva Cement	132kV	7.400	6.309	9.233	25th Jun 2023	00:30
34	Lapanga	Rengali Traction	132KV	5.480	8.444	22.720	2nd Jun 2023	12:00
		Lapanga	2x20=40	10.948	10.376	17.312	30th Jun 2023	16:30
35	Lephripada	Basundhara	220kV	3.035	2.781	4.627	19th Jun 2023	19:15
		Lephripada	2x20=40	8.809	7.391	13.587	18th Jun 2023	22:30
36	Maneswar	Maneswar	2x40=80	6.180	4.851	7.332	22th Jun 2023	16:30
37	Nuapada	Nuapada Trac.	132 kV	1.040	0.609	4.000	4th Jun 2023	04:15
		Nuapada	2x20=40	12.496	11.434	17.648	17th Jun 2023	23:30
38	OPGC	Darlipali	33kV	1.734	1.365	1.790	15th Jun 2023	18:00
39	Padampur	Padampur	1x40+2x20=80	26.428	20.988	32.660	19th Jun 2023	16:15
40	Patnagarh	Patnagarh	1x40+2x20=80	18.572	21.619	36.500	13th Jun 2023	17:15
41	Rairakhol	Rairakhol Trac.	132kV	7.520	3.444	14.000	16th Jun 2023	14:30
		Rairakhol	3x12.5=37.5	7.456	7.400	10.880	18th Jun 2023	22:00
42	Rajgangpur	OCL Feeder	132kV	0.000	0.024	2.920	2nd Jun 2023	19:45
		OISL Feeder	132kV	0.000	0.000	0.000	1st Jun 2023	00:00
		Rajgangpur Trac-1&2	132 kV	13.200	8.165	18.400	13th Jun 2023	10:45
		Rajgangpur	3x40=120	57.960	51.704	65.560	16th Jun 2023	23:30
43	Rourkela PG	PG Tertiary	33kV	0.059	0.059	0.059	1st Jun 2023	00:00
44	Rourkela	Rourkela	1x40+3x35=145	55.120	51.030	1a	19th Jun 2023	16:00
45	Saintala	ORDNANCE Feeder	132 kV	3.440	1.746	4.280	22th Jun 2023	11:00
46	Sambalpur	Sambalpur	1x40+2x31.5=103	70.274	64.031	88.398	17th Jun 2023	16:15
		Shyam DRI Feeder	132 kV	14.680	11.413	17.840	6th Jun 2023	14:15
47	SMC S/W	SMC Power	132kV	15.118	3.557	17.080	1st Jun 2023	11:45
48	Sonepur	Sonepur	2x40+1x20=100	29.498	30.503	49.008	3rd Jun 2023	19:45
49	Sundargarah PG	PG TERTIARY	33 kV	0.144	0.144	0.144	1st Jun 2023	00:00
50	Sundargarh	Sundargarh	1x40+2x20=80	21.985	20.277	30.412	18th Jun 2023	22:45
51	Tarkera	RSP Feeder-1&2	220 kV	41.469	0.000	141.344	29th Jun 2023	21:30
		RSP Feeder-3&4	220 kV	0.000	0.000	123.600	20th Jun 2023	23:45
52	Tusura	Tusura	1x40+1x20=60	20.832	14.869	25.196	10th Jun 2023	16:45
		Deogaon Tr.	132kV	1.960	3.947	14.040	22th Jun 2023	17:30
53	Thuapali	Thuapali	2x20=40	12.737	10.436	17.169	23th Jun 2023	10:00
54	VAL Lanjigarh	Vedanta Al. fdr-1&2	132 kV	0.080	0.209	6.360	25th Jun 2023	03:45
55	Vedanta S/W	Vedanta SEZ	400 kV	1202.605	506.317	1205.484	4th Jun 2023	11:15
56	Barkote	Pallhara Feeder	33kV	-5.544	-2.432	-8.575	8th Jun 2023	13:00
57	Joda	Joda-Tensa Feeder	33 kV	9.599	7.227	11.190	19th Jun 2023	19:30
58	Rairakhol	Bamur Feeder	33 kV	-1.672	-2.094	-3.300	18th Jun 2023	14:00
59	Rengali	BUDHAPAL Feeder	33kV	1.660	1.155	2.120	4th Jun 2023	12:15
60	Sonepur	Manamunda Feeder	33 kV	-8.504	-8.389	-14.516	11th Jun 2023	16:45
		GEDCOL Solar	33 kV	11.348	2.588	13.756	14th Jun 2023	12:00
		ABACUS Holdings Solar	11 kV	0.672	0.158	0.865	30th Jun 2023	12:15
61	Tentulikhunti	Mukhiguda Fdr	33KV	0.324	0.795	2.420	6th Jun 2023	15:45
		GEDCOL Solar	11KV	0.106	0.144	0.809	12th Jun 2023	11:00
62	ACME SOLAR	ACME SOLAR	132 kV	0.000	0.032	0.120	1st Jun 2023	04:15
63	Bamra	Joy Iron Steel (Solar)	11 kV	0.466	0.128	0.617	14th Jun 2023	11:30
64	Barkote	Molisati Solar	11 kV	0.516	0.124	0.655	30th Jun 2023	11:30
65	Kesinga	SADIPALI Solar	33kV	17.280	4.352	20.520	23th Jun 2023	11:00
		Vento Power Solar -1	132 kV	0.000	0.045	0.160	1st Jun 2023	18:45
		Vento Power Solar -2	132 kV	0.000	0.028	0.120	1st Jun 2023	03:15
66	Bonei	Mahavir Solar	33 kV	0.407	0.103	0.495	30th Jun 2023	12:00
67	Padampur	Dakshin UPL solar	132kV	0.000	0.039	0.160	4th Jun 2023	18:30
68	Patnagarh	ALEX Solar Pvt. Ltd.	33 kV	3.428	0.795	3.876	23th Jun 2023	12:30
		JYOTI Solar	33 kV	7.764	1.862	8.872	19th Jun 2023	11:15
69	Bolangir (New)	REHPL(Solar)	11kV	0.685	0.173	0.808	30th Jun 2023	11:45
70	Saintala	BEL-OFBL Solar	132kV	0.000	0.023	0.064	15th Jun 2023	19:15
72	Tusura	Vento Power Solar-I	132 kV	0.000	0.038	0.160	9th Jun 2023	18:30
		Vento Power Solar-II	132 kV	0.000	0.035	0.120	2nd Jun 2023	18:30
73	Bargarh	Aditya Solar Fdr-I & II	33 kV	0.000	0.000			
74	ABSL Sw. Station	Aditya Solar	132kV	0.000	0.054	0.311	3rd Jun 2023	18:45
75	Barbil	IOBP Fdr	132kV	0.000	0.000	0.000	1st Jun 2023	00:00
		Kamanda Steel Plant Fdr	132kV	11.023	1.899	18.203	13th Jun 2023	05:00
76	Sadeipali	Aftab Solar	33 kV	3.329	0.856	4.206	29th Jun 2023	12:00
		GEDCOL Solar	33 kV	0.427	0.108	0.615	30th Jun 2023	12:15
		TPWODL TOTAL ENERGY (MU)		**2,903.5096**	**1,150.7616**	**3,785.6782**		

ENERGY DRAWAL OF TPNODL CONTROL AREA GRID SUBSTATIONS FOR THE MONTH OF JUNE'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	13.440	9.343	15.440	14th Jun 2023	23:15
2	Anandpur	Anandpur	1x20+2x12.5=45	21.479	15.340	24.252	16th Jun 2023	23:00
3	Arya Ispat S/w	ARYA Steel Fdr	132kV	1.176	1.920	9.868	30th Jun 2023	10:45
		BRPL Feeder	132kV	13.506	10.447	10.400	22th Jun 2023	03:15
		IMTCPL Fder	132kV	0.104	0.385	2.576	4th Jun 2023	11:15
4	Balasore	BIRLA Tyre Fder	132kV	0.196	0.209	0.300	12th Jun 2023	19:15
		ISPAT Feeder	132kV	64.320	58.444	64.560	17th Jun 2023	23:30
		Balasore Traction	132kV	4.880	5.306	14.920	27th Jun 2023	13:15
		Balasore	2x63+1x40=166	80.935	62.683	97.310	12th Jun 2023	14:30
5	Bangiriposi	Bangiriposi	2x12.5=25	12.984	9.206	14.436	1st Jun 2023	19:30
6	Barbil	Barbil	2x12.5=25	13.125	10.699	14.428	16th Jun 2023	23:30
7	Baripada PG	Baripada PG Stn.		0.076	0.076	0.076	1st Jun 2023	00:00
8	Baripada	Baripada	3x40=120	36.396	25.244	38.484	12th Jun 2023	14:15
9	Basta	Basta	2x20+1x12.5=52.5	24.446	19.133	29.080	8th Jun 2023	22:00
10	BC Mohanty sw	BC Mohanty fdr	132 kV	5.328	8.547	10.036	1st Jun 2023	04:15
		TOMKA Traction	132kV	6.440	4.370	16.080	20th Jun 2023	22:30
11	Betanati	Betanati	1x20=20	24.786	17.372	26.511	7th Jun 2023	22:00
12	Bhadrak	Dhamra Port (Trac.)	132 kV	5.581	2.812	7.756	5th Jun 2023	18:30
		Dhamra Port Fdr	132 kV	7.206	7.422	14.475	19th Jun 2023	19:15
		FACOR Feeder	132kV	5.080	0.000	16.000	17th Jun 2023	01:30
		FACOR Power	132kV	0.000	0.000	3.080	5th Jun 2023	23:30
		Bhadrak Traction	132 kV	5.600	5.129	13.720	1st Jun 2023	15:15
		Bhadrak	2x63+1x40=166	78.480	56.459	85.200	9th Jun 2023	22:15
13	Bhograi	Bhograi	2x40=80	24.160	16.169	26.960	5th Jun 2023	22:00
14	Bolani	Bolani(132/11)	2x10=20	2.676	2.458	4.320	11th Jun 2023	08:00
15	BRPL S/w	BRPL Feeder	132kV	13.506	10.447	16.256	30th Jun 2023	14:30
		Mesco Feeder	132kV	0.000	0.000	0.000	1st Jun 2023	00:00
16	Chandbali GIS	Chandbali GIS	1x40+1X20=60	0.000	5.660	10.784	1st Jun 2023	22:45
17	Chandikhol	Chandikhol	3x20=60	41.671	32.661	45.057	11th Jun 2023	22:30
18	Chandipur	Chandipur	1x20=20	14.920	11.975	17.728	12th Jun 2023	16:00
19	Daitary	Bamnipal	132kV	20.062	18.458	21.330	12th Jun 2023	21:45
		Daitary	1x12.5=12.5	0.875	0.878	1.702	8th Jun 2023	18:45
20	Dhenkikote	Dhenkikote	2x20=40	8.783	6.233	11.673	13th Jun 2023	21:00
21	Dhamra	Dhamra	1x20=20	7.188	3.315	16.891	19th Jun 2023	09:45
22	Duburi	Jakhapura Traction	132 kV	10.000	8.115	20.000	29th Jun 2023	15:15
		JFAL Feeder	132 kV	6.222	6.212	7.472	2nd Jun 2023	06:45
		Mishrilal Feeder	132 kV	12.419	10.315	13.888	28th Jun 2023	13:45
		NINL Feeder	220 kV	22.700	25.172	41.931	12th Jun 2023	13:00
		Duburi(220/33)	2x40=80	21.194	16.597	24.981	9th Jun 2023	23:00
23	Duburi-New	Duburi New(220/33)	1x20=20	5.992	0.000	6.176	21th Jun 2023	05:00
		NU Vista Feeder	220 kV	10.480	0.000	11.320	5th Jun 2023	05:00
		Jindal Stainless-1&2	220 kV	53.000	33.281	113.160	1st Jun 2023	07:45
		Maithan Feeder	220 kV	0.000	0.067	3.750	5th Jun 2023	06:00
		Rohit Ferrotech	220 kV	24.080	22.846	24.560	14th Jun 2023	01:30
		TATA Steel Fdr-1&2	400 kV	126.200	111.462	200.000	26th Jun 2023	06:00
		VISA Steel	220 kV	16.400	12.045	20.080	2nd Jun 2023	23:00
24	Shree Jagannath steel switching station	Shree Jagannath Steel Fdr	132kV	0.000	0.019	1.297	30th Jun 2023	21:00
25	Haridaspur	RAMCO Feeder 132kV	132 kV	5.124	4.418	6.696	28th Jun 2023	20:30
26	Jajpur Road	Jajpur Road	3x40=120	48.840	35.468	53.880	9th Jun 2023	22:15
		Yazdani CGP Feeder	33 kV	0.000	0.000	0.001	24th Jun 2023	04:15
27	Jajpur Town	Jajpur Town	2x40+1x20=100	54.015	37.436	56.968	15th Jun 2023	23:00
28	Jaleswar	Jaleswar Trac.	132 kV	5.080	4.378	12.680	20th Jun 2023	19:45
		Jaleswar	2x31.5+1x12.5=75.5	17.384	12.226	19.200	23th Jun 2023	22:30
29	Joda	Bansapani Trac.	132 kV	5.794	6.325	19.513	7th Jun 2023	09:00
		FAP Feeder	132kV	17.906	17.204	19.228	17th Jun 2023	20:15
		JSPL Trf-1,2&3(220/33)	2x50+1x20=120	48.538	44.547	51.680	10th Jun 2023	05:00
		KJS Ahluwalia	33kV	5.692	0.000	8.644	8th Jun 2023	03:00
		TATA STEEL	220kV	8.800	6.563	9.680	10th Jun 2023	20:30
		TATA Steel Long	220 kV	0.000	0.000	0.038	18th Jun 2023	21:30
		Joda	1x40+3x20+1x160=260	27.746	24.794	39.579	18th Jun 2023	18:45
		Sarada Ind (220/33)	1x15=15	0.000	0.000	0.000	1st Jun 2023	00:00
30	JSW Cement S/W	JSW Cement Fdr	132kV	0.600	2.629	6.920	11th Jun 2023	11:45
31	Karanjia	Karanjia	1x20+2x12.5=45	18.706	13.689	21.919	9th Jun 2023	22:15
32	Keonjhar GIS	Keonjhar GIS	2x20=40	22.372	14.256	24.804	9th Jun 2023	23:30
33	Keonjhar PG	PGCIL Stn. Tertiary	33 kV	0.042	0.042	0.042	1st Jun 2023	00:00
34	Nalda	Nalda Traction	132 kV	2.080	3.252	10.880	7th Jun 2023	23:45
35	Polasponga	ESIL Feeder	132 kV	13.469	10.408	21.844	11th Jun 2023	09:45
		MSP Feeder	132 kV	6.060	5.423	7.780	17th Jun 2023	23:45
		OSISL CGP Feeder	33 kV	0.000	0.000	0.000	1st Jun 2023	00:00
		Patnaik Steel CGP	33 kV	0.000	0.000	0.000	1st Jun 2023	00:00
		Palasponga Trac.	132 kV	16.866	7.329	23.637	27th Jun 2023	19:00
		Polasponga	1x40+2x20=80	19.772	13.727	34.708	17th Jun 2023	00:00
36	Rairangpur	Rairangpur	2x20+1x12.5=52.5	22.455	17.150	24.206	12th Jun 2023	22:30
37	RML Karakhendra	Karakolha	132kV	2.105	1.379	3.575	20th Jun 2023	12:30
38	Somnathpur	IMAMI Feeder	132 kV	4.394	2.718	5.941	4th Jun 2023	18:00
		Stork Feeder	132 kV	14.941	16.305	23.076	13th Jun 2023	06:00
		Somnathpur	2x12.5=25	8.984	7.642	12.336	10th Jun 2023	22:00
39	Soro	Soro	1x40+2x20=80	59.001	44.196	67.780	15th Jun 2023	22:00
40	Telkoi	Telkoi	2x20=40	3.431	1.948	3.778	14th Jun 2023	22:45
41	Udala	Udala	2x40=80	18.080	10.901	19.680	11th Jun 2023	23:00
42	Chandikhol	Badachana Feeder	33kV	-12.630	-10.351	-14.728	5th Jun 2023	20:45
		Kundala Feeder	33kV	-9.150	-6.352	-10.215	12th Jun 2023	15:00
43	Joda	Joda-Tensa Feeder	33 kV	-10.086	-7.227	-11.190	19th Jun 2023	19:30
44	Baripada	GEDCOL Solar	33kV	0.000	0.000	0.794	10th Jun 2023	12:45
		TPNODL TOTAL ENERGY (MU)		**1314.5024**	**739.6943**	**1765.6576**		

ENERGY DRAWAL OF TPSODL CONTROL AREA GRID SUBSTATIONS FOR THE MONTH OF JUNE'2023								
Sl.No	Name of Sub Station	Name of Feeder	Installed Capacity	SMD	Average Drawal	MAX DEMAND		
			MVA	MW	MW	MW	Date	Time
1	Akhusingh	Akhusingh	2x12.5=25	8.618	6.437	9.507	16th Jun 2023	14:45
2	Aska	Aska	4x40=160	36.440	32.459	53.800	17th Jun 2023	08:15
3	Aska New	Aska New	1x40=40	13.563	11.937	16.777	17th Jun 2023	08:00
4	Balimela	Balimela (220/33)	1x40+1x20=60	10.780	8.894	12.828	13th Jun 2023	20:30
5	Berhampur	Berhampur	2x40+1x20=100	66.209	46.935	69.613	12th Jun 2023	23:00
6	Bhanjanagar	Bhanjanagar	2x40+1x16=96	32.599	25.462	33.662	18th Jun 2023	23:00
7	Boudh	Boudh	2x20=40	11.488	6.122	16.476	14th Jun 2023	23:00
8	Chatrapur	IRE Feeder-1&2	132kV	8.016	7.559	9.763	30th Jun 2023	19:00
		Rambha Traction	132 kV	6.480	4.197	11.360	14th Jun 2023	19:45
		Chatrapur	3x20=60	16.709	15.489	37.756	2nd Jun 2023	07:45
9	Chikiti	Chikiti	1x40=40	5.840	8.979	16.120	22th Jun 2023	22:45
10	Dabugaon	Dabugaon	2x12.5=25	9.956	6.641	12.744	4th Jun 2023	03:45
11	Digapahandi	Digapahandi	2x20+1x12.5=52.5	26.156	22.051	33.925	6th Jun 2023	15:45
12	Ganjam	GRASIM Ind. Ltd.	132kV	18.650	17.857	19.638	20th Jun 2023	15:30
		Ganjam	2x12.5=25	15.144	11.816	18.896	18th Jun 2023	07:45
13	G Udaigiri	G Udaigiri	1x20=20	6.066	0.000	7.673	4th Jun 2023	12:00
14	Gunupur	Gunupur	2x20=40	7.932	5.539	8.744	18th Jun 2023	22:30
15	Hinjli GIS	Hinjli GIS	2x20=40	9.882	0.000	14.311	8th Jun 2023	15:30
16	Jeypore PG	Jeypore PG Ter.	28KV	0.043	0.043	0.043	1st Jun 2023	00:00
17	Jayanagar	Jeypore Trac.	132 kV	27.760	11.144	28.480	1st Jun 2023	04:00
		Jayanagar	2x20+1x12.5=52.5	36.041	27.585	38.477	16th Jun 2023	20:45
18	Kalimela	Kalimela	2x20=40	9.792	6.710	11.038	18th Jun 2023	21:15
19	Kasipur	Kasipur(220/33)	1x20=20	1.368	0.945	3.232	3rd Jun 2023	11:30
20	Laxmipur	Laxmipur RTSS	220kV	2.199	0.000	10.801	3rd Jun 2023	20:30
		Laxmipur(220/33)	1x20=20	5.780	4.780	8.352	3rd Jun 2023	19:30
		Utkal Alumina Fdr-I&II	220kV	2.040	0.886	21.800	9th Jun 2023	15:30
21	Malkangiri	Malkangiri (220/33)	2x40=80	9.600	6.972	12.080	17th Jun 2023	16:15
22	Meenakshi s/w	Megalift Feeder	33kV	0.000	0.002	0.232	29th Jun 2023	10:15
23	Mohana	Mohana	2x12.5=25	7.856	6.089	10.100	21th Jun 2023	13:30
24	Muniguda	Muniguda	1x12.5=12.5	9.253	7.077	9.795	17th Jun 2023	22:45
		Bissam-Cuttack Tr	132 kV	7.480	6.089	24.360	23th Jun 2023	13:15
25	Narendrapur	TATA Feeder-I&II	220 KV	24.760	22.805	25.800	2nd Jun 2023	05:00
		Narendrapur Trac	132 kV	7.640	4.211	13.320	16th Jun 2023	14:45
		Narendrapur	3x40+1x20=140	53.464	37.991	55.760	10th Jun 2023	14:45
26	Nabarangpur	Nabarangpur	1x20=20	6.389	8.267	15.461	8th Jun 2023	20:15
27	Paralakhemundi	Paralakhemundi	3x12.5=37.5	20.460	14.974	22.760	12th Jun 2023	22:15
28	Phulbani	Phulbani	2x40+1x12.5=92.5	22.072	16.047	26.012	23th Jun 2023	12:30
29	Podagada	Podagada	1x12.5=12.5	2.156	2.180	4.205	9th Jun 2023	19:15
30	Potangi	Potangi	1x40=40	3.916	2.602	7.780	4th Jun 2023	06:00
31	Purushottampur	Purushottampur	1x20+2x12.5=45	15.754	12.895	18.683	8th Jun 2023	19:30
32	Rayagada	Rayagada Trac.	132 kV	4.600	5.774	15.080	15th Jun 2023	09:15
		Rayagada	2x12.5=25	17.696	12.588	21.500	19th Jun 2023	00:00
33	Sunabeda	HAL Feeder	132kV	4.896	4.865	10.852	9th Jun 2023	09:15
		Sunabeda	1x20+2x12.5=45	20.800	17.436	27.144	12th Jun 2023	19:30
34	Tentulikhunti	Tentulikhunti	3x20=60	13.255	8.105	16.692	18th Jun 2023	19:45
		Guhipita	33kV	0.000	0.307	1.638	14th Jun 2023	12:00
35	Therubali	JK Feeder	132kV	0.000	0.000	8.676	3rd Jun 2023	18:30
		Bhalumaska Trac.	132kV	1.200	0.000	14.000	28th Jun 2023	18:15
		IMFA	132kV	46.920	0.000	49.800	23th Jun 2023	21:15
		Therubali	2x12.5=25	6.844	5.411	7.388	19th Jun 2023	20:30
36	Umerkote	Umerkote	2x20=40	25.944	19.270	30.668	11th Jun 2023	20:00
37	Balugaon	Khallikote Feeder	33kV	8.168	6.675	15.120	6th Jun 2023	08:00
38	Sonepur	Manamunda Feeder	33kV	10.624	8.389	14.516	11th Jun 2023	16:45
39	Tentulikhunti	Mukhiguda Fdr	33KV	-1.100	-0.795	-2.420	6th Jun 2023	15:45
		Vento Energy Solar	132 kV	0.080	0.044	0.440	11th Jun 2023	18:45
40	Boudh	Aditya Birla Solar-I 33kV	33kV	0.000	0.000	24.993	22th Jun 2023	11:45
41	Damanjodi	Nalco	220kV	41.000	0.000	47.280	11th Jun 2023	10:00
		Nalco	132kV	0.000	0.000	0.000	1st Jun 2023	00:00
		TPSODL TOTAL ENERGY (MU)		**787.2791**	**379.2516**	**1,075.5297**		

INTERRUPTION REPORT FOR THE MONTH OF JUNE-2023

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	LOSS
1	Chandpur	01.06.23	10:10	18:04	07:54	132kV Chandpur - Balugaon feeder	**At Chandpur end:**-Auto Recloser Block, Distance pick up L3-E,distance-14.5 Km , IL1=0.01KA, IL2=0.01KA & IL3=0.97KA **At Balugaon end:**-no tripping & L/C			The line may tripped due to lightning.	
2	Therubali	02.06.23	12:34	17:17	04:43	220kV Therubali - Narendrapur ckt-II	**At Therubali end:**- L3-N, Z-1, 178.98KM, Ia=173A, Ib=202A, Ic=980A **At Narendrapur end**:- C-N, Z-1, 69.87KM, 1.499KA			Line patrolling was done from Narendrapur end.A tree branch has fallen on bottom conductor between loc.407 & 408 .	
3	Jayanagar	02.06.23	12:44	13:05	00:21	220kV Jayanagar - Balimela ckt-I	R-N.Z1,Dist-64.73Km,If-1.75KA				
4	Aska	02.06.23	13:20	13:57	00:37	132kV Aska - Purusottampur feeder	**At Aska end**:- R-PH E/F, Zone-1, Dist-16.69km **At Purusottampur end:**- R-PH, Dist-25.7km, E/F, L1-1.10kA, L2-0.32kA, L3-0.34kA			Purusottampur Power supply availed from Chtarapur Grid	
			13:20	13:26	00:06	132/33kV TFR-2					
			13:20	13:29	00:09	132/33kV TFR-3					
			13:20	13:25	00:05	132/33kV TFR-1					
5	Jaleswar	02.06.23	13:46	03.06.23 17:36:00	27:50	132kV Jaleswar - Kuchei feeder	Top & middle insulator string damaged at Loc. No.216				
6	Lapanga	02.06.23	13:55	14:42	00:47	400kV Lapanga - Meramundali ckt-I	**At Lapanga end:-** BPH-G, DIST-10.62KM, Z1, IL1-0.837KA, IL2-0.559KA, IL3-14.270KA **At Meramundali end**:- BPH-G, DIST-134.6KM, Z1, IL3-2.480KA			AR SUCCESSFUL AT MERAMUNDALI END No fault found during patrolling	
7	Laxmipur	02.06.23	15:05	15:48	00:43	220kV Laxmipur - Nalco ckt-II	B-Ph,Z=1,IB=2.7KA,Distance=7.4Kms				
8	Balasore	02.06.23	15:30	18:25	02:55	220kV Balasore - NewDuburi feeder	**At Balasore end:**- Main-I:- A-N, Zone-1, fault distance-58.87km, fault current-Ia=2.253A, Ib=68.09A, Ic=50.64A, Main-II:- Fault Loop-L1-N, Zone-1,Dist=57.295km, Fault current IL1=2376 A, IL2=93.83A ,IL3=98.95A **At New Duburi end:-** Main-I:- R-ph Trip, Zone-I, Dist-68.5km, fault current- Ir=2.39kA, Main-II:- R-ph Trip, Zone-I, Dist-67.94km, Fault current Ir=2.468kA			Patrolling of the line was done by 220KV Line S/D team & no fault was found.	
9	JALESWAR	02.06.23	15:56	17:36	01:40	132KV Jaleswar-Baripada PG	Tripped DUE TO Insulator puncture at Loc no 217			Insulator puncture at Loc no 217	
10	Salipur	02.06.23	17:40	21:22	03:42	132kV Salipur - ICCL feeder	I.DP Relay(Micom Alstom P442) **,** Active Group 2, Started Phase AN, Tripped Phase A B C, Started Elements Distance, Dist. Trip Zone 1, Fault Location 8.797km, Ia=1.191kA, Ib=136.5A, Ic=144.6A, Van=10.51kV, Vbn=78.01kV, Vcn=76.20kV	OCL		No fault found after line patrolling	
11	Kamakhyanagar	03.06.23	02:12	02:55	00:43	132kV Kamakhyanagar - OPCL feeder	B-ph trip				
			02:12	02:41	00:29	132kV Kamakhyanagar - Goda feeder	Tripped at Goda end only				
12	Therubali	03.06.23	09:26	09:57	00:31	220/132kV 160MVA Auto Transformer-3	Buchholz alarm operated. So H/T to avail S/D.				
13	BUDHIPADAR	03.06.23	12:44	15:28	02:44	220KV Budhipadar-Raigarh	Tripped			A/R successful at Budhipadar. At Raigarh breaker was in tripped condition	
14	Mohana	03.06.23	14:27	20:07	05:40	132kV Digapahandi - Mohana feeder	Tripped on Zone-1 fault, A=2.199,B=54, C=196, G=1960.[Earth wire snapped at 10.69 km at Puda mari, LC taken for maintenance] Charged at 14:46 hrs, but tripped immdiately.			Earth wire snapped at 10.69 km at Puda mari, LC taken for maintenance	
15	Berhampur	03.06.23	15:50	16:59	01:09	132kV Berhampur - Narendrapur feeder	Tripped on R-Phase to E/F.(Backup relay only operated) Ir-2.42KAmp ,Iy-0.18KAmp ,Ib-0.30KAmp.[Heavy winds,lightening and rains.]			Heavy winds,lightening and rains	
16	Paralakhemundi	03.06.23	16:10	16:18	00:08	132kV Paralakhemundi - Akhusingh feeder	Tripped on O/C				
17	Birmaharajpur	03.06.23	16:42	18:48	02:06	132kV Birmaharajpur - Sonepur feeder	Incoming Supply failure from source	Brimaharajpur			
18	Bhadrak	03.06.23	18:00	20:06	02:06	132kV Bhadrak - Agarpada feeder	Tripped on distance protection ,started phase CN, Zone-I, Fault distance 13.56KM Ia=73.63A,Ib-80.81A,Ic=4.079KA [Heavy rainfall, lightning]			Heavy rainfall, lightning and thunder storm observed	
19	Tarkera	04.06.23	07:02	06.06.23 10:32:00	51:30	220kV Tarkera - Bonai feeder	MT			SPS	
			07:02	06.06.23 10:32:00	51:30	220kV Tarkera - Rengali feeder					
20	Akhusingh	04.06.23	08:33	08:44	00:11	132kV Akhusingh - Mohana feeder	E/F, Ia=20A, Ib=80A, Ic=470A. Dist=48.8km				New

21	Lapanga	04.06.23	12:05	15:53	03:48	400kV Lapanga - Meramundali ckt-II	**At Lapanga end:**- RPH-G, DIST-27.94KM, Z1, IL1-10.06KA, IL2-0.511KA, IL3-0.779KA **At Meramundali end:**- RPH-G, DIST-121.9KM, Z1, IL1-2.41KA			AR UNSUCCESSFUL AT BOTH ENDS	
22	Podagada	04.06.23	13:54	14:06	00:12	132kV Podagada - Rayagada feeder	Tripped on GR-A/B, Trip Relay Optd,Distance relay Optd , R-Ph fault, Y-Ph faultZone-1 Trip, Pickup time= 90 mS, Tripping Time-15ms, Dist-50.2KM, IL1= 0.97KA, IL2= 0.94KA, IL3=0.36KA, R Sec= 3.71 ohm, X Sec= 7.03 ohm,R Pri= 11.14 ohm, X Pri= 21.10 ohm			Charged after getting confirmation from Rayagada GSS.	
			14:07	15:59	01:52		Tripped on GR-A/B, Trip Relay Optd,Distance relay Optd , R-Ph fault, Y-Ph fault, Zone-2 Trip, Pickup time= 90 mS, Tripping Time-351ms, IL1= 0.87KA, IL2= 0.88KA, IL3=0.03KA, R Sec= 4.31 ohm, X Sec= 8.63 ohm,R Pri= 12.93 ohm, X Pri= 25.89 ohm				
23	Therubali	04.06.23	14:25	14:50	00:25	132kV Therubali - Muniguda feeder	**At Therubali end:**- AB-N, Z-1, 14.65KM, Ia=3.34KA, Ib=3.04KA, Ic=182.8A **At Muniguda end**:- AB-N, Z-1, 17.4KM, Ia=1.3KA, Ib=1.2KA				
24	Meramundali	04.06.23	14:44	15:18	00:34	132kV Meramundali - BRG feeder	Y-E,IY=7.01 KA,Z1,DIST=1.51 KM,M/T			SLDC S/ON Code-SN-04	
25	Chainpal	04.06.23	14:44	16:48	02:04	132kV Chainpal - TTPS Ckt-II	Tripped at TTPS end on Distance Protection Relay with indication Z3, Fault Distance 18.48Km, IA=0.889kA, IB=3.20kA, IC=0.794kA				
26	Akhusingh	04.06.23	15:04	15:42	00:38	132kV Akhusingh - Mohana feeder	E/F, Ia=60A, Ib=1728A, Ic=1691A, In=1025A Dist=40.52km				
27	Meramundali	04.06.23	15:18	15:28	00:10	132KV Meramundali-Bhanjanagar	Tripped				
			15:18	15:28	00:10	132kV Meramundali - BRG feeder	Tripped at Budhipadar on Y-E,IY=7.01 KA,Z1,DIST=1.51 KM,M/T. Breaker did not trip from BRG End.				
28	Meramundali	04.06.23	15:33	21:40	06:07	132kV Meramundali - BRG feeder	Tripped at Budhipadar on Directional O/C,M/T [Y-Ph jumper was snapped at Loc no-05.SLDC S/ON Code-SN-15]			Y-Ph jumper was snapped at Loc no-05.	
29	Agarpada	04.06.23	17:10	17:20	00:10	132kV Agarpada - Anandpur feeder	zone- Z2/Z3,Gr A/B optd. DP relay optd. [B-phase LA of TFR-II brust.]			B-phase LA of TFR-II brust.	
30	Meramundali B	04.06.23	17:58	18:21	00:23	220kV Meramundali B - Goda feeder	**At Goda end**:- DP, Z-1, Dist-16.3km, Ib=3.47kA **At Meramundali B end:**- DP, Z-1, Dist-51km				
31	Nuapatna	04.06.23	18:04	20:43	02:39	132kV Nuapatna - Arati feeder	Tripped with following indication: B ph E/F, Ia=46.9A, Ib=1.45kA, Ic=150.4ADP: 35.6km, Zone-1, At Arati end: DP: 20.385km, z-1, Ia=1.8kA, Ib=155A, Ic=47.5A			Bad weather, heavy thunder storm.	
32	Paradeep	04.06.23	18:38	18:46	00:08	220kV Paradeep - New Duburi ckt-I	MAIN-I :C-G,D-62.8KM,Z1,Ia-265.8A,Ib-432.6A,Ic-1348.4A ,MAIN-II :C-G,D-62.6KM,Z1 ,Ia-265.83A,Ib-432.6A,Ic-1348.2A			AUTO RECLOSURE OPTED.	
33	Gondia	04.06.23	19:06	21:08	02:02	132kV Gondia - TTPS feeder	Tripped			Broken Conductor Alarm at TTPS end. Line charged after thorough patrolling.	
34	Angul	04.06.23	19:33	21:51	02:18	132kV Angul - TTPS feeder	Tripped on DP Relay,Fault loop-L2N,Fault current -2.42KA, Fault abs. distance-12.073KM			Heavy rain and severe lighting	
35	Salipur	04.06.23	19:34	20:26	00:52	132kV Salipur - ICCL feeder	I.DP Relay(Micom Alstom P442) , Started Phase CN, Tripped Phase A B C, Started Elements Distance, Dist. Trip Zone 1, Fault Location 16.68km, Ia=264.3A Ib=43.71A Ic=1.896kA, Van=75.17kV Vbn=74.59kV, Vcn=24.1kV			No fault found after line patrolling	
36	Rengali	04.06.23	19:42	22:25	02:43	220kV Rengali - Nalco feeder	Tripped [R-ph Disc insulator puncture at loc.87]			R-ph Disc insulator puncture at loc.87	
37	Angul	04.06.23	20:03	20:27	00:24	132kV Angul - Chainpal feeder	Tripped on DP Relay,Fault loop-L1N,Fault current -7.8KA, Fault abs. distance-8.05KM	Angul Boinda Rairakhol	00:25 00:15	Heavy rain and severe lighting	
			20:03	20:18	00:15	132kV Rairakhol - Boinda feeder	Due to incomer failed at Angul end				
			20:04	20:09	00:05	132kV Angul - Boinda feeder	NIL			THE FEEDER TRIPPED AT ANGUL GRID END . 132 KV P/S AVAILED AT 20:09 . FROM MANESWAR GRID END.	
38	Chandpur	04.06.23	20:28	20:28	00:00	132kV Chandpur - Atri feeder	A/R Successful of both Artri & Chandpur end. **At Chandpur end**:-Distance pick up L2-E,IL1=0.15KA,IL2=0.16KA,IL3=0.15KA. Distance=28km **At Atri end:**- Y-N,Z-1,Ia=5.608KA, Distance=12.70KA			Auto Recloser successful at both end(chandpur end & Atri end). This line may tripped due Bad weather condition.	
39	Akhusingh	05.06.23	10:12	10:34	00:22	132kV Akhusingh - Rayagada feeder	Incoming failure			Therubali incoming supply availed	

40	Budhipadar	06.06.23	13:52	15:12	01:20	132kV Budhipadar - Kalunga feeder	**At Budhipadar end**:- triped on D/P relay, FL=Yph-E, Zone-2, FD=67.39km, fault current:- Ib=1.297kA **At Kalunga end**:- D/P operated, Zone-1, FL=Yph-E, FD=23.27KM, Ib-1.9kA [Due to severe thunder and lightning]			Due to severe thunder and lightning	
41	Nimapara	06.06.23	14:40	16:04	01:24	132kV Nimapara - Chandaka feeder	**At Nimapara end:**- SOTF, Z1, AN, Ia=1.34KA, Ib=191A, Ic=344A, D=30.62KM **At Chandaka end:**- SOTF, Z1, AN, Ia=4.82KA, Ib=176A, Ic=346A, D=17.71KM			Due to severe thunder and lightning	
42	Tarkera	06.06.23	14:52	20.06.23 19:57:00	341:05	220kV Tarkera - Bonai feeder	MT			SPS	
			14:52	20.06.23 19:57:00	341:05	220kV Tarkera - Rengali feeder					
43	Balasore	06.06.23	16:03	18:11	02:08	220kV Balasore - NewDuburi feeder	**At Balasore end:-** Main-I:- C-N, Zone-1, fault distance-79.15km, fault current-Ia=35.08A, Ib=66.64A, Ic=1.723kA, Main-II: Fault Loop-L3-N, Zone-1, Dist=160.59km, Fault current IL1=18.57A, IL2=50.55A, IL3=753.53A **At New Duburi end:-** Main-I: B-ph Trip, Zone-I, Dist-68.6km, fault current- Ib=1.95kA, Main-II:- B-ph Trip, Zone-I, Dist-75.5km, Fault current Ib=2.068kA [Heavy rainfall, lightning]			Heavy rainfall, lightning	
44	Muniguda	06.06.23	20:53	20:54	00:01	132kV Muniguda - RTSS feeder	Tripped on O/C Ia=263.2A, Ib=261.2A	Charged and stood ok		Charged and stood ok	
45	Narendrapur	06.06.23	21:09	07.06.23 12:55	15:46	160MVA Auto Trf-III	Tripped on following indications: Facia:-On 220KV Side Facia-86A relay operated, Transformer differential protection operated, M/R Operataed, L1-0.12I/Ino ,res-0.64I/Ino , L2-0.12I/Ino Res-0.64I/Ino , L3-0.24I/Ino Res-0.46I/Ino. 132KV Side Facia-86B Relay operated. Master Trip Relay Operated, DC Supervision Relay operated. Then L/C requisition by SDO TLS Narendrapur for attending to cable fault.			132KV Side Facia-86B Relay operated. Master Trip Relay Operated, DC Supervision Relay operated. Then L/C requisition by SDO TLS Narendrapur for attending to cable fault.	New
46	Chhatrapur	06.06.23	21:24	21:32	00:08	132kV Chhatrapur - ASKA NEW feeder	Tripped on O/C(B-Ph) ,E/F with M/R,Z-1,DISTANCE:29.14KM,Ir-91A,Iy-134A,Ib-1.98KA,IG=2038A				
47	Atri	07.06.23	07:39	08:02	00:23	220kV Narendrapur - Atri ckt-I	**At Narendrapur end:**- Tripped with following Indications: Facia-Main-I Protection Operated, CB Pole Disc Operated, A/R Opearted. Main-I(SEL311C) , C to G, Dist-59.03KM , Zone-1, Ia-108Amp, Ib-238Amp, Ic-1649amp, Ig-1866Amp. Main-II (MicomP444) , C to N, Zone-1, Ia-158.3Amp, Ib-62.08Amp, Ic-1.507KAmp. **At Atri end:-** B to N, Dist-78.56KM, Ir-72.29Amp ,Iy-358.4Amp, Ib-1.918KAmp				
48	Narendrapur	07.06.23	15:05	15:05	00:00	220kV Narendrapur - Atri Ckt-I	220KV NPR ATRI CKT-I is tripped but closed again on A/R Operation.Fault details:- Main-I(SEL311C) ,A to G , Dist-8.44KM ,Zone-I ,Ia-4738Amp ,Ib- 241Amp ,Ic-278Amp ,Ig-5254Amp.Main-II(MicomP444) A to N , Dist-8.337KM ,Zone-I ,Ia-4.565KAmp ,Ib-224.4Amp ,Ic-267.7Amp ,Fault Resistance-1.708 Ohm. At ATRI End, Main-I(MicomP40) ,Over Voltage R-Phase , Zone-I ,Ia-95.95Amp ,Ib-94.21Amp, Ic-89.59Amp , Main-II(MultilinD60), C-Phase To G ,Zone-I ,Ia-1.536KAmp ,Ib-210Amp ,Ic-159Amp,Dist-109.9KM.				New
			15:10	15:10	00:00		Fault details:- Main-I ,A to G , Dist-56.24KM ,Zone-I ,Ia-1959Amp ,Ib- 53Amp ,Ic-112Amp ,Ig-2107Amp.Main-II(MicomP444) A to N , Dist-56.31KM ,Zone-I ,Ia-2.004KAmp ,Ib-50.33Amp ,Ic-115.9Amp ,Fault Resistance-5.162 Ohm. At ATRI End, Main-I(MicomP40) , A Phase to G ,Zone-I ,Ia-97.71Amp ,Ib-99.35Amp ,Ic-89.81Amp ,Main-II(MultlinD60) Y-Ph to B-Ph Trip ,Zone-I ,Ia-1.853KAmp ,Ib-65Amp, Ic-135Amp , Dist-76.4KM				
49	Jajpur Road	07.06.23	16:27	19:18	02:51	132kV Jajpur Road - Jajpur Town feeder	DP RELAY OPERATED, FAULT CURRENT: IA=6.473A,IB=6.107KA,IC=4.511A;F. VOLTAGE: VAN=76.87KV,VBN=32.79KV,VCN=76.94KV; F. ZONE-I ;FAULT LOCATION=3.721 KM; FAULT RESISTANCE=3.432Ω			After getting clerance from LINE MAINT. BHADRAK the line was Idle charged	
50	Mendhasal	07.06.23	17:21	18:41	01:20	220kV Mendhasal - Nayagarh feeder	Main-1=Ic=16.4KA Dist:2.3KM AR initiated but blocked Main-2= Ic=16.2KA Dist:2.3KM, zone-1 AR initiated but blocked At Nayagarah end:- Ic=1.16KA Dist: 48.1KM AR success zone-1			AR initiated but blocked	

			17:21	18:45	01:24	220kV Mendhasal - Chandaka ckt-III	Main-1=Ia=14.77KA Dist:2.2KM 861 and K96relay operated Main-2= Ia=14.71KA Dist= 2.2KM, 862 relay operated				
51	Paradeep	07.06.23	19:16	08.06.23 14:39:00	19:23	160MVA Auto-III	TRIPPED ON O/C, Y-PHE ,E/F			132kV SIDE Y-PHASE CT BRUST	New
52	Joda	08.06.23	12:14	15:27	03:13	220kV Joda - TTPS Ckt-II	Tripped at both end with following relay indication **At Joda end:-** DP Relay(Main-I): Zone-1, Fault Current: Ia=1.181kA, Ib=60.05A, Ic=56.49A, VAN=109.9kV, VBN=127.1kV, VCN=129.2kV, DP Relay(Main-II): Zone-1, AGT, FD=113.21km, Fault Current: A=1264A, B=58A, C=57A, N=1314A, G=1315A **At TTPS end:** DP relay, Zone-I, Fault Dist=4.9km, Fault current: Ia=13.36kA, Ib=216.6A, Ic=69.57A [Lightening]			Due to lightening not charged from TTPS end.	
53	New Duburi	08.06.23	14:32	19.06.23 01:04:00	250:32	400kV New Duburi - Meramundali ckt-I	**At New Duburi end:**- FACIA, MAIN-1 PROT. OPTD, MASTER TRIP RELAY-I/II OPTD, MAIN AND PROT. OPTD. MAIN-I 1ST EVENT DIST. LOOP L2-E, DIST PICK-UP L2-E, A/R 1ST CYCLE SUCCESSFUL, IL2-4.07KA, DIST.-64.8KM **At Meramundali end**:- MAIN-1 BEFORE A/R, IY-6.89KA, DIST.-37.7KM AFTER A/R, IB-6.94KA, DIST.-36.9KM MAIN-2-BEFORE A/R,B-PH-G, ZONE-1,IY-6.99 KA, DIST.-41.4KM,AFTER A/R,IB-6.90KA, DIST.-36.2KM **2ND EVENT** FAULT LOOP L3-E, A/R NOT READY, IL3-4.42KA, DIST.-60.1KM, A/R BLOCKED **MAIN-II** **1ST EVENT** L2-E ON, ZONE-1, A/R PROGRESS, IL2-4.08KA, DIST.-64.7KM **2ND EVENT** FAULT LOOP L3-E, A/R NOT READY, IL3-4.43KA, DIST.-59.9KM, A/R BLOCKED [Tower Collapse at loc. no.-135]			After field verification, it was found out that :- i) 01 No. 400KV DA+3 Tower has collapsed at Loc No.135 due to severe whirl winds. ii) 01 No. Tower leg has bent at Loc No. 134. iii) 01 No. cross arm has bent at Tower Loc No. 136 with 02 Nos. of peaks damaged. TOWER ERECTION COMPLETED AT LOCATION NO.-135	
			14:32	19.06.23 01:42:00	251:10	400kV New Duburi - Meramundali ckt-II	**At New Duburi end:**- FACIA MAIN-1 PROT. OPTD, MASTER TRIP RELAY-I/II OPTD, MAIN AND PROT. OPTD MAIN-I GENERAL TRIP, Y-PH TRIP, B-PH TRIP, ZONE 1 TRIP, A/R BLOCK, 1 POLE TRIP, Dist.-69.0KM, IL1 0.59KA, IL2-5.33KA, IL3-5.30KA **At Meramundali end**:- MAIN-1 Y-B FAULT, ZONE-1, IY-8.90KA, IB-8.37KA, DIST.-41.1KM MAIN-2 **MAIN-II** GENERAL TRIP, Y-PH TRIP, B-PH TRIP, ZONE 1 TRIP, A/R BLOCK, 1 POLE TRIP, Dist.-69.0KM, IL1-0.59KA, IL2-5.33KA, IL3-5.31KA, DIST.- 68.7KM				
54	Soro	08.06.23	14:40	17:08	02:28	132kV Bhadrak - Soro feeder	**At Bhadrak end:**- Tripped on Y Phase over current, Zone-II, Started Phase BN, Fault distance =35.63km, IA=201.7A, IB=2.193kA, IC=269.2A **At Soro end:-** Zone-I, Y phase tripped, Distance 1.2km, IA=205.2A, IB=1.608kA, IC=276A, IN=2.088kA [Conductor snapped}	Soro	00:38	due to snapping of conductor L/C taken & after work done the said feeder charged at 14:39 on dated 17.05.23	
			14:40	15:16	00:36	132kV Soro - Chandipur feeder	**At Soro end:**- Breaker did not trip. **At Chandipur end:-** Zone-I,Y-Phase, Dist-31.83km, IR= 74.41Amp, IY=1.33kA, IB=10.05A				
			14:40	15:18	00:38	40MVA 132/33kV TRF No.I	Source Failure				
			14:40	15:18	00:38	20MVA 132/33kV TRF No.II					
			14:40	15:18	00:38	40MVA 132/33kV TRF No.III					
55	Choudwar	08.06.23	15:56	17:02	01:06	132kV Choudwar - Bidanasi feeder	Trippped during heavy rain & thunderstorm				
56	Paradeep	08.06.23	16:38	17:24	00:46	220kV Paradeep - New Duburi ckt-I	A-G,Z1,D-26.2KM,MT OPTD,Ia-3085.15A,Ib-230.73A,Ic-468.4A [DUE TO HEAVY RAIN & LIGHTENING]			DUE TO HEAVY RAIN & LIGHTENING	
57	Kesura	08.06.23	16:51	18:28	01:37	132kV Kesura - Ranasinghpur feeder	Tripped on Y ph O/C,E/F Zone 1 [Tree fall between loc. No.3 and 4 in 132kV Kesura - Pratapsasan feeder]	Discom Load is zer		Tripped at GSS Kesura end	No loss
			17:01	20:13	03:12	132kV Kesura - Pratapsasan feeder				A/R not reported at Pratapsasan.Tripped at GSS Pratapsasan end. Tree fall between loc. No.3 and 4	
58	Mendhasal	08.06.23	16:53	19:26	02:33	132kV Mendhasal - Chandaka feeder	Tripped-L3= 3.43KA Distance=18.4KM d%=86.5% z2 tripped AR not ready AR Blocked.			AR Blocked	
59	Pratapsasan	08.06.23	17:01	20:09	03:08	220kV Pratapsasan - Pandiabil ckt-I	Tripped			A/R not reported.Patrolling done. No fault found.	

60	Phulnakhara	08.06.23	17:10	17:30	00:20	132kV Mancheswar - Phulnakhara feeder	DP, Z-3, Ir=634.8,Iy=682.8A,Ib=2.139KA, D=47.59KM			During the time of fault in 132KV Pratapsasan-Phulnakhara feeder 1 , the 132KV P/S continued to receive from Mancheswar GSS & Cuttack GSS via 132KV Mancheswar-Phulnakhara feeder and 132KV Cuttack-Phulnakhara feeder	
			17:11	17:25	00:14	132kV Phulnakhara - Pratapsasan ckt-I	**At Phulnakhara end**:- Tripped on B-ph to E/F in B/U relay. Ir=516A, Iy= 452.8A, Ib= 1.972KA, DP relay did not operate.				
			17:11	17:25	00:14	132kV Phulnakhara - Pratapsasan ckt-II	**At Phulnakhara end**:- Tripped on B-ph to E/F in B/U relay, Ir=290A, Iy= 170A, Ib= 1.17KA, DP relay did not operate, but picked up in zone-2 , Dist=21.8km				
61	Konark	08.06.23	18:19	18:23	00:04	132kV Konark - Nimapara feeder	Supply failure				
62	Akhusingh	09.06.23	12:29	13:14	00:45	132kV Akhusingh - Mohana feeder	Tripped on O/C, E/F,IA=90AMP, IB=1130AMP, IC= 50AMP, Dist =23.3 km.			Breaker problme at Akhusingh end, during restoring.	
63	Telkoi	09.06.23	12:59	15:45	02:46	220kV Telkoi - TTPS feeder	Tripped on distance protection from both Telkoi & TTPS end with autoreclosure successful at Telkoi end. DP relay data(Main-II) at Telkoi end: (1) fault type CG (2) Fault location 34.6KM (3) IA=30.428A, IB=31.030A, IC=641.689A, IN=656.371A (4) Distance Zone-1 DP relay data at TTPS end: (1) IA=0A, IB=26.31A, IC=229.3A (2) Zone-2				
64	Meramundali B	09.06.23	14:46	15:23	00:37	220kV Meramundali B - Goda feeder	At Meramundali B end:- E/F, Dist-57.7km, Ic=2.8kA			Patrolling of the line was done & no fault was found.	
65	Bhanjanagar	09.06.23	15:24	18:18	02:54	220kV Bhanjanagar - Mendhasal feeder	**At Bhanjanagar end**:- AN, Zone-1, Dist-8.611km, IA=3.33kA **At Mendhasal end**:- AN, Zone-2, Dist-123.9km, IA=1.24kA			Charged after patrolling done.	
66	Meramundali B	09.06.23	15:44	17:30	01:46	220kV Meramundali B - Goda feeder	At Goda end:- E/F, DP, Z-1, Dist-10.56km, Ib=4.09kA			Patrolling of the line was done & no fault was found.	
67	Bhanjanagar	10.06.23	11:33	14:27	02:54	220kV Bhanjanagar - Therubali ckt-II	**At Bhanjanagar end:**- BCN, Zone-1, Dist-88.66km, IB=1.92kA, IC=1.74kA **At Therubali end**:- BCN, Zone-1, Dist-79.49km, IB=2.56kA, IC=2.4kA			Charged after patrolling done.	
68	Chhatrapur	10.06.23	15:51	16:14	00:23	132kV Chhatrapur - ASKA NEW feeder	Tripped on O/C(R-Ph) ,E/F with M/R,Z-1,DISTANCE:16.22KM,Ir-2929A,Iy-93A,Ib-177A,IG=3056A				
69	Meramundali	10.06.23	16:06	29.06.23 19:10:00	459:03	220kV Meramundali - Kaniha ckt-I	**At Meramundali end:**-M1= Z1,B-E,SOTF, DIST= 10.75 KM, IR= 0.00 KA, IY= 0.00 A,IB= 29.41 A. M2= Z1,B-E,SOTF, DIST= 10.65 KM, IR= 0.00 KA, IY= 0.00 A,IB= 8.24 KA **At Kaniha end**:-B-E, DIST= 29.1 KM, IB= 4.9 KA,Z1			Tower Collapse at loc. No. 41 & 42 because of Norwester Wind. Ckt-1 resumed but Ckt-2 contd. To be under B/D.	New
			16:06	Under Breakdown	-	220kV Meramundali - Kaniha ckt-II	**At Meramundali end:**-M1= Z1,R-E, DIST= 11.75 KM, IR= 10.88 KA, IY= 1.014K A,IB= 256.4 A. M2= Z1,R-E, DIST= 11.79 KM, IR= 10.88 KA, IY= 1.014K A,IB= 257.7 A **At Kaniha end**:- R-E, DIST= 30.82 KM, IR= 4.1 KA,Z1				
70	TTPS	10.06.23	16:10	12.06.23 12:55:00	44:45	132kV TTPS - Gondia feeder	**At Gondia end**:- Bph to E, Ib=0.94kA, Dist-69.10km			Tower Collapse at loc. 12 & 13	
			16:10	12.06.23 12:55:00	44:45	132kV TTPS - OPCL feeder	Tripped				
71	Meramundali	10.06.23	16:17	17:14	00:57	220kV Meramundali - NALCO ckt-I	**At Meramundali end**:- M1= Z2,R-E,DIST= 8.697 KM, IR= 1.988 KA, IY= 71.03 A,IB= 13.03 A				New
72	Meramundali	10.06.23	16:21	19.06.23 03:06:00	202:45	400kV Lapanga - Meramundali ckt-I	**At Lapanga end:**- TRIPPED, MAIN-1: No Data, MAIN-2: D=186KM, Ir=0.42KA, Iy=0.48KA, Ib=0.25KA, Zone-1 **At Meramundali end:-** TRIPPED, Before AR: D=1.9KM, SOTF, R-Y-Ph-Ground, Ir=No data, Iy=16.10KA, After AR: D=1.9KM, Y-Ph-Ground, Ir=0.12KA, Iy=11.38KA, Ib=0.09KA [TOWER COLLAPSED AT loc. No.-8]			TOWER COLLAPSED AT loc. No.-8 ,MERMUNDLI END	
			16:21	18:16	01:55	315 MVA ICT-II	400 KV SIDE:- B/U,O/C Pick up (LBB START), MT 220 KV SIDE:- B/U,O/C TRIP (LBB START), MT				
			16:23	19:42	03:19	400kV Meramundali - Mendhasal ckt-I	MAIN 1:Before A/R: SOTF,Z1, R-E, IR= 148.97 KA, DIST= 0.2 KM , After AR= R-E ,I R=18.48 KA,0.2 KM MAIN 2: I R=18.51 KA, I Y=777.4 A, I B=410.9 A,123.5 METER. At Remote end-AR UNSUCCESSFUL. Ist Event: R-E,IR= 4.07 KA, 133.2 KM 2nd Event: R-E, IR= 3.92 KA, DIST= 131.1 KM				
			16:23	19:49	03:26	400kV Meramundali A - Meramundali B feeder	MAIN1: R-E IR= 21.76 KA, IY= 1.45 KA, IB= 1.41 KA MAIN2: R-E PICK UP. At remote end-DRP TRIP				
			16:23	17:33	01:10	400kV Meramundali - Kaniha ckt-II	MAIN 1:Before A/R: Z1, Y-E, IY= 8.91 KA, DIST= 24.9 KM , After AR= Y-E ,I Y=10.38 KA,23.1 KM MAIN 2:Before A/R: Z1, Y-E, IY= 8.92 KA, DIST= 19.2 KM , After AR= Y-E ,I Y=10.75 KA,19.7 KM At remote ned-Z1,40.83 KM, IY- 7.7 KA				
			16:23	18:50	02:27	220kV TTPS - Meramundali ckt-II	Tripped				
			16:25	16:46	00:21	315 MVA ICT-II	400 KV SIDE:- B/U,O/C Pick up (LBB START), MT 220 KV SIDE:- B/U,O/C TRIP (LBB START), MT				
			16:25	11.06.23 12:49:00	20:24	220kV Bhanjanagar - Meramundali feeder	**At Bhanjanagar end:**- BN, Zone-1, Dist-110.1km, IB=1.58kA **At Meramundali end**:- BN, Zone-1, Dist-4.2km, IB=16.6kA				

			16:25	19.06.23 03:21:00	202:56	400kV Lapanga - Meramundali ckt-II	**At Lapanga end:**- TRIPPED, MAIN-1: D=192.5KM, Ir=2.60KA, Iy=0.30KA, Ib=3.00KA, Zone-1, MAIN-2: No Data **At Meramundali end:**- TRIPPED MAIN-1: Event-1: D=No data, B-Ph-Ground, Zone-1, Ib=12.06KA, Event-2: D=2.3KM, B-Ph-Ground, Zone-1, Ir=12.35KA, Iy=0.38KA, Ib=No data, MAIN-2: D=2.2KM, B-Ph-Ground, Zone-1, Ir=12.08KA, Iy=0.37KA, Ib=11.82KA				
			16:32	19:59	03:27	220kV Mendhasal - Bhanjanagar feeder	Tripped				
	Jharsuguda PG	10.06.23	17:20	18:12	00:52	400kV OPGC - Jhasuguda PG ckt-I	Tripped due to fault in Lapanga- Meramundali line			Delay in charging due to TOWER COLLAPSED AT loc. No.-8 of Lapanga-Meramundali line	
			17:20	18:19	00:59	400kV OPGC - Jhasuguda PG ckt-II					
	Lapanga	10.06.23	17:27	18:15	00:48	315MVA 400/220kV ICT-1	BOTH HV AND LV TRIPPED, IDMT-Earth fault, Ir=0.17KA, Iy=1.70KA, Ib=1,6KA, In=0.8KA				
			17:27	18:15	00:48	315MVA 400/220kV ICT-2	BOTH HV AND LV TRIPPED, IDMT-Earth fault, Ir=0.17KA, Iy=1.70KA, Ib=1,6KA, In=0.8KA				
			17:27	11.06.23 06:54:00	13:27	400kV Lapanga - Sterlite ckt-I	**At Lapanga end**:- TRIPPED, No data Recorded, DT-Received from Sterlite end				
			17:27	11.06.23 06:55:00	13:28	400kV Lapanga - Sterlite ckt-II	**At Lapanga end**:- TRIPPED, No data Recorded, DT-Received from Sterlite end				
			17:27	19:09	01:42	400KV Lapanga-OPGC I	Tripped				
			17:27	19:07	01:40	400KV Lapanga-OPGC II	Tripped				
73	Aska	10.06.23	16:26	16:41	00:15	132kV Aska - Purusottampur feeder	**At Aska end**:- B-ph to E, Zone-1, Dist-14.54km, IR-24.26A, IY-103A, IB-3.252kA **At Purusottampur end:**- IL1-0.02kA, IL2-0.10kA, IL3-1.80kA, B-ph to E, Zone-1, Dist-13.3km			Power supply availed from Chtarapur Grid	
74	Chainpal	10.06.23	16:37	17:24	00:47	132kV Chainpal - TTPS Ckt-II	Tripped at TTPS end only. DP Relay, Z3, Distance=39.94kM, IA=1.83kA, IB=1.793kA, IC=0.196kA				
75	Narendrapur	10.06.23	18:04	18:17	00:13	220kV Narendrapur - Atri Ckt-II	Tripped on distance fault. Facia- Main-I Operated , CB Pole discripency and A/R Operated. Main-I(MicomP442) ,C to N, Zone-I ,Dist-95.57KM , Ia-135.6Amp ,Ib-142.7Amp ,Ic-1.379KAmp ,Fault Resistance-8.025 Ohm .Main-II(MicomP444) ,C to N, Zone-I ,Dist-96.01KM , Ia-137.3Amp ,Ib-143.9Amp ,Ic-1.379KAmp, Fault Resistance-8.123 Ohm. At Atri end A/R Operated. B to G ,Dist-38KM ,Ia-157Amp ,Ib-161Amp ,Ic-3.067KAmp.				New
76	Budhipadar	11.06.23	11:29	12:01	00:32	220kV Budhipadar - Kuarmunda feeder	**At Budhipadar end:**- DP operated, Zone-1, FL: C-N, FD- 90.2Km, Ic-1.970KA **At Kuarmunda end**:- A/R successful				
77	New Duburi	11.06.23	17:30	12.06.23 10:41:00	17:11	220kV New Duburi - Balimunda feeder	**At New Duburi end:**- FACIA GR-AB TRIP RELAY OPERATED MAIN-1 & MAIN-2 DP OPERATED MAIN-I GENERAL-TRIP B-PH PICKUP Y-PH PICKUP B-PH PICKUP ZONE -1 IL1-0.06KA IL2-2.80KA, IL3-2.83KA DIST-69.90KM FAULT LOOP-L23 AR NOT SUCCESSFUL **At Balimunda end:**- DIST.-50.70KM, IA-36.03A, IB-1.571KA,IC-1.528KA **MAIN-II** ANY TRIP Y-Ph START B-Ph START Zone-1 PH-ABC trip AR BLOCK IA-57.43A IB-2.73KA IC-2.78KA, DIST-66.9KM **BACK UP RELAY** B-PH PICK UP, Y-PH PICK UP			NO PHYSICAL FAULT FOUND AT THE FAULT LOCATION AFTER LINE PATROLING THEN CHARGED AT 10:41HR ON 12.06.2023 BUT FAILED TO STAND .	
		12.06.23	10:41	13.06.23 17:35:00	30:54		**FACIA:** GR-AB TRIP MAIN-1 & MAIN-2 DP OPERATED SOTF OPERATED **MAIN-I EVENT-I-**ZONE -1 IL2-5.71KA DIST-22.9KM FAULT LOOP-L2E AR SUCCESSFUL **EVENT-II-**FAULT LOOP L1-L2 ZONE-1 IL1-6.36KA IL2-6.36KA IL3-0.04KA DIST 25.4KM **MAIN-II-EVENT-I-**LOOP-B N ZONE -1 IL1-41.29A IL2-5.73KA IL3-48.61A DIST-22.84KM AR SUCCESSFUL **EVENT-2-**LOOP AB Zone-1 PH-ABC trip AR BLOCK IA-6.228KA IB-6.22KA IC-46.09A DIST-24.99KM			FAULT CLEARED AT LOC.-72	
78	Kendrapara	12.06.23	07:46	08:11	00:25	132kV Kendrapara - Paradeep ckt-II	**At Kendrapara end:**- TRIPPED ON DP, ZONE-1, DIST.=17.6KM, Ir=278.9A,Iy-407.6A,Ib-1.27KA **At Paradeep end**:- RIPPED ON DP, ZONE-1, DIST.=9.67 KM, Ir=181.4 A,Iy-392.1 A,Ib-4.397 KA				
79	Tarkera	12.06.23	08:52	10:08	01:16	220kV Tarkera - Bamra feeder	At Tarkera end: DP1:- LOOP:- L3_N, ZONE-1, DIST:- 6.59 KM, IL3=10.232 KA, IN=10.459 KA DP2 : ZONE-1, DIST= 6.909 KM, IC= 10.44 KA ,LOOP : C-N, MT, At Bamra end: DP:- LOOP:- B-N, ZONE-1, DIST:- 47.88 KM, IC=1765 A, MT [A/R blocked]			TRANSIENT FAULT	
80	Atri	12.06.23	09:54	10:18	00:24	220kV Atri - Pandiabil ckt-I & II	Tripped				
81	Meramundali	12.06.23	12:18	12:47	00:29	400kV Meramundali - Mendhasal ckt-I	**At Meramundali end:**- O/C trip, IL1-1.52KA, IL2-1.56KA, IL3-1.52KA **At Mendhasal end:**- No tripping			Over current relay bypassed at MRDL end.	New

			12:18	12:54	00:36	400kV Meramundali - Mendhasal ckt-II	**At Meramundali end:**-Before A/R: Main 1: R-E , I R=5.54 KA, Dist- (-)9.2km, Zone-1 Main 2: R-E, I R=5.877 KA, Z1,38.9 KM, After A/R: Main 1:I R=3.4KA, Dist-32.7 KM Main 2: R-E, I R=3.616 KA, Z1, 28.18 KM **At Mendhasal end**:- Before A/R: L1-E Loop (R ph), IL1- 3.38KA, Dist- 121.5KM, Zone- 1B, After A/R:= IL1-3.22KA, IL2-0.08KA, IL3-0.08KA				
82	Duburi	12.06.23	12:22	12:39	00:17	220kV Duburi - Meramundali B feeder	Tripped on O/C				
83	Chhatrapur	12.06.23	12:30	12:33	00:03	132kV Chhatrapur - Balugaon feeder	Tripped on O/C(R,Y,B-Ph) with M/R,Ir-0.6KA,Iy-0.6KA,Ib-0.63KA				
84	Mendhasal	12.06.23	12:54	13:44	00:50	220kV Mendhasal - Chandaka ckt-III	UNDER VOLTAGE TRIP, 304.4A, 228.4A, 314.8A			UNDERVOLTAGE TRIP DUE TO 400KV LINE OUTAGE AT MENDHASAL GRID	
85	Meramundali	12.06.23	13:26	13:50	00:24	400kV Meramundali - Mendhasal ckt-I	**At Meramundali end**:- O/C trip, IL1-1.49KA, IL2-1.54KA, IL3-1.50KA **At Mendhasal end**:- No tripping			Over current relay bypassed at MRDL end. Initially Ckt-2 tripped then Ckt-1 tripped due to overloading.	New
			13:26	15:40	02:14	400kV Meramundali - Mendhasal ckt-II	**At Meramundali end:**- Before A/R:- Main 1:R-E , IR=5.34KA, Dist- 31.2km, Zone-1, Main 2: R-E, I R=1.01 KA, 26.26 KM, After A/R:- Main 1:I R=6.77 KA, Dist-28.7 KM, Main 2: R-E, I R=7.744KA, 29.83 KM, Z1 **At Mendhasal end**:- Before A/R:-L1-E Loop (R ph), IL1- 1.38KA, Dist- 110KM, Zone-1, 1B After A/R:- L1-E Loop (R ph), IL1- 1.38KA, Dist-110KM, Zone-1, 1B				
86	Rajgangpur	12.06.23	13:46	14:48	01:02	132kV Rajgangpur - Tarkera ckt-II	DP, BGT, IA=37 A, IB=3999A, IC=113A, IG=3890A, Zone-1, Dist-8.01km			LINE FAULT	
87	Nuapatna	12.06.23	13:51	15:24	01:33	132kV Nuapatna - Arati feeder	Tripped with following indication: Zone-1 operated, DP: 26.22km, Ia=1.886kA, Ib=220.7A, Ic=1.481kA			Bad weather, heavy thunder storm.	
88	Meramundali	12.06.23	14:33	15:40	01:07	400kV Meramundali - Mendhasal ckt-I	**At Meramundali end**:-Main 1:B-E , IB=5.46KA, Dist- 72.2km, Zone-1, Main 2: B-E, I B=5.58 KA, 66.83 KM **At Mendhasal end**:- Main 1:B-E Loop , IB= 3.81KA, Dist- 43.5KM, Zone-1, Main 2: B-E, I B=3.8 KA, 45.8 KM			Patrolling of the line was done & no fault was found.	New
89	Paradeep	12.06.23	14:39	14:58	00:19	220kV Paradeep - New Duburi ckt-I	MAIN-II :C-N,D-33.9KM,Z1, ,MAIN-I :C-N,D-33.9KM,Z1 ,	NIL	NIL	AUTO RECLOSURE OPTED.	
90	Thuapali	12.06.23	14:42	15:20	00:38	132kV Thuapali - Katapali feeder	Zone-1, Distance-12.7KM, R Phase E/F Trip	NIL	NIL		
91	Lapanga	12.06.23	14:56	15:56	01:00	220/132kV AUTO-II	Diff relay pickup,REF pickup R-phase			Charged after physical checking at field and clearance from EM&R	
92	Therubali	12.06.23	15:14	15:23	00:09	220kV Therubali - Narendrapur ckt-II	**At Therubali end:**- L3-L1, Z-1, -1KM, IL1=407.95A, IL2=439.45A, IL3=893.46A **At Narendrapur end**:- C-G, Z-1, 97.21KM, Ia=144A, Ib=95A, Ic=820A				
93	Bhanjanagar	12.06.23	15:34	15:35	00:01	220kV Bhanjanagar - Nayagarh feeder	Tripped on O/C				
94	Chhatrapur	12.06.23	15:45	16:33	00:48	132kV Chhatrapur - Balugaon feeder	Tripped on BCG, Z-1,Dist-12.37KM,IA=169.7A,IB=4.462KA, IC=4.297KA				
95	Balasore	12.06.23	17:51	19:19	01:28	132kV Balasore - Udala feeder	**At Balasore end:-** DP relay:Trip-Y ph, Zone-2, B-G-T, Dist-49.8km, Fault current:- Ia-16A, Ib-1548A, Ic-16A **At Udala end:-** Gen Trip, Dist Trip, Y-Ph P/U, Zone-1, Fault current Ir=0.08kA, Iy=1.23kA, Ib=0.21kA, Dist-2.7km [heavy lightening and rain.]			Delay in charge due to heavy lightening and rain.	
96	Soro	12.06.23	18:27	20:50	02:23	132kV Soro - Chandipur feeder	**At Soro end**:- Master Trip Relay, Back Up Relay Details: E/F & VT Fuse Fail. **At Chandipur end:-** Breaker did not trip. Breaker was H/T at Chandipur Grid End at 19:51Hr. [Y-Phase CT Conductor of 132 KV Chandipur-Balasore Line was snapped at Chandipur Grid]	NIL	NIL	At that time Soro Grid was availing P/S From Bhadrak Grid through 132 KV Soro-Bhadrak Line.After Verification its found that Y-Phase CT Conductor of 132 KV Chandipur- Balasore Line was snapped at Chandipur Grid end.At 19:51 Hr 132 KV Soro-Chandipur Line was H/T at Chandipur Grid end. At 23:57 Hr 132 KV Chandipur - Balasore Line was charged from both Chandipur and Balasore Grid End & stood ok.	
97	Bhadrak	12.06.23	18:37	18:37	00:00	132kV Bhadrak - New Duburi feeder	Tripped (A/R successful) At New Duburi-B-PH TRIP ZONE-1 IB-2.745KA DIST-16.41KM			A/R successful	

98	Choudwar	12.06.23	18:41	13.06.23 09:20:00	14:39	132kV Aarti – TS Alloys feeder	Tripped during rain, thunderstorm. .			Charged at 19:45 in consultation with SLDC but did not stand	
99	Paradeep	12.06.23	19:07	19:47	00:40	220kV Paradeep - New Duburi ckt-II	MAIN-I :C-G,D-62.8KM,Z1,Ia-233.6A,Ib-468.53A,Ic-1.59KA ,MAIN-II :C-G,D-62.2KM,Z1 ,Ia-233.61A,Ib-468.53A,Ic-1.59KA	NIL	NIL		
100	Bhadrak	12.06.23	19:17	22:28	03:11	132kV Bhadrak - New Duburi feeder	Tripped on O/C Y & B phase,IL1=0.00KA,IL2=0.27KA,IL3=0.27KA				
101	Choudwar	12.06.23	19:19	19:37	00:18	132kV Choudwar – TS Alloys feeder	Tripped during heavy rain & lightening				
102	Kendrapara	12.06.23	19:54	20:40	00:46	132kV Kendrapara - RAMCO ckt-II	**At Kendrapara end**:- No indication **At RAMCO end**:- TRIPPED ON E/F WITH M/R, Ir=48 A,Iy=1.42 KA,Ib=6.4 A			LINE WAS IDLE CHARGED FROM RAMCO END.	
103	Therubali	13.06.23	00:41	00:45	00:04	220kV Therubali - Indravati ckt-III	**At Therubali end:**- C-G, Z-1, 28.74KM, Ia=232A, Ib=258A, Ic=3925A, Ig=4024A **At Indravati end**:- C-G, Z-1, 77.85KM, Ia=225.2A, Ib=253A, Ic=2.078KA				
104	Jayapatna	13.06.23	12:16	12:28	00:12	220kV Jayapatna - Kasipur feeder	O/C (B-Ph) & E/F , Zone-1 Indication,Fault Location-15.6km				
105	New Duburi	13.06.23	16:34	16:34	00:00	400kV New Duburi - Baripada feeder	**FACIA:**MAIN-1& MAIN-2 DP OPERATED,BARIPADA LINE AR OPERATED **MAIN-I** -B-PH PICK UP E/F PICK UP ZONE -1 TRIP DISTANCE-159.4KM IL3-1.66KA **MAIN-II-** B-E PICK UP, ZONE -1 TRIP DISTANCE-31.01KM, FAULT LOOP L3-E CARRIER SEND/RECEIVED **BACK UP -**B-PH PICK UP, E/F PICK UP			AR OPERATED SUCCESSFULLY AT BOTH END	
106	Dabugaon	13.06.23	17:21	17:29	00:08	132kV Dabugaon - Umerkote feeder	DP Operated at both Dabugaon end & Umerkote end at 7.1 KM in Zone-1			DP Operated at both Dabugaon end & Umerkote end.	
107	Balasore	13.06.23	17:57	18:46	00:49	132kV Balasore - Chandipur feeder	**At Balasore end:-** Y ph tripped, Dist-12.639km, Zone-I, Fault currentIr-151.8A, Iy-4.397kA, Ib-89.4A **At Chandipur end**:- Yph-tripped, Zone-I, Dist-18.82km, Fault current Iy-988A [heavy lightening and rain]			Due to heavy lightening and rain.	
108	Salipur	13.06.23	21:07	23:03	01:56	132kV Salipur - ICCL feeder	I.DP Relay(Micom Alstom P442) **,** Started Phase B N, Tripped Phase A B C, Started Elements Distance, Dist. Trip Zone 1, Fault Location 8.702km, Ia=320.2A Ib=1.168kA Ic=119.2A, Van=72.68kV, Vbn=9.811kV, Vcn=76.05kV			No fault found after line patrolling	
109	Bhanjanagar	13.06.23	23:05	23:27	00:22	220kV Bhanjanagar - Meramundali feeder	E/F				
110	Dhenkikote	14.06.23	02:52	02:59	00:07	132kV Dhenkikote - Karanjia feeder	Broken conducter, DP, Ia-56.69A Ib-73.50A,Ic-40.28A			Broken conducter	
111	Paralakhemundi	14.06.23	06:15	06:54	00:39	132kV Paralakhemundi - Akhusingh feeder	Tripped				
112	Laxmipur	14.06.23	13:07	18:13	05:06	220kV Laxmipur - Aditya ckt-I	B-N,Z=1.IB=2.55KA,			Line patrolling was done by Aditya. Tree branches were trimmed during.Line charged after clearance.	
113	Paralakhemundi	14.06.23	19:31	19:40	00:09	132kV Paralakhemundi - Akhusingh feeder	E/F, Ia=565A, Ib=584A, Ic=124A, Dist=40.98km				
114	Tentulikhunti	14.06.23	21:33	21:38	00:05	132kV Tentulikhunti - Nabarangpur feeder	O/C & E/F				
115	Budhipadar	15.06.23	09:06	09:21	00:15	132kV Budhipadar - MCL ckt-II	**At Budhipadar end:**- D/P relay operated,zone-2,fault loop=B ph-E,Fault dist.=17.87KM,IL3=5.02KA			Line was Idle charged from budhipadar end. Weather:-Clear.	
116	Budhipadar	15.06.23	10:46	20:13	09:27	132kV Budhipadar - Kalunga feeder	**At Budhipadar end:-** D/P relay operated, zone-1, fault loop=Y ph-E, Fault dist.=22.93KM, IL2=1.493KA **At Kalunga end:**- D/P relay operated, zone-1, fault loop=Y ph-E, Fault dist.=65.29KM, IL2=938.2A			Due to severe thunder and lightning Charged from Budhipadar end but tripped again	
117	Kamakhyanagar	15.06.23	13:13	13:21	00:08	132kV Kamakhyanagar - OPCL feeder	B-ph trip				
118	Bargarh	15.06.23	15:09	15:36	00:27	132kV Bargarh - Bargarh New feeder	**At Bargarh end**:- Fault -BN, Zone-I, Ia-98.7A, Ib-2.15KA, Ic-207.9A ,Distance-2.2KM **At Bargarh New end:**- Fault-B-G, Distance-21.7 Km, Ib-0.41 KM			Earth Fault in B phase, Lightening & Rain at Bargarh end	
119	Balasore	15.06.23	18:27	18:27	00:00	220kV Balasore - PGCIL ckt-I	**At Balasore end:-** Main-I:- A/R OPTD, Z-I, Rph-N, Dist-58.11km, Fault current Ir-1.292kA, Iy-376.0A, Ib-391.6A, Main-II:- A/R OPTD, Z-I, Rph-N, Dist-57.73km, Fault current Ir-1.293kA, Iy-374.4A, Ib-391.4A **At PGCIL end:-** Main-I: Zone-I, R ph-N, Fault current Ir-9.644kA, Dist-7.294km, Main-II: Zone-I, Rph -N, Fault current Ir-9.318kA, Dist-6.95km			A/R was sucessfully operated. During tripping there was heavy rain and lightening.	

120	Gunupur	16.06.23	08:24	12:17	03:53	220kV Gunupur - Narendrapur feeder	Tripped on (R-PH & Y-PH) **At Narendrapur end:-** Tripped on distance fault. Facia- Main-I & A/R Operated . Main-I(MicomP444) ,A-B-C Trip, Zone-I ,Dist-94.77KM , Ia-1.329KAmp ,Ib-1.523KAmp ,Ic-262.8Amp, Fault Resistance-5.221Ohm. Main-II(SEL311C) , A-B Trip ,Zone-I,Dist-93.56KM ,Ia-1.340KAmp ,Ib-1.538KAmp ,Ic-260Amp.At GUNUPUR End A-B-C Trip ,Dist-55.63KM ,Ia-1.886KAmp ,Ib-1.670KAmp ,Ic-251.2Amp .Main-II(MultlinD60) ,Ia-1.813KAmp ,Ib-1.595KAmp ,Ic-248Amp ,Dist-57KM.Then L/C requsition by SDO TLS Narendrapur.				
121	Aska New	16.06.23	10:32	10:47	00:15	132kV Aska New - Chhatrapur feeder	O/C on B-Ph,IB=400.7A				
122	Aska	16.06.23	10:43	10:51	00:08	132kV Aska - Purusottampur feeder	SOTF,MASTER TRIP 86 RELAY				
123	Puri	16.06.23	10:48	11:22	00:34	132kV Puri - Atri feeder	Supply failed from Atri end				
124	Jayapatna	16.06.23	10:49	11:06	00:17	160MVA,AUTO TRF-2	Tripped on Overfluxing(Voltage=242KV).				
125	Bargarh New	16.06.23	12:25	13:39	01:14	220kV Bargarh New - Sadeipali feeder	Tripped on Main-II DP DETAILS:- G-1, C-N,Z-2,Loc:-55.13KM & Ic-1.724KA			Tree has fallen on conductor between loc.339 &340. Line charged after cutting the tree.	
126	New Duburi	16.06.23	13:20	13:20	00:00	220kV New Duburi - Paradeep ckt-II	**FACIA:** MAIN-I & MAIN-2 DP OPERATED, AR SUCCESSFUL **MAIN-I** :GEN. TRIP, R-PH PICK UP, E/F PICK UP, ZONE 1B TRIP, 1 POLE TRIP, PICKUP TIME- 30ms, TRIP TIME- 1ms, DIST.-80.1KM,IL1-1.82KA **MAIN-II:**GEN. TRIP, R-PH PICK UP, E/F PICK UP, ZONE 1B TRIP, 1 POLE TRIP, PICKUP TIME-30ms, TRIP TIME- 1ms, DIST.-85.0KM,IL1-1.74KA **BACK UP :**R-PH PICK UP, E/F PICK UP			A/R SUCCESSFULLY OPERATED AT BOTH ENDS.	
127	Jayanagar	16.06.23	13:27	14:07	00:40	132kV Jayanagar - Machkund feeder	With Over current relay operation				
128	Jayanagar	16.06.23	19:37	20:13	00:36	132kV Jayanagar - Machkund feeder	With Over current relay operation				
129	Baripada	17.06.23	14:16	14:41	00:25	132kV Baripada - Baripada PG feeder	**At Baripada end:**- No relay operated **At PGCIL end:-** Backup relay operated:- Directional O/C trip(R ,Y & B -phase). IL1=IL2=IL3=0.39kA			During this interruption period BARIPADA GSS avails the power supply from BETNOTI grid end. At 14:41 132KV BARIPADA-PGCIL line was charged from PGCIL grid end & it shynchronised with BETNOTI GSS . Weather Condition- Clear & sunny.	
130	Baripada	17.06.23	15:13	15:26	00:13	132kV Baripada - Baripada PG feeder	**At Baripada end:-** No relay operated **At PGCIL end**:- Backup relay operated:- Directional O/C trip(R ,Y & B -phase). IL1=IL2=IL3=0.39kA			During this interruption period BARIPADA GSS avails the power supply from BETNOTI grid end. At 15:26 132KV BARIPADA-PGCIL line was charged from PGCIL grid end . Weather Condition- Clear & sunny.	
131	Agarpada	17.06.23	16:54	17:31	00:37	132kV Agarpada - Anandpur feeder	zone- Z1,Gr A/B optd. DP relay optd.Distance- 3.5 km, b-phase pick up,			Heavy rain and lighting.	
132	Goda	17.06.23	18:16	19:08	00:52	220kV Meramundali B - Goda feeder	B-N, 5.82kA				
133	Podagada	18.06.23	07:40	07:46	00:06	132kV Podagada - Jayanagar feeder	GENERAL TRIP,A/R UNSUCCESSFUL, Multi phase fault , Dist-26.1 KM, IL1= 0.08KA, IL2= 0.21KA, IL3=0.19 KA, L3-E FAULT			Charged after getting confirmation from Jayanagar GSS.	
134	Joda	18.06.23	17:26	18:00	00:34	132kV Joda - Kenduposi feeder	Tripped at both end with following relay indication **At Joda end:-** B/U relay: E/F tripped, Fault Current: Ia=1.39KA, Ib=0.02KA, Ic=0.44KA **At Kenduposi end:-** DP relay, Dist=12.5KM, Zone-I, Fault Current: IL1=0.44KA, IL2=0.25KA, IL3=0.44KA	Kenduposi			

135	Telkoi	18.06.23	20:01	20:28	00:27	220kV Telkoi - Joda feeder	Tripped on distance protection from both Telkoi and Joda end with following indication observed in DP relay at both end. DP relay indication at Telkoi end:- Main-I DP:-(1) Started phase A C N (2) Tripped phase A B C (3) Distance Trip Zone-1 (4) Fault distance 18.29KM (5) IA=2.254KA, IB=53.37A, IC=2.324KA (6) VAN=21.92KV, VBN=166KV, VCN=15.54KV Main-II DP:- (1) Fault type A C G (2) Fault location 19.1KM (3) Distance Zone-1 (4) IA=2048.337A, IB=48.820A ,IC=1944.402A,IN= 910.886A DP Relay indication at Joda end:- (1) Trip Zone-1 (2) Fault distance 83.92KM (3) IA=1.417KA, IB=80.50A, IC=1.402KA	Telkoi	00:31	Telkoi availed alternate supply from TTPSend @20:48hrs.	
			20:44	22:23	01:39		Tripped at both end with following relay indication **At Joda end:-** DP Relay(Main-I): Zone-1, Dist=59.65KM, Fault Current: Ia=2.435kA, Ib=19.08A, Ic=2.546KA, DP Relay(Main-II): Zone-1, CA, FD=78.15KM, Fault Current: A=2.14KA, B=14A, C=1.71KA, N=965A **At Telkoi end:-** Relay Details not found at Telkoi end.				
			20:01	20:48	00:47	220kV Telkoi - TTPS feeder	Tripped on distance protection from TTPS end while CB of said feeder was in closed condition at Telkoi end. DP relay indication at TTPS end:- (1)Zone-I (2) IA=2.303KA, IB=85.49A, IC=2.392KA (3) Fault location-97.24KM. Pick up data of Main-I DP relay at Telkoi end:-(1) Started phase A C N (2) Overcurrent Start I >3 (4) Tripped Elts No (5)IA=2.126KA, IB=106.8A, IC=2.230KA (6) Fault in zone None				
			20:03	20:47	00:44	220kV Joda - TTPS Ckt-II	Tripped at both end with following relay indication **At Joda end:-** DP Relay(Main-I): Zone-1, Dist.=84.71km, Fault Current: Ia=1.420KA, Ib=115.1A, Ic=1.457KA, DP Relay(Main-II):Zone-1, CAT, FD=102.22KM, Fault Current: A=1.343A, B=103A, C=1.403KA, N=833A, G=833A **At TTPS end:-** DP relay, Zone-I, Fault Dist=66.7KM, Fault current: Ia=3.297KA, Ib=73.36A, Ic=3.512KA				
136	Joda	18.06.23	21:26	22:13	00:47	132kV Joda - Kenduposi feeder	Tripped only at Joda end with following relay indication **At Joda end:-** DP relay: ABC tripped, Dist=7.546km, Fault Current: Ia=107.8A, Ib=155.2A, Ic=5.278KA				
137	Katapali	18.06.23	21:34	22:01	00:27	220kV Katapali - Bolangir PG feeder	R-E, Z-1, If=5.7kA				
138	Meramundali	18.06.23	22:39	23:02	00:23	400kV Meramundali - Mendhasal ckt-I	**At Meramundali end:**-M1:- R-E, IR= 5.11 KA, DIST= 47.7 KM,M2:- R-E, IR= 5.4 KA, DIST= 48.69 KM **At Mendhasal end**:- No tripping			ERLDC CODE- 1248	

139	Choudwar	18.06.23	23:09	19.06.23 17:16:00	18:07	132kV Aarti – TS Alloys feeder	Tripped during rain, wind and lightening.			Charged at 23:46 with consultation with SLDC but did not stand. Rejumpering of R-ph towards loc28 at loc24 of Aarati LILO and punctured insulator replacement.	
140	Podagada	18.06.23	23:34	19.06.23 00:02:00	28:00	132kV Podagada - Rayagada feeder	Tripped on GR-A/B,A/R UNSUCCESSFUL, Trip Relay Optd,Distance Protection relay Optd , R-Ph fault , Zone- 2/3 Multi phase fault , zone=2,PUT=430 ms,Trip time 350 ms, Dist= 65.9 KM, IL1= 0.80KA, IL2= 0.03KA, IL3=0.03 KA		done	Heavy Rain with Thunder. Charged after getting confirmation from Rayagada GSS.	
141	Ranasinghpur	19.06.23	00:11	00:11	00:00	132kV Ranasinghpur - Chandaka feeder	**At Ranasinghpur end**:- AR successful. DP Relay operated at Z1, Distance-15.98 Km, IR-0A, IY-10.80A, IB-0A **At Chandaka end:**- AR successful, Z-1, D-3.927 Km, IR = 388.9A, IY = 10.80KA, IB = 312.9A				
142	Narendrapur	19.06.23	01:48	01:48	00:00	220kV Narendrapur - Atri Ckt-II	Tripped on distance fault. Facia-Main-I Operated, A/R Operated ,A/R Successful.Main-I(MicomP442) , C to N , Zone-I ,Dist-75.40KM ,Ia-37.19Amp ,Ib-72.02Amp ,Ic-1.655KAmp ,Fault resistance-6.805 Ohm .Main-II(MicomP444) ,C to N , Zone-I ,Dist-75.56KM ,Ia-38.38Amp ,Ib-71.89Amp ,Ic-1.652KAmp ,Fault Resistance-6.907 Ohm.At Atri GSS,End B to N ,Dist- 57.0KM ,Zone-I ,Ia-29.23Amp ,Ib-73.37Amp ,Ic-2.333KAmp .				New
143	Laxmipur	19.06.23	01:53	02:27	00:34	220kV Laxmipur - Nalco ckt-I	B-N,IB=3.25KA,Distance=30.2Kms				
144	Narendrapur	19.06.23	02:53	02:53	00:00	220kV Narendrapur - Atri Ckt-I	Tripped on distance fault. Facia-Main-I & II Operated, A/R Operated ,A/R Successful.Main-I(SEL311C) , A to N , Zone-I ,Dist-58.09KM ,Ia-1925Amp ,Ib-40Amp ,Ic-131Amp .Main-II(MicomP444) ,A to N , Zone-I ,Dist-58.03KM ,Ia-1.861KAmp ,Ib-43.45Amp ,Ic-131.0Amp ,Fault Resistance-5.264 Ohm.At Atri GSS,End A to N ,Dist- 74.67M ,Zone-I ,Ia-1.93KAmp ,Ib-20.98Amp ,Ic-140.5Amp .				New
145	Chhatrapur	19.06.23	04:47	05:00	00:13	132kV Chhatrapur - Balugaon feeder	Tripped on B-N, Z-1,Dist-11.74KM,IA=13.9A,IB=1.908KA, IC=16.13A				
146	Rourkela	19.06.23	08:05	19:27	11:22	132kV Rourkela - BK Steel feeder	DP, Z-1, 3.23kA			No load at BK steel	
147	Aska New	19.06.23	10:51	11:04	00:13	132kV Aska New - Digapahandi ckt-II	**At Digapahandi end:-** DP relay optd. Zone -1, Dist.-26.31km, Fault current- Ia=1.387kA, Ib-57A, Ic- 122A				
148	Chhend	19.06.23	17:15	17:46	00:31	132kV Chhend - Kuarmunda LILO feeder	In DP-Zone-1,Loc-9.96 km,IL1-208.5A,IL2-286.4A,IL3-4.77KA				
149	Budhipadar	19.06.23	17:32	18:15	00:43	132kV Budhipadar - Kalunga feeder	**At Budhipadar end:-** D/P relay operated,zone-1,fault loop=B ph-E,Fault dist.=80.66KM,IL3=1.22KA **At Kalunga end:**- D/P relay operated,zone-1,fault loop=B ph-E,Fault dist.=1.963KM,IL3=6.88A			Weather:-Lightning & Rainy.	
150	Nuapada	19.06.23	17:43	17:50	00:07	132kV Nuapada - Khariar feeder	DP Operated, Started phaseB C, zone 1, 54.85km				
151	Dhenkanal	19.06.23	16:52	17:03	00:11	132kV Dhenkanal - Khajuriakata - Nuapatna feeder	**At Dhenkanal end**:- DP relay operated, Z-1, Dist.=17.18km, fault loop=B-N, Ib=1.7KA **At Khajuriakata end:**- DP relay operated, Z-1, Dist.=13.9km, fault loop=B-N, Ib=1.8KA			The line test charged & it stood OK.	
152	Kesinga	20.06.23	11:45	11:54	00:09	132kV Kesinga - Lanjigarh feeder	O/C				
153	Tarkera	20.06.23	19:29	21:27	01:58	220kV Tarkera - RSP ckt-I	At 19.29 hr : B/U RELAY OPERATED : IA=6.393 KA, IB=1.253 KA,IC=1.413 KA,IN=3.757 KA, MT and At 20:13Hrs : start phase-AN,Tripped phase-A,o/c,start I>1,Tripped I>1,Earth fault>1,start IN1>1,IA-6.519A,IB-0,IC-0,IN measured-6.524kA IN derived -6.521KA,Master Trip			TRIPPED IMMEDIATELY AFTER CHARGED AT 20:13 HRS (20.06.2023) After charging of 220KV Tarkera-RSP Ckt.-I at 21.27 hr, did not show voltage at tarkera end and on field varification it was found that R-PH BREAKER ISOLATOR DROP JUMPER SNAPPED AT TKR END.	
			21:34	21.06.23	19:08		Tripped				
			19:29	21:34	02:05	220kV Tarkera - RSP ckt-II	Relay hanged				
			19:29	20:32	01:03	220kV Tarkera - PGCIL ckt-I & II	At Tarkera end: DID NOT TRIP, At PGCIL end: LOOP:- R- N,IR=3.7 KA,DIST=33 KM				
			19:29	19:49	00:20	100 MVA Auto-I	B/U OPERATED : IA=564.5A,IB=36.09 A,IC=108.5 A,IN-652.6 A,START PHASE:-A-N,TRIP PHASE N MT OPERATED.				
			20:13	20:19	00:06	100 MVA Auto-I	B/U OPERATED : IA=57.2A,IB=206.3 A,IC=1233.9 A,IN-1.007KA,START PHASE:-A-N,TRIP PHASE N MT OPERATED.				
			20:13	20:14	00:01	220kV Bus-Coupler	B/U OPERATED : IA=3.56 KA,IB=184.9 A,IC=191.1 A,IN-3.187KA,START PHASE:-A-N,TRIP PHASE N MT OPERATED.				

154	Khajuriakata	20.06.23	21:32	21.06.23 11:10:00	13:38	132kV Khajuriakata - Meramundali feeder	**At Khajuriakata end**:- Rph, E/F			Rph Jumper snapped at loc-39	
155	Budhipadar	20.06.23	22:19	21.06.23 00:04:00	01:45	220kV Budhipadar - Korba ckt-I	**At Budhipadar end:-** AR succesful, D/P relay operated,zone-1,fault loop=R ph-E, Fault dist.=1.5KM, IL1=22.09KA **At Korba end:**- D/P relay operated,zone-2, fault loop=R ph-E, Fault dist.=165.2KM ,IL1=1071A			Weather:-Lightning & Rainy.	
156	Tarkera	21.06.23	02:51	23.06.23 09:42	54:51	220kV Tarkera - PGCIL ckt-II	At Tarkera end: DP1:- LOOP:- L1_N, ZONE-1, DIST:- 0.1 KM, IL1=13.22 KA, DP2 : ZONE-1, IA= 13.32 KA ,LOOP : C-N, MT, EVENT AFTER A/R DP1:- LOOP:- L1_N, ZONE-1, DIST:- 0.6 KM, IL1=1.58 KA,IL2-12.7 KA,IL3-0.63KA DP2 : ZONE-1, IA= 178.1A,IB-12.61KA,,LOOP : C-N, SOTF/TOR TRIP, MT, AT PGCIL end: DP: ZONE-2,LOOP:R-N,DIST:15.86 KM,IR=4.798KA			TEST CHARGED AT 03:14 HRS FROM TKR END BUT IMMEDIATELY TRIPPED DUE TO JUMPER SNAPPED AT LOC.2	
157	Kesinga	21.06.23	11:54	12:07	00:13	220kV Kesinga - Bolangir(New) feeder	D/P				
158	Laxmipur	21.06.23	12:07	17:13	05:06	220kV Laxmipur - Aditya ckt-II	Y&B-Ph,Z=1,IY=7.673KA,IB=7.190KA			Line patrolling was done by Aditya. Tree branches were trimmed during.Line charged after clearance.	
159	Narendrapur	21.06.23	13:51	13:56	00:05	220kV Narendrapur - Tata Ckt-II	Tripped on Y-Phase O/C Ia-44.10Amp ,Ib-80.82Amp ,Ic-65.67Amp.				New
160	Duburi	21.06.23	15:05	16:28	01:23	132kV Duburi - Kalarangi feeder	**Duburi End**-DP-Zone-1,A-N,Dist-29.54km,Ia-2.005KA,Ib-431.437A,Ic-139.1A **Kalarangi en**d- DP-Zone-1,A-N,Dist-2.017km,Ia-4.006KA,Ib-434.7A,Ic-140A,Van-9.06kv,Vbn-84.55kv,Vcn-84.99kv			NO PHYSICAL FAULT FOUND	
161	Balasore	21.06.23	15:26	15:26	00:00	220kV Balasore - Bhadrak feeder	**At Balasore end:-** Main-I:- A/R OPTD, Z-I, Bph-N, Dist-12.39km, Fault current Ir-299.3A, Iy-146.8A, Ib-4.944kA, Main-II:- A/R OPTD, Z-I, Bph-N, Dist-12.38km, Fault current Ir-299.07A, Iy-147.90A, Ib-4884.16A **At Bharak end:-** Main-I: A/R OPTD, Zone-I, B ph-N, Fault current Ib-1.762kA, Dist-60.22km, Main-II: A/R OPTD, Zone-I, Bph -N, Fault current Ib-1.766kA, Dist-59.63km			A/R was sucessfully operated. During tripping there was heavy rain and lightening.	
162	Kamakhyanagar	21.06.23	15:57	16:26	00:29	132kV Kamakhyanagar - Goda feeder	3-ph trip				
163	New Duburi	21.06.23	15:58	15:58	00:00	400kV New Duburi - Meramundali ckt-II	**FACIA** MAIN-1 PROT. OPTD, MAIN-2 PROT. OPTD **MAIN-I** GENERAL TRIP, R-PH TRIP, ZONE 1 TRIP, A/R OPTD, 1 POLE TRIP, DIST PICK-UP L1E, Dist.-27.2KM, IL1-8.08KA, PICK-UP TIME-48ms, TRIP TIME-1ms **MAIN-II** GENERAL TRIP, R-PH TRIP, ZONE 1 TRIP, A/R OPTD, 1 POLE TRIP, DIST PICK-UP L1E, Dist.-25.8KM, IL1-8.09KA, PICK-UP TIME-52ms, TRIP TIME-1m **BACK UP** NA			A/R SUCCESSFUL AT BOTH ENDS	
164	Balasore	21.06.23	18:10	20:35	02:25	160MVA AUTO-II	**220KV side**:- OLTC PRV trip, GR A/B Trip **132KV Side:-** GR A/B Trip relay operated.				
165	New Duburi	22.06.23	11:54	15:53	03:59	400kV New Duburi - Pandiabil feeder	**FACIA-** MAIN-1 PROT. OPTD, MAIN-2 PROT. OPTD **MAIN-I** -GENERAL TRIP, R-PH PICK-UP, Y-PH PICK-UP, B-PH PICK-UP, ZONE 1 TRIP, ZONE 1B TRIP, DIST PICK-UP L23E, Dist.-73.9KM, IL1-0.09KA, IL2-5.05KA, IL3-4.99KA **MAIN-II**-Y-PH PICK-UP, B-PH PICK-UP, ZONE 1, A/R OPTD,FAULT LOOP L23, Dist.-76.27KM, IL1-108.19A, IL2-5053.4A, IL3-5105.08A, IN-2212.87A **BACK UP -**NA			NO PHYSICAL FAULT FOUND AT THE FAULT LOCATION	
166	Chandbali GIS	22.06.23	12:33	12:35	00:02	132kV Olaver - Chandbali ckt-I & II	Source Fail	Olaver & Chandbali,Rajnagar	00:04		
			12:33	12:37	00:04	132kV Olaver - Pattamundai ckt-I & II					
			12:33	12:36	00:03	132kV Rajnagar - Pattamundai ckt-I					
			12:33	12:36	00:03	132kV Rajnagar - Pattamundai ckt-II					
167	Anandpur	22.06.23	14:51	15:46	00:55	132kV Anandapur - Jajpur Road ckt-I	**At Anandpur end**:- Zone-1, Dist-4.2km, Ia-0.22kA, Ib-0.2kA, Ic-1.97kA, Va-83.61kV, Vb-86.19kV, Vc-10.49kV **At Jajpur Road end:**- Zone-1, Dist- 22.56km, Ia=171.7A, Ib=205.2A, Ic=2.604kA, VAN=105.0kV, VBN=28.94kV, VCN=89.96kV			The circuit was charged after confirmation from line incharge and SDO	

168	Joda	22.06.23	15:07	17:33	02:26	220kV Joda - TTPS Ckt-II	Tripped at both end but A/R success with following relay indication At Joda end:- DP Relay(Main-I): Zone-1, A/R Success, Dist=101.4KM, Fault Current: Ia=81.15A, Ib=57.14A, Ic=718.6A, VAN=133.2KV, VBN=134.5KV, VCN=69.58KV, DP Relay(Main-II):- A/R SUCCESS, Zone-1, CGT, FD=113.11KM, Fault Current: A=81A, B=50A, C=755A, N=764A, G=764A At TTPS end:- DP relay, Zone-I, Fault Dist=31.97KM, Fault current: Ia=83.94A, Ib=48.03A, Ic=4.824KA Again at 15:32, 220KV Joda-TTPS Ckt-II fdr.tripped but A/R success at Joda end(Bkr.tripped condition at TTPS end.)with following relay indication At Joda end:- DP Relay(Main-I): Zone-1, A/R Success, Dist.=103.4KM, Fault Current: Ia=61.30A, Ib=62.81A, Ic=814.5A, VAN=134.2KV, VBN=136.8KV, VCN=60.84KV, DP Relay(Main-II):A/R SUCCESS, Zone-1, CGT,FD=96.85KM, Fault Current: A=61A, B=60A, C=842A, N=903A, G=904A				
169	New Duburi	22.06.23	16:10	16:10	00:00	400kV New Duburi - Meramundali ckt-I	**FACIA** MAIN-1 PROT. OPTD, MAIN-2 PROT. OPTD, A/R OPTD **MAIN-I** GENERAL TRIP, R-Ph TRIP, ZONE-1B TRIP, A/R OPTD, DIST. PICK-UP L1E, PICK-UP TIME-72ms, TRIP TIME-25ms, DIST.-87.4KM, IL1-2.84KA **MAIN-II** GENERAL TRIP, R-Ph TRIP, ZONE-1B TRIP, A/R OPTD, DIST. PICK-UP L1E, DIST.-87.1KM, IL1-2.86KA **BACK UP** NA			A/R SUCCESSFUL AT BOTH ENDS	
170	Maneswar	22.06.23	18:14	18:53	00:39	132kV Maneswar - Rairakhol feeder	TRIPPED DUE TO BAD WEATHER				
171	Nuapada	22.06.23	22:30	22:46	00:16	132kV Nuapada - Padampur feeder	DP Operated, Started phaseBN, zone 1, 26.46km	Nuapada,Nuapada RTSS	00:16		0.003
			22:31	22:45	00:14	132kV Padampur - Nuapada feeder	Tripped on distance protection, Phase-BN, Distance-27.42KM, Zone-1, Fault current=1.413KA				
172	Tarkera	23.06.23	09:44	24.06.23 16:25:00	30:41	220kV Tarkera - Bonai feeder	MT			SPS	
			09:44	24.06.23 16:25:00	30:41	220kV Tarkera - Rengali feeder					
173	New Duburi	23.06.23	17:55	24.06.23 17:48:00	23:53	220kV New Duburi - Balimunda feeder	**FACIA;**MAIN-1 DP OPTD, MAIN-2 DP OPTD, GR. A/B TRIP RELAY OPTD **MAIN-I** -GENERAL TRIP, R-PH PICK-UP, E/F PICK-UP, ZONE 1 TRIP, ZONE 1 TRIP, DIST PICK-UP L1E, Dist.-39.7KM, IL1-3.98KA, IL2-0.09KA, IL3-0.13KA **MAIN-II**-ANY TRIP, R-PH START, ZONE 1 TRIP, STARTED PHASE A-N, TRIP PHASE-ABC, Dist.-41.21KM, IL1-3.868KA, IL2-82.35A, IL3-124.6A **BACK UP** -R-Ph PU, E/F PU			R-PHASE INSULATOR STRING REPLACED AT LOC.-137 OF 220KV NEW DUBURI-BALIMUNDA FEEDER	
174	Khajuriakata	23.06.23	18:55	19:05	00:10	132kV Khajuriakata - Dhenkanal - Nuapatna T feeder	**At Khajuriakata end:**- Z-1,Rph,E/F,Ir-1.73KA,Dist-29.7KM **At Dhenkanal end:**-Z-1,Rph,E/F,Ir-2.98KA,Dist-4.53KM **At Nuapatna end:**- H/T condition				
175	Kamakhyanagar	24.06.23	01:00	01:31	00:31	132kV Kamakhyanagar - OPCL feeder	R-ph trip				
176	Budhipadar	24.06.23	01:05	01:13	00:08	132kV Budhipadar - Kalunga feeder	**At Budhipadar end:**- D/P relay operated, zone-1, fault loop=R ph-E,FD=66.71KM,Ia=1.662KA. MT operated **At Kalunga end:**- D/P relay operated, zone-1, fault loop=R ph-E,FD=20.17KM,Ia=470.0A				
177	Rajgangpur	24.06.23	01:31	02:31	01:00	132kV Rajgangpur - Kutra feeder	Master Trip, AGT, IA=4014A, IB=10A, IC=13A, IG=4033A, Zone-1, Dist-10.98km			BAD WEATHER	
178	Rajgangpur	24.06.23	02:00	02:23	00:23	132kV Rajgangpur - Bamra feeder	Master Trip, AGT, IA=2621A, IB=205A, IC=87A, IG=2567A, Zone-1, Dist-17.97km			BAD WEATHER	
179	Duburi	24.06.23	13:15	13:30	00:15	220kV Duburi - Meramundali B feeder	DP TRIPPED				
			13:39	13:57	00:18	132kV Duburi - Kalarangi feeder	O/C &E/F TRIPPED				
180	Gondia	24.06.23	14:00	17:05	03:05	132kV TTPS - Gondia feeder	Tripped				
181	Lapanga	24.06.23	16:55	18:50	01:55	132kV Lapanga - Hirakud - Burla PH T feeder	Y-B-PH-G, DIST-22.7KM, Z1, IL1-0.18KA, IL2-4.0KA, IL3-3.60KA			Tripped on Distance Relay (Zone - I)	
			16:55	18:57	02:02	132kV Lapanga - Budhipadar ckt-II	**At Lapanga end:-** Y-B-PH-G, DIST-23.1KM, Z1, IL1-0.18KA, IL2-4.0KA, IL3-3.60KA				
182	Maneswar	24.06.23	17:18	17:58	00:40	132kV Maneswar - Sambalpur feeder	TRIPPED DUE TO BAD WEATHER			AR SUCCESSFUL AT MERAMUNDALI END No fault found during patrolling	
			17:18	18:10	00:52	132kV Katapali - Sambalpur feeder	Y-E, Z-1, 2.3kA, 12km				
			17:23	18:28	01:05	400kV Lapanga - Meramundali ckt-II	**At Lapanga end:**- B-PH-G, DIST-34.59KM, Z1, IL1-0.6KA, IL2-0.4KA, IL3-9.01KA **At Meramundali end:**- B-PH-G, DIST-148.1KM, Z1, IL3-2.18KA				

183	Brajrajnagar	25.06.23	04:25	06:04	01:39	132kV Brajrajnagar - Jorabaga MCL Ckt-II	D/P operated: FL=Bph-E, Zone 1, FD=10.4km, IL3=3.63kA			Weather condition: Heavy Lightning and rain. The line was previously idle charged. After weather cleared from both ends, the said feeder charged from both ends and load through.	
184	Lapanga	25.06.23	04:40	05:37	00:57	400kV Lapanga - IBTPS ckt-I	**At Lapanga end:**- NOT TRIPPED, R-PH-G, DIST-13.95KM, Z1, IL1-13.30KA, IL2-0.68KA, IL3-0.31KA			AR SUCCESSFUL AT LAPANGA END	
185	Budhipadar	25.06.23	04:54	05:27	00:33	220kV Budhipadar - IB ckt-IV	**At Budhipadar end:-** AR succesful, D/P relay operated, zone-1, fault loop=R ph-E , Fault dist.=13.2KM, IL1=8.622KA **At Kalunga end:**- D/P relay operated,zone-2, fault loop=R ph-E, Fault dist.=165.2KM ,IL1=1071A			Weather:-Lightning & Rainy.	
186	Jayapatna	25.06.23	15:27	19:24	03:57	160MVA,AUTO TRF-2	Tripped on Overfluxing(Voltage=242KV).			Overfluxing	
187	Jayapatna	26.06.23	01:51	05:19	03:28	160MVA,AUTO TRF-2	Tripped on Overfluxing(Voltage=242KV).			Overfluxing	
188	Jayanagar	26.06.23	03:15	06:05	02:50	132kV Jayanagar - Machkund feeder	B-G,Z1,Dist-44KM,If-400A			Station supply failed at Machkund PH. Delay in restarting of Generators. Once all the generators came back, the fdr was made through from Machkund.	
189	Tarkera	28.06.23	06:54	14:34	07:40	100 MVA Auto-III	BUCHHLOZ RELAY MT OPERATED			! Drum oil refilled and charged	
190	Budhipadar	28.06.23	09:17	09:32	00:15	132kV Budhipadar - Lakhanpur feeder	B/U operated, O/C, M/T operated				
			13:38	13:45	00:07		B/U operated, O/C				
			14:00	14:03	00:03						
			15:28	15:33	00:05						
191	Maneswar	28.06.23	20:54	21:13	00:19	132kV Maneswar - Sambalpur feeder	DUE TO 33kv LA BRUST AT R-PHASE OF station TRF-2	Maneswar	01:08	33kv LA BRUST AT R-PHASE OF station TRF-2	
			20:54	22:02	01:08	132kV TRANSFORMER-1					
			20:54	29.06.23	16:15	132kV TRANSFORMER-2					
192	Jajpur Road	29.06.23	02:02	02:32	00:30	132kV Jajpur Road - Duburi ckt-I	DP RELAY OPERATED, FAULT CURRENT: IA=171.7A,IB=205.2A,IC=2.604KA;F. VOLTAGE: VAN=105.0KV,VBN=28.94KV,VCN=89.96KV; F. ZONE-I ;FAULT LOCATION=22.56 KM; FAULT RESISTANCE=10.97Ω				
193	Anandpur	29.06.23	02:07	02:27	00:20	132kV Anandapur - Jajpur Road ckt-I	**At Anandpur end**:- Zone-1, Dist-5.8km, Ia-0.18kA, Ib-0.21kA, Ic-2.91kA, Va-82.91kV, Vb-83.50kV, Vc-17.55kV **At Jajpur Road end:**- Zone-2, Dist-34.64km, Ia=218.4A, Ib=199.5A, Ic=2.368kA, VAN=105.4kV, VBN=29.69kV, VCN=90.43kV			The circuit was charged after confirmation from line incharge and SDO	
194	Rajgangpur	29.06.23	02:22	23:12	20:50	132kV Rajgangpur - Bamra feeder	M/T Operated & DP got hanged, Faults were not displayed. **(Y PH CT Burst)**			REPLACEMENT OF Y-PH CT which was burst.	
195	Dhenkanal	29.06.23	07:16	07:31	00:15	132kV Dhenkanal - Khajuriakata - Nuapatna feeder	**At Dhenkanal end:**- DP relay operated, Z-1,fault loop=C-N, Dist.=17.07km, Ia=110.1A, Ib=99.51A, Ic=1.976KA **At Khajuriakata end:**- DP relay operated, Z-1,fault loop=C-N, Dist.=14.3km, Ic=2.1KA			Line test charged & stood OK	
196	Meramundali	30.06.23	12:20	18:28	06:08	50 MVAR LAPANGA-II REACTOR	PRV Trip, M/T				New

INTERRUPTION REPORT FOR THE MONTH OF JUNE-2023

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	LOSS
1	Gunupur	31.05.23	20:08	01.06.23 18:55:00	22:47	220kV Therubali - Gunupur feeder	**At Therubali end:**- BGT(Y-ph), Z-2, Location-60.83 km, Iy-2.3 kA	Gunupur	02:18	All 3-phs Conductors snap from beam mounted isolators at Gunupur due to heavy wind and rain .Grid blackout. Gunupur availed supply from Akhusingh.	0.01274063
			20:08	01.06.23 18:58:00	22:50	220kV Gunupur - Narendrapur feeder	**At Gunupur end**:- Busbar relay (LBB)operated				
			20:08	01.06.23 19:38:00	23:30	220/132 KV AUTO TRF-01					
			20:08	01.06.23 19:38:00	23:30	220/132 KV AUTO TRF-02					
2	Kantabanji	02.06.23	11:00	11:02	00:02	132kV Kantabanji - Khariar feeder	INCOMER SUPPLY FAILED FROM GSS KHARIAR END	Kantabanji Kantabanji RTSS	00:02		0.000499575
3	Samangara	02.06.23	16:43	21:53	05:10	132kV Samangara - Nimapara feeder	Source Failure, At Samangara-A/R Success Zone-I, Dist=3.5km, Ir-0.59kA At NimaparaTripped at 17:15 hrs -SOTF, Z1, AN, Ia=1.744KA, Ib=6.328A, Ic=6.384A, D=21.15km. Charged at Samangara end at 17:47hrs. [R-ph Jumper snapped at loc.91]	Samangara, Malatipatapur RTSS	01:05	132 KV Pratapsan supply was extended to Samangara through Nimapara reserve bus. The feeder test charged but didn't stand. Jumper snapped of 132kV Samangara-Nimapara feeder. Station Supply availed from 132kV Puri. A/R not operated at Prapsasan.	0.013677423
			16:42	17:30	00:48	132KV Pratapsasan-Nimapada	R Phase to Earth fault ,Zone 3 OPTD, Ir=2.1KA, Iy=0.51KA, Ib=1.02KA				
			16:43	17:44	01:01	132kV Shamuka - Puri feeder	Source failure due to overloading				
4	Bhawanipatna	03.06.23	03:44	03:47	00:03	132kV Bhawanipatna - Lanjigarh RTSS feeder	TRIPPED ON O/C	Lanjigarh RTSS	00:03		0.000299026
5	Joda	03.06.23	14:12	14:30	00:18	220kV Joda - TTPS Ckt-II	Tripped at both end but A/R success at Joda end with following relay indication **At Joda end:**- DP Relay(Main-I): Zone-1, A/R Success, Dist-50.48km, Fault Current: Ia=93.59A, Ib=239.6A, Ic=2.178kA, VAN=129.9kV, VBN=130.5kV, VCN=85.14kV, DP Relay(Main-II): Zone-1, CGT, FD=47.07km, Fault Current: A=97A, B=248A, C=2298A, N=2614A, G=2614A **At TTPS end:**- DP relay, Zone-I, Fault Dist=91.59km, Fault current: Ia=43.62A, Ib=45.8A, Ic=1.967kA	Joda	00:18		0.007438068
6	Karanjia	03.06.23	16:36	17:27	00:51	132kV Karanjia - Rairangpur feeder	**At Karanjia end:**- R-E, Zone-1,fault distance-29Km, IR-0.26KA, IY-0.25KA, IB-0.26KA **At Rairangpur end:**- R- N, Zone-1, SOFT OPTD, Zone-4, IR-97.92A, IY-0A, IB-0A	Karanjia Dhenkikote	00:51	Heavy rainfall, lightning and thunder storm observed	0.016933792
			16:36	17:28	00:52	132kV Dhenkikote - Karanjia feeder	Source failure				
7	Kantabanji	03.06.23	20:54	20:55	00:01	132kV Kantabanji - Railway feeder	Tripped on Overcurrent (line to line fault)	Kantabanj rtss	00:01		5.33743E-05
8	Budhipadar	04.06.23	15:53	16:42	00:49	132kV Budhipadar - MCL ckt-I	D/P relay operated, zone-2, fault loop=R ph-E, Fault dist.=19.95KM, Ia=2.867kA, B/U relay:-R-ph, E/F,IL1=2.85kA	MCL	00:48	Line was Idle charged from budhipadar end. Weather:- thunderstorm & rain.	0.011230908
			15:53	16:41	00:48	132kV Budhipadar - MCL ckt-II	D/P relay operated, zone-2, fault loop=R ph-E, Fault dist.=16.91km, Ia=0kA, B/U relay:-R-ph, E/F				
9	Brajrajnagar	04.06.23	16:06	17:01	00:55	132kV Budhipadar - Brajrajnagar feeder	FFS, D/P operated at Budhipadar end: Rph to E trip, Zone 2 trip, Dist = 11.89km, Ia= 5.882kA	Brajrajnagar Kechhobahal RTSS	00:55	The132kV Budhipadar-Brajrajnagar I/C tripped at Budhipadar end. Weather:- Thunderstorm and rain.	0.0293209
			16:06	17:01	00:55	132kV Brajrajnagar - Lakhanpur feeder					
			16:06	17:01	00:55	132kV Brajrajnagar - RTSS Kechhobahal feeder					
			16:06	17:01	00:55	132/33 KV TRF-I(NGEF)					
			16:06	17:01	00:55	132/33 KV TRF-III(HHE)					
			16:06	17:01	00:55	132/33 KV TRF-IV(T & R)					
			16:06	17:01	00:55	132/33 KV TRF-V(NGEF)					
			16:06	17:00	00:54	132KV Budhipadar - Remja feeder	D/P relay operated, zone-2, fault loop=R ph-E, Fault dist.=11.89KM, Ia=5.882kA CB did not tripped at Remote end.				
10	Jharsuguda	04.06.23	16:07	16:12	00:05	132kV Jharsuguda - Budhipadar Ckt-I	O/C E fault, Ia= 709.4 A, Ib= 208 A, Ic= 252 A	Jharsuguda	00:05		0.002150929
11	Chainpal	04.06.23	19:01	19:58	00:57	132kV Chainpal - TFL - GLOBAL - HWB feeder	Tripped at Chainpal end on Directional Over Current B phase & E/F. IA=0.31kA, IB=10kA, IC=9.56kA.	Global Heavy Water Feeder	00:57		0.001027579
			19:01	20:38	01:37	132kV Chainpal - TTPS Ckt-II	Tripped at TTPS end on Distance Protection Relay with indication Z3, Fault Distance 40Km, IA=0.227kA, IB=0.227kA, IC=2.18kA				
			19:02	19:19	00:17	132kV Chainpal - Meramandali Ckt-I	Tripped at Meramandali end on Directional Over Current B phase & E/F. IA=0.16kA, IB=2.34kA, IC=1.90kA.				
			19:02	19:19	00:17	132kV Chainpal - Meramandali Ckt-II	Tripped at Meramandali end on Directional Over Current B phase & E/F. IA=0.10kA, IB=2.36kA, IC=1.85kA.				
12	Jagatsinghpur	04.06.23	20:01	20:24	00:23	132kV Jagatsinghpur - Cuttack feeder	132kV p/s failed from both Cuttack & Tirtol GSS with heavy spark inside Jagatsinghpur GSS. No Breaker tripped at Jagatsinghpur end. **At Cuttack end:-** Zone-2, Tripped on RYB, Ia= 543.5A, Ib = 2.306kA, Ic= 350.2 A, Dist-42.08km	Jagatsinghpur Goreknath traction Tirtol	00:23 00:28	Jagatsinghpur GSS availed 132kV P/S from Cuttack end at 20:24 .	0.022079728
			20:01	20:30	00:29	132kV Tirtol - Paradeep feeder	**At Jagatsinghpur end**:- No Breaker tripped **At Tirtol end:**- Zone-1, Ia= 48.11A, Ib=1.939kA, Ic=163A, Dist-17.3km			Jagatsinghpur GSS availed 132kV P/S from Cuttack end at 20:24 . At 20:30 132kV Tirtol-Jagatsinghpur Line charged from Tirtol end & stood ok. 132kV Tirtol-Jagatsinghpur Line is in idle charged condition.	
			20:02	20:30	00:28	132kV Tirtol - Jagatsinghpur feeder	At Tirtol end: ZONE-1, Y-PHASE, Ib-1.939KA, Dist-17.3km ,fault duration-53.31ms			Weather: Heavy lightening & Rain	
13	Dhenkanal	04.06.23	20:24	06.06.23 02:21:00	29:57	132kV Dhenkanal - Meramundali feeder	**At Dhenkanal end**:- DP relay operated, Z-1, Dist.-7.536km, Ia=1.678KA, Ib=1.814KA, Ic=1.721KA **At Meramundali end**:- DP relay operated, Z-1, Dist.=27.65km, Ia=4.36KA, Ib=4.46KA, Ic=4.13KA [B-Ph Conductor from S/Y Gantry beam to Tower No-1 has been snapped and fell on 33 KV Bus at MRDL End and also B-Ph Wavetrap has been damaged]	Dhenkanal Joranda Tr. Khuntuni	00:15 00:23	LC taken by MRDL grid to attend the B/D. 132KV DKL-MRDL line was B/D. So no power supply to the station. Fault occured at Meramundali grid ,Power failure from 132KV DKL fdr . As the said period the 132 kV ICCL Fdr was in H/T condition at ICCL end, At 20:47 hrs 132KV supply availed from ICCL end.	0.020835319
			20:24	20:39	00:15	132kV Dhenkanal - Khajuriakata - Nuapatna feeder	**At Khajuriakata end**:- DP relay operated, Z-1, fault loop-R-Y-B, Dist.=45.2km, Ia=1.639KA, Ib=1.735KA, Ic=1.702KA				
			20:24	20:39	00:15	132kV Dhenkanal - Joranda Road Traction feeder	Power supply failure				
			20:24	20:39	00:15	132kV 40MVA TFR-I	Power supply failure				
			20:24	20:39	00:15	132kV 40MVA TFR-II	Power supply failure				
			20:24	20:39	00:15	132kV 40MVA TFR-III	Power supply failure				
			20:24	20:47	00:23	132kV Dhenkanal - Khuntuni feeder	Source failure				
14	Choudwar	04.06.23	20:40	20:47	00:07	132kV Aarti – TS Alloys feeder	Trippped during rainy weather	TS Alloys	00:07		9.72222E-09

15	Argul	04.06.23	21:35	21:38	00:03	132kV Argul - Argul ckt-I	Incoming failure from Atri end	Argul	00:03		0.000971588
			21:35	21:38	00:03	132kV Atri - Argul feeder	Tripped				
16	Paradeep	05.06.23	06:34	06:42	00:08	132kV Paradeep - RTSS Siju feeder	O/C R&Y-PHASE Ia-974.8A,Ib-974.2A,Ic-0	SIJU RTSS	00:08		0.000684439
17	Dhenkanal	05.06.23	12:33	12:42	00:09	132kV Dhenkanal - Khajuriakata - Nuapatna feeder	**At Khajuriakata end**:- B/U relay operated , B-phase O/C	Dhenkanal Joranda Road Tr.	00:09	132KV DKL-MRDL line was B/D. So no power supply to the station.	0.007177791
			12:33	12:42	00:09	132kV Dhenkanal - Joranda Road Traction feeder	Power supply failure				
			12:33	12:42	00:09	132kV 40MVA TFR-I	Power supply failure				
			12:33	12:42	00:09	132kV 40MVA TFR-II	Power supply failure				
			12:33	12:42	00:09	132kV 40MVA TFR-III	Power supply failure				
18	Kantabanji	06.06.23	13:54	14:07	00:13	132kV Kantabanji - Khariar feeder	INCOMER SUPPLY FAILED FROM GSS KHARIAR END	Kantabanji Kantabanji RTSS	00:15		0.003746813
			14:38	14:40	00:02	132kV Kantabanji - Khariar feeder					
19	Dhenkanal	05.06.23	14:54	15:04	00:10	132kV Dhenkanal - Joranda Road Traction feeder	Power supply failure	Dhenkanal Joranda Road Tr.	00:08	132KV DKL-MRDL line was B/D. So no power supply to the station.	0.006380258
			14:56	15:04	00:08	132kV Dhenkanal - Khajuriakata - Nuapatna feeder	**At Khajuriakata end**:- B/U relay operated , B-phase O/C				
			14:56	15:04	00:08	132kV 40MVA TFR-I	Power supply failure				
			14:56	15:04	00:08	132kV 40MVA TFR-II	Power supply failure				
			14:56	15:04	00:08	132kV 40MVA TFR-III	Power supply failure				
20	Bhadrak	06.06.23	15:58	17:00	01:02	132kV Bhadrak - Jajpur Town feeder	Tripped on B phase O/C &E/F, Started phase CN,Zone-I, Fault location 1.344KM,Ia=128.8A,Ib=262.0A,Ic=8.75KA [Heavy rainfall, lightning]	Jajpur Town	01:02	Heavy rainfall, lightning	0.038683735
21	Bhawanipatna	06.06.23	16:42	16:50	00:08	132kV Bhawanipatna - Lanjigarh RTSS feeder	TRIPPED ON DIR O/C & E/F	Lanjigarh RTSS	00:08		0.000797402
22	Pattamundai	06.06.23	16:45	17:19	00:34	132kV Kendrapara - Pattamundai feeder	**At Kendrapara end**:- TRIPPED ON DP, ZONE-2, DIST.=21.13 KM,R-PHASE,Ir=4.494 KA,Iy=546.5 A,Ib=635.8 A **At Pattamundai end**:- DP, ZONE-1, DIST.=10.84 KM, Ir=480.5 A KA, Iy=432 A,Ib=532.5 A	Pattamundai Olaver Chandbali Rajnagar	00:34	Heavy rain	0.024476707
			16:45	17:20	00:35	132kV Olaver - Chandbali ckt-I & II	Source Fail				
			16:45	17:19	00:34	132kV Rajnagar - Pattamundai ckt-I					
			16:45	17:19	00:34	132kV Rajnagar - Pattamundai ckt-II					
			16:48	17:22	00:34	132kV Olaver - Pattamundai ckt-I & II					
23	Narendrapur	07.06.23	04:50	04:51	00:01	132kV Narendrapur - Jagannathpur Traction Feeder	Tripped on O/C with R & B Phase .Ir-1.02KAmp , Ib-1.02KAmp.	Jagannathpur Traction	00:01		7.01891E-05
24	Olaver	07.06.23	08:10	08:16	00:06	132kV Olaver - Chandbali ckt-I & II	Source Fail	Olaver Chandbali Rajnagar	00:08		0.003628973
		07.06.23	08:10	08:18	00:08	132kV Olaver - Pattamundai ckt-I & II					
		07.06.23	08:10	08:18	00:08	132kV Rajnagar - Pattamundai ckt-I					
		07.06.23	08:10	08:18	00:08	132kV Rajnagar - Pattamundai ckt-II					
25	Jajpur Road	07.06.23	09:58	10:28	00:30	132kV Jajpur Road - Duburi ckt-I	DP RELAY OPERATED, FAULT CURRENT: IA=3.710KA,IB=246.8A,IC=591.5KA;F. VOLTAGE: VAN=123.2KV,VBN=189.5KV,VCN=70.43KV; F. ZONE-IV; FAULT RESISTANCE=34.18mΩ; FAULT LOCATION=11.03KM	Jajpur Road Chandikhol Pattamundai Rajnagar Olaver & Chandbali	00:30 00:16 00:27	After getting clerance from SI of GSS the line was charged	0.050335246
			09:58	10:29	00:31	132kV Jajpur Road - Duburi ckt-II	DP RELAY OPERATED, FAULT CURRENT: IA=3.635KA,IB=261.3A,IC=564.3A;F. VOLTAGE: VAN=16.17KV,VBN=83.95KV,VCN=66.62KV; F. ZONE-IV; FAULT RESISTANCE=3.341Ω; FAULT LOCATION=2.677KM				
			09:58	10:26	00:28	132kV Olaver - Chandbali ckt-I & II	Incomer failure				
			09:59	11:02	01:03	132kV Kendrapara - RAMCO ckt-II	**At Kendrapara end**:- TRIPPED ON B/U E/F WITH M/R, Ir=165.7A, Iy=134.5A, Ib=324.3A **At RAMCO end**:- TRIPPED ON B/U E/F WITH M/R, Ir=102.5A, Iy=42.68 A, Ib=36.84 A			PATTAMUNDAI GRID WAS AVAILING P/S FROM RAMCO END THROUGH KENDRAPARA RESERVE BUS.	
			09:59	10:26	00:27	132kV Olaver - Pattamundai ckt-I & II	Incomer failed.				
			09:59	10:25	00:26	132kV Pattamundai - Kendrapara feeder	Incomer failure			Supply failed from Jajpur Road due to tripping of RAMCO feeder. Supply was availed from Paradeep end.	
			09:59	10:32	00:33	132kV Jajapur Road - Chandikhol ckt-I	Tripped on E/F & O/C R,Y & B-Phase due to bird fault on 132kV Main Bus			I/C Power Supply was availed from kendrapara end at 10:14 .	
26	Palasponga	07.06.23	12:05	12:11	00:06	132kV Palasponga - RTSS-KJR feeder	O/C (R-ф), BACK UP RELAY ,IA=299.8A,IB=235.1A,IC=90.68A, INM=6.99A,IND=7.4A	Keonjhar RTSS	00:06	O/C TRIP	0.00073289
27	BC Mohanty	07.06.23	13:20	13:42	00:22	132kV BC Mohanty - RTSS Tomka feeder	O/C	Tomka RTSS	00:22		0.001602394
28	Rayagada	07.06.23	15:03	15:13	00:10	132kV Podagada - Rayagada feeder	Tripped on GR-A/B Trip Relay Optd, A/R UNSUCCESSFUL, Distance relay Optd , Zone-2/3 multi phase Trip, IL1= 0.15KA, IL2= 0.64KA, IL3=0.05KA, dist= 92.2 KM	Akhusingh	00:09	Charged after getting confirmation from Rayagada GSS.	0.000965549
			15:04	15:13	00:09	132kV Akhusingh - Rayagada feeder	Incoming failure				
29	Nimapara	07.06.23	18:10	08.06.23 12:47:00	18:37	132kV Nimapara - Pratapsasan feeder	**At Nimapara end**:-No relay indication **At Pratapsasan end**:- SOTF, Z1, BN, Ia=316A, Ib=5.18KA, Ic=0.15KA, D=9.5KM (132KV Pratapsasan -Samangara feeder was in T-connection at Nimapara grid) [conductor snapped at loc. No.121]	Nimapara Samangara	01:20 00:31	A/R not operated.conductor snapped at loc. No.121	0.062926564
			18:10	18:10	00:00	220KV Pratapsasan - Pandiabil ckt-2	B phase to earth fault, Ib=4.3KA			Line patrolling has been carried out and possible low clearance trees have been trimmed	
			18:11	18:42	00:31	132kV Samangara - Nimapara feeder	source Failure			source Failure.Power supply availed from 132 KV Puri	
30	Jagatsinghpur	07.06.23	19:15	19:19	00:04	132kV Jagatsinghpur - Tirtol feeder	132kV Jagatsinghpur GSS P/S failed due to failure of CT at Paradeep side.	Jagatsinghpur Goreknath tr. Tirtol	00:04 00:17	Jagatsinghpur Gss was availing 132kV P/S from Cuttack end at 19:19 .	0.007647328
			19:15	08.06.23 17:41:00	23:26	132kV Paradeep - Tirtol feeder	At Tirtol end: ZONE-1, Y-PHASE, Ib-206.4KA, Dist-21.17km ,fault duration-48.28ms				
31	Nimapara	08.06.23	17:21	09.06.23 01:25:00	08:24	132kV Nimapara - Chandaka feeder	**At Nimapara end:-**Z1, AN, Ia=2.503KA, Ib=0A, Ic=3.99A, D=19.28KM, A/R successful **At Chandaka end**:-Z1, AN, Ia=3.046KA, Ib= 276.3A, Ic=351.7A, D=31.86KM, A/R blocked [conductor snapped at loc. No.121]	Konark grid	00:30	conductor snapped at loc. No.121	0.004469821
			17:22	17:51	00:29	132kV Konark - Nimapara feeder	Supply failure				

32	Palasponga	08.06.23	18:28	18:30	00:02	132kV Palasponga - RTSS-KJR feeder	O/C (R-ϕ), BACK UP RELAY ,IA=300.4A,IB=256.4A,IC=53.27A, INM=6.733A,IND=5.263A	RTSS-KJR	00:02	O/C TRIP	0.000244297
33	Konark	08.06.23	19:16	19:29	00:13	132kV Konark - Nimapara feeder	Supply failure	Konark	00:13		0.001936922
34	Saintala	09.06.23	14:27	16:02	01:35	132kV Saintala - Kesinga feeder	Tripped on E/f [Due to Y-ph CT of 132kV OPTCL-OFBL I/C (OFBL S/Y) Burst]	Ordnance	01:35	Due to Y-ph CT of 132kV OPTCL-OFBL I/C (OFBL S/Y) Burst	0.002765072
			14:27	16:02	01:35	132kV Saintala - Tusura feeder					
35	Akhusingh	10.06.23	12:18	12:39	00:21	132kV Akhusingh - Rayagada feeder	Incoming failure	Akhusingh	00:21		0.002252947
36	Rairakhol	10.06.23	14:44	16:00	01:16	132kV Rairakhol - Boinda feeder	**At Boinda end**:- R-ph, Zone-1, L1 -N, Dist-30.566km, If=1431.59A **At Rairakhol end:**- TRIPPED DUE TO E/F & IL1=1.431A,3PH TRIP,TRIP-R,ZONE-1	Rairakhol	00:14	132 KV P/S AVAILED AT 15:07 . FROM MANESWAR GRID END.	0.002215359
37	Khajuriakata	10.06.23	16:38	16:46	00:08	132kV Khajuriakata - Dhenkanal - Nuapatna T feeder	**At Khajuriakata end:**- No Trip **At Dhenkanal end:**- Z-1, Bph, O/C, Ib-1.99KA, Dist-24.44KM **At Nuapatna end:**- H/T condition	Khajuriakata	00:08	PS FAILURE AT KHAJURIAKATA GRID S/S	0.000824345
			16:40	19:01	02:21	132kV Khajuriakata - Meramundali feeder	**At Khajuriakata end**:-Z-1, Yph, E/F, Iy=2.14KA, Dist-600mtr **At Meramundali end**:- Z-1, Yph, E/F, Iy-7.39kA, Dist-6.01km			Charging delay due to disturbance at Meramundali end.	
38	Khajuriakata	10.06.23	17:41	17:43	00:02	132kV Khajuriakata - Dhenkanal - Nuapatna T feeder	**At Khajuriakata end**:- Bph, E/F, Backup optd	Khajuriakata	00:02	PS FAILURE AT KHAJURIAKATA GRID S/S	0.000206086
39	Chainpal	11.06.23	06:45	08:25	01:40	132kV Chainpal - TFL - GLOBAL - HWB feeder	Tripped at Chainpal end on Directional Over Current Y phase & E/F. IA=0.503kA, IB=9.12kA, IC=8.25kA.	Global HEB	01:40	Fault due to Bird Nest at GLOBAL end.Line charged after clearing the nest.	0.001802771
			06:45	08:53	02:08	132kV Chainpal - TTPS Ckt-II	Tripped at TTPS end only. DP Relay, Z3, Distance=41.26kM, IA=0.189kA, IB=1.94kA, IC=0.205kA			Relay setting at TTPS end is problematic.	
40	Salipur	12.06.23	11:42	13:20	01:38	132kV Salipur - ICCL feeder	Power failure from source end.	Salipur, Mania & OCL	00:11	132kV supply availed from Kendrapara Grid at 11:53	0.009271233
			11:42	13:55	02:13	132kV Salipur - OCL feeder	Power failure from source end.				
			11:42	12:11	00:29	132kV ICCL - Mania feeder	INCOMER FAILED				
			11:42	12:12	00:30	132kV Mania - OCL feeder	INCOMER FAILED				
			11:42	11:54	00:12	132kV ICCL - Khuntuni feeder	Tripping occured due to failure of BPPL2 generation. Imfa goes to houseload. All other feeders H/T at ICCL end until power restoration. 132KV Kendrapada traction was on Bidanasi fdr.				
41	Dhenkanal	12.06.23	12:20	12:36	00:16	132kV Dhenkanal - Khuntuni feeder	**At Dhenkanal end:**- B/U relay operated, Ia=432.7A, Ib=462.4A, Ic=431.1A	Khuntuni Shree cement	00:16	The line test charged & it stood OK.	0.004348265
42	Mania	12.06.23	12:25	12:36	00:11	132kV ICCL - Mania feeder	INCOMER FAILED	OCL Mania	00:15 00:11		0.004242049
			12:25	12:40	00:15	132kV Mania - OCL feeder					
43	Telkoi	12.06.23	12:50	13:07	00:17	220kV Joda - Telkoi feeder	Tripped at both end with following relay indication **At Joda end:**-DP, Relay(Main-I): Zone-1, Dist=50.78km, SOTF trip, Fault Current: Ia=37.56A, Ib=39.74A, Ic=1.918kA, VAN=128.3kV, VBN=130.0kV, VCN=103.3kV, DP Relay(Main-II): Zone-1, CG, FD=45.46km, Fault Current: A=148A, B=131A, C=1844A, N=1907A, G=1908A **At Telkoi end:**- DP relay, Zone-I, Fault Dist=51.22km, Fault current: Ia=190.2A, Ib=264.1A, Ic=1.124kA	Telkoi	00:17		0.000551904
			12:50	13:14	00:24	220kV Telkoi - TTPS feeder	Tripped on distance protection from TTPS end while CB of said feeder was in closed condition at Telkoi end. DP relay indication at TTPS end:- (1) IA=27.49A, IB=48.19A, IC=0A No relay indication observed for above said fault at Telkoi end:-				
44	Rayagada	12.06.23	14:24	14:39	00:15	132kV Akhusingh - Rayagada feeder	Incoming failure	Akhusingh	00:15		0.001609248
			14:25	14:39	00:14	132kV Podagada - Rayagada feeder	Tripped on GR-A/B, Trip Relay Optd,Distance relay Optd , R-Y Ph fault, Zone-2 Trip, Pickup time= 410 mS, Tripping Time-351ms, Dist-58 KM, IL1= 0.85KA, IL2= 0.75KA, IL3=0.5 KA			**Charged after getting confirmation from Rayagada GSS.**	
45	Nuapatna	12.06.23	19:20	19:24	00:04	132kV Nuapatna - Arati feeder	Tripped on E/F and O/C	Arati	00:04	Bad weather, heavy thunder storm.	0.000247969
46	Baripada	13.06.23	16:03	16:07	00:04	132kV Baripada - Betnoti feeder	Non of the circuit breaker tripped either from Baripada grid or Betanati grid end. CB was trip from PGCIL (KUCHEI) & Balasore grid end .	BARIPADA, BETNOTI UDALA GSS	00:04	CB was trip from PGCIL (KUCHEI) & Balasore grid end .Weather Condition- Rain & lightening..	0.003625484
			16:03	14.06.23 14:07:00	22:04	132kV Baripada - Baripada PG feeder	**At Baripada end**:- No relay operated **At PGCIL end:**- Backup relay operated:- Directional L3 pickup, Directional O/C trip(B-phase), IL3=0.7kA, time delay=1492ms				
			16:03	16:07	00:04	40MVA 132/33KV TRF NO.I	Source failure due to CB tripped from PGCIL (Kuchei) & Balasore grid end .				
			16:03	16:07	00:04	40MVA 132/33KV TRF NO.II					
			16:03	16:07	00:04	40MVA 132/33KV TRF NO.III					
			16:03	16:07	00:04	132kV Udala - Betanati feeder	Source failure				
			16:03	16:07	00:04	132kV Balasore - Udala feeder	**At Balasore end:**- Back up relay:- O/C R-Y-B Ph, Fault current Ia-0.20kA, Ib-0.53kA, Ic-0.42kA **At Udala end:**- No tripping				
47	Akhusingh	14.06.23	06:17	06:54	00:37	132kV Akhusingh - Rayagada feeder	E/F, Ia=71A, Ib=71.1A, Ic=167A, Dist=17.14km	Akhusingh	00:37	Change over to Gunupur	0.003969478
48	Kuchinda	14.06.23	16:04	17:05	01:01	132kV Kuchinda - SMC feeder	tripped ph B,Distance protection Zone1,Fault location=28.33Km,Ia=199.0A,Ib=902.7A,Ic=83.65A	SMC	01:01	Line patrolling was done & no fault was found.	0.003616192
			16:04	17:11	01:07	132/33Kv TRF-I Feeder	tripped ph B, differential protection Ia=29.09A,Ib=37.70A,Ic=53.83A			Trf1 was pulled out with feeder fault	
49	Bhanjanagar	14.06.23	18:04	15.06.23 12:23:00	18:19	132kV Bhanjanagar - G Udayagiri feeder	**At Bhanjanagar end**:- BN, Zone-1, Dist-38.37km, IB=2.429kA **At G Udayagiri end**:- BN, Zone-1, Dist-12.4km, IB= 0.31kA	G Udayagiri Phulbani	18:20	L/C TAKEN BY GSS G UDAYGIRI FOR B/D	0.089285976
			18:04	15.06.23 12:32:00	18:20	132kV Phulbani - G Udayagiri feeder	Tripped at Bhanjanagar end ,Yph E/F, Z-1, 38.37 KM, Iy=2.429 kA & at G.Udaygiri end Y Ph E/F,Z-1,12.5 KM[Y-Ph insulator failed at Loc-132 due to lightning.]			Y-Ph insulator failed at Loc-132 due to lightning.	
50	Kuchinda	14.06.23	18:39	19:33	00:54	132kV Kuchinda - SMC feeder	tripped ph B,Distance protection Zone1,Fault location=31.44Km,Ia=166.2A,Ib=917.5A,Ic=79.11A	SMC	00:54	power drawn from Rajgangpur end Via Kutra switching station.	0.003201219
			18:39	18:55	00:16	132/33kV TRF-I Feeder	tripped ph C, differential protection Ia=20.68A,Ib=13.04A,Ic=39.44A				
51	Jaleswar	15.06.23	18:21	18:51	00:30	132kV Jaleswar - Kuchei feeder	Tripped from Kuchei end only.	Jaleswar Jaleswar Tr. Bhogarai	00:30 00:33	131 KV Kuchei-Jaleswar, Kuchei-Bhograi Line tripped from Kuchei end only & 132 KV Basta-Jaleswar Fdr priciously H/T from Basta end.	0.01719444
			18:21	18:53	00:32	132kV Jaleswar - Bhograi feeder	Source failure				
			18:21	18:32	00:11	132kV Jaleswar - Traction feeder					
			18:21	18:32	00:11	132kV Jaleswar - Basta feeder					
			18:23	18:56	00:33	132kV Bhograi - Kuchei feeder	**At Kuchei end:**- DP operated, Zone-1, Bph to E, Dist-16.07km, IB-2.794kA				

52	Banki	16.06.23	10:41	11:15	00:34	132kV Banki - Atri feeder	ATRI END POWER FAILURE.AS POWER WAS AVAILED FROM ATRI END,BANKI GRID PULLED OUT.COMPLETE POWER FAILURE	Banki	00:34	132KV NUAPATNA WAS AVAILING POWER FROM BANKI END.HENCE POWER COULD NOT BE AVAILED FROM NUAPTNA END AND BANKI GRID WAS UNDER COMPLETE POWER FAILURE DURINGTHIS PERIOD.	0.007597851
53	Samangara	16.06.23	10:41	10:48	00:07	132kV Samangara - Puri feeder	Source Failure	Samangara	00:07	Source Failure. Source supply availed from132 KV Nimapara	0.001472953
54	Balugaon	16.06.23	10:41	10:53	00:12	132kV Chhatrapur - Balugaon feeder	I/C P/S failure due to Under voltage.	Balugaon,Solari RTSS	00:12		0.008879324
55	Argul	16.06.23	10:42	11:15	00:33	132kV Atri- Argul ckt-I	Incoming failure from Atri end	Argul	00:33	Narendrapur supply to Atri failed.	0.010687463
			10:42	11:15	00:33	132kV Atri - Argul ckt-II					
56	Ganjam	16.06.23	10:42	10:47	00:05	132kV Ganjam - Chhatrapur feeder	Source failure	Ganjam Grasim	00:05		0.002472754
57	Narendrapur	16.06.23	10:40	11:11	00:31	160MVA Auto Trf-I	Tripped on Over Fluxing.	Narendrapur Narendrapur Tr.	00:32	Over Fluxing	0.039079389
			10:40	11:12	00:32	160MVA Auto Trf-II	Tripped on Over Fluxing.				
			10:40	11:07	00:27	160MVA Auto Trf-III	Tripped on Over Fluxing.				
			10:47	11:15	00:28	220kV Narendrapur - Tata Ckt-II	Tripped on M/R operated				
			10:43	10:48	00:05	220kV Therubali - Narendrapur ckt-II	**At Therubali end:**- L1-L2, Z-1, -1KM, IL1=674.69A, IL2=777.32A, IL3=1286.69A **At Narendrapur end**:- No tripping				
58	Nuapatna	16.06.23	10:44	10:56	00:12	132kV Nuapatna - Arati feeder	Feeder tripped at Arati end with following indication: Ia=544.1A, Ib=409.4A, Ic=460.A. No relay indication at Nuapana end.	Nuappatna Banki	00:12	Nuapatna and Banki were availing P/S from Arati	0.006534572
59	Infocity GIS	16.06.23	10:50	18.06.23 06:34:00	43:44	220kV Infocity -II - Mendhasal feeder	Tripped due to fault at atri grid end resulted in general trip & o/v at our CB end.	Infocity GIS	00:37	220kv system failure due to fault at atri grid end resulted in general trip & o/v at our CB end.hence CB was charged after	0.004678873
			10:50	11:27	00:37	220kV Infocity -II - Atri feeder					
60	Akhusingh	16.06.23	13:28	14:11	00:43	132kV Akhusingh - Rayagada feeder	Incoming failure	Akhusingh	00:43		0.00310345
61	Argul	16.06.23	19:24	19:26	00:02	132kV Atri - Argul ckt-I	Incoming failure from Atri end	Argul	00:02	ATRI END POWER FAILURE.132KV NUAPATNA WAS AVAILING POWER FROM BANKI	0.000647725
			19:24	19:26	00:02	132kV Atri - Argul ckt-II					
			19:24	19:25	00:01	132kV Banki - Atri feeder					
62	Akhusingh	16.06.23	19:39	20:17	00:38	132kV Akhusingh - Rayagada feeder	Incoming failure	Akhusingh	00:38		0.002742584
63	Pattamundai	17.06.23	11:14	11:23	00:09	132kV Olaver - Pattamundai ckt-I & II	Incomer failed.	Olaver Chandbali Rajnagar	00:09		0.004082595
			11:14	11:22	00:08	132kV Olaver - Chandbali ckt-I & II					
			11:14	11:23	00:09	132kV Rajnagar - Pattamundai ckt-I					
			11:14	11:23	00:09	132kV Rajnagar - Pattamundai ckt-II					
64	Olaver	17.06.23	12:17	12:21	00:04	132kV Olaver - Pattamundai ckt-I & II	Incomer failed.	Olaver Chandbali Rajnagar	00:04		0.001814487
			12:17	12:20	00:03	132kV Olaver - Chandbali ckt-I & II					
			12:17	12:20	00:03	132kV Rajnagar - Pattamundai ckt-I					
			12:17	12:20	00:03	132kV Rajnagar - Pattamundai ckt-II					
65	Kesinga	17.06.23	12:59	13:09	00:10	132kV Kesinga - Khariar feeder	O/C	Khariar Kantabanji Kantabanji Tr.	00:11		0.008192115
			13:00	13:11	00:11	132kV Kantabanji - Khariar feeder	INCOMER SUPPLY FAILED FROM GSS KHARIAR END				
66	Padampur	17.06.23	13:00	13:10	00:10	132kV Padampur - Nuapada feeder	Source Failure from 132/33KV GSS Khariar	Padampur, Nuapada	00:10		0.005403527
67	Joda	17.06.23	13:45	14:16	00:31	220kV Joda - TTPS Ckt-II	Tripped at both end but A/R success at Joda end with following relay indication **At Joda end:**- DP Relay(Main-I): Zone-1, A/R Success, Dist.=47.70km, Fault Current: Ia=152.8A, Ib=1.411kA, Ic=795A,VAN=127.7kV, VBN=152.8kV, VCN=77.47kV, DP Relay(Main-II): A/R Success, Zone-1, BGT, FD=37.29km, Fault Current: A=149A, B=1382A, C=750A, N=2183A, G=2182A **At TTPS end:**- DP relay, Zone-I, Fault Dist=79.52km, Fault current: Ia=112.7A, Ib=2.240kA, Ic=752.1A	Telkoi	00:26		0.000844089
			13:45	14:24	00:39	220kV Joda - Telkoi feeder	Tripped at both end with following relay indication **At Joda end:**-DP Relay(Main-I): Zone-1, Dist=44.15KM, Fault Current: Ia=116.2A, Ib=1.776KA, Ic=3.162KA, VAN=128.3KV, VBN=130.0KV, VCN=103.3KV, DP Relay(Main-II): Zone-1, BCT, FD=56.09KM, Fault Current: A=113A, B=1775A, C=3049A, N=1730A, G=1729A **AT Telkoi end:** DP relay, Zone-I, Fault Dist=41.09KM, Fault current: Ia=79.95A, Ib=1.801kA, Ic=2.367KA				
			13:45	14:11	00:26	220kV Telkoi - TTPS feeder	Tripped on distance protection from TTPS end while CB of said feeder was in closed condition at Telkoi end. DP relay indication at TTPS end:- (1)Zone-2 (2) IA=23.79A, IB=929.1A, IC=592.8A (3) Fault location-116.8KM. Pick up data of Main-I DP relay at Telkoi end:-(1) Started phase B C (2) Overcurrent Start I >3 (4) Tripped Elts No (5)IA=118A, IB=1.783KA, IC=2.351KA (6) Fault in zone None				
68	Balimela	17.06.23	13:00	15:47	02:47	220kV Balimela - Kalimela feeder	L/3,E/F =5.5 KA	Kalimela	02:47	The ckt tripped due to fire under 220KV Balimela PH-Balimela S/S line inside OHPC premises	0.018676959
			13:47	15:42	01:55	220kV Kalimela - Malkangiri feeder	Incomer failure	Malkangiri	01:52		0.013014115
			13:48	15:37	01:49	220kV Balimela - Malkangiri ckt-II	Incomer failure				
			13:48	15:40	01:52	220kV Balimela - Malkangiri ckt-I	Incomer failure				
69	Bidanasi	17.06.23	14:48	15:09	00:21	100MVA Auto Tfr-1	E/F with M/T relay operated. IL1-0,IL2-0.73KAmp,IL3-0.54KAmp	Bidanasi Choudwar Choudwar Tr.	00:21	B- PH SI to main bus jumper snapped	0.040816465
			14:48	17:53	03:05	132kV Brajabiharipur - Bidanasi feeder	**At Brajabiharipur end**:- Dist-5.5km, L3-E/F PICKUP. IL1=IL2=0.36kA, IL3=2.69kA				
			14:50	17:46	02:56	132kV Choudwar – Bidanasi feeder	Power supply failed at Choudwar GSS				
			14:50	15:00	00:10	132kV Choudwar – Kendrapara Road Traction feeder	Power supply failed at Choudwar GSS				
			14:53	15:01	00:08	132kV Salipur - ICCL feeder	Power failure from source end.	Salipur, Mania & OCL	00:42 00:57	132kV supply availed from Kendrapara Grid at 15:09 (Only station supply aviled till 15:46 load limited to 20MW)	0.040511084
			15:02	17:52	02:50		Power failure from source end.				
			14:53	15:01	00:08	132kV Salipur - OCL feeder	Power failure from source end.				
			15:02	17:52	02:50		Power failure from source end.				
			14:53	15:01	00:08	132kV ICCL - Mania feeder	INCOMER FAILED				
			15:03	15:50	00:47		INCOMER FAILED				
			14:53	15:01	00:08	132kV Mania - OCL feeder	INCOMER FAILED				
			15:03	15:50	00:47		INCOMER FAILED				
			14:54	15:08	00:14	132kV Nuapatna- Banki feeder	Tripped on O/C at Banki end , Power supply failed at Nuapatna grid S/S, Ia= 407A, Ib=342A, Ic=350A	Nuapatana Banki	00:14	Nuapatna and Arati were availing P/S from Banki	0.007623667
			14:54	15:15	00:21	132kV Nuapatna - Arati feeder	Power supply failed from Nuapatna/Banki				
70	Dhenkikote	17.06.23	18:19	18:31	00:12	132kV Dhenkikote - Karanjia feeder	Broken conducter, DP, Ia-54.40A Ib-65.58A,Ic-39.85A	Dhenkikote	00:12		0.009570388
71	Sonepur	17.06.23	18:36	18:44	00:08	132kV Sonepur - Bolangir feeder	AC Supply failed from Bolangir (New)	Sonepur, Boudh, Birmaharajpur	00:08		0.00715921
72	Akhusingh	18.06.23	07:40	07:50	00:10	132kV Akhusingh - Rayagada feeder	Incoming failure	Akhusingh	00:10		0.000721733
73	Barbil	18.06.23	21:05	22:07	01:02	132kV Barbil - KSP(RML) feeder	132KV Barbil-KSP(RML) fdr tripped only at Barbil Grid S/S with following relay indications **At Barbil Grid end**:- B/U relay:- E/F, Ia=2.4kA, Ib= 49A, Ic-=44A, In=2.1kA	Barbil, KSP(RML), Arya Steel Nalda Tr.	01:02 00:20	Heavy rainfall, thunderstorm and windstorm	0.018659208
74	Khurda	18.06.23	22:55	23:02	00:07	132kV Khurda - MSAL feeder	S/F	KHURDA Kaipadar Tr.	00:07	Bad Weather. M/S failed from MSAL end	0.009703767
			22:55	23:02	00:07	132kV Khurda - KTSS feeder					

75	Dhenkanal	18.06.23	23:01	23:23	22:00	132kV Dhenkanal - Joranda Road Traction feeder	DP relay operated, Z-2, Dist.=17.57km, Ic=2.7KA	Joranda RTSS	22:00	Line test charged & stood OK	0.002543248
76	Khurda	19.06.23	00:17	00:46	00:29	132kV Khurda - Mendhasal feeder	Source Failure	Khurda, Kaipadar KTSS	00:29	Bad Weather. M/S failed from Mendhasal end	0.04020132
						132kV Khurda - KTSS feeder					
77	Soro	19.06.23	00:30	18:59	18:29	132kV Bhadrak - Soro feeder	Tripped on Y phase ,B phase O/C,Zone-I,Started phase-BCN,Tripped phase-ABC,Fault duration-73.26ms,Fault location-3.717KM,IA=308.5A,IB=6.082KA,IC=5.140KA	Soro	00:12	After field verification it is found that the conductor has snapped in between loc. No. 5 &6 hence the feeder is declared as faulty. L/C taken & work is under process.	0.008839239
			00:30	00:37	00:07	40MVA 132/33kV TRF No.I	Source Failure			Y-Phase Conductor snapped in between LOC NO 9 & 10 of 132 KV Soro- Bhadrak Line .Black out at Soro Grid from 00:30 Hr of Date 19.06.2023 to 19.06.2023 00.37 Hr. At 00:37Hr Dated 19/06/23 132KV Soro-Chandipur Line Breaker was charged at Soro Grid end & P/S restored at Soro Grid end. On 18.06.2023 At 14:28 Hr 132 KV Soro- Chandipur Line was H/T at Soro Grid as per Instruction of SLDC,BBSR.	
			00:30	00:37	00:07	20MVA 132/33kV TRF No.II					
			00:30	00:37	00:07	40MVA 132/33kV TRF No.III					
78	Angul	19.06.23	01:16	01:51	00:35	132kV Angul - MCL ckt-II	Tripped on DP Relay,Fault loop-L1N,Fault current - 3.29KA, Fault abs. distance-5.941KM	MCL	10:12	Heavy rain and severe lighting	0.242935808
			01:16	14:46	13:30	132kV Angul - MCL ckt-I	Tripped on DP Relay,Fault loop-L1N,Fault current - 3.06KA, Fault abs. distance-5.438KM				
79	Podagada	19.06.23	01:22	20.06.23 00:54:00	23:52	132kV Podagada - Potangi feeder	Tripped on GR-A/B,A/R UNSUCCESSFUL, Trip Relay Optd,Distance Protection relay Optd , R-Ph fault , zone=1, PUT=81.67 ms,Trip time 80.01 ms, Dist= 23.03 KM, IL1= 1.069 KA, IL2= 52.98 A, IL3=66.79 A	Potangi	00:33	**Heavy Rain with Thunder. Charged after getting confirmation from Potangi GSS.**	0.001431325
80	Angul	19.06.23	01:25	01:38	00:13	132kV Angul - Chainpal feeder	Tripped on DP Relay,Fault loop-L1N,Fault current - 2.83KA, Fault abs. distance-7.42KM			Bad Weather, heavy thunder storm.Relay setting at TTPS end is problematic.	done
			01:25	02:35	01:10	132kV Chainpal - TTPS Ckt-II	Tripped at TTPS end only. DP Relay, Z3, Distance=40kM				
			01:26	13:44	12:18	132kV Angul - TTPS feeder	Tripped on DP Relay,Fault loop-L1N,Fault current - 9.917KA, Fault abs. distance-2.96KM				
81	Rairakhol	19.06.23	01:26	01:28	00:02	132kV Angul - Boinda feeder	THE FEEDER TRIPPED AT ANGUL GRID END	Rairakhol, Boinda	00:08	132 KV P/S AVAILED AT 01:28 . FROM BOINDA GRID END.	0.003473461
			01:29	01:35	00:06						
82	Jayanagar	19.06.23	01:32	01:47	00:15	132kV Jayanagar - Podagada feeder	B-N,Z-1,Dist-27Km,If-1.3KA	Akhusingh	00:17		0.001226945
			01:33	01:50	00:17	132kV Akhusingh - Rayagada feeder	Incoming failure				
83	Jayanagar	19.06.23	02:04	02:10	00:06	132kV Jayanagar - Railway feeder	B-N,Z-1,Dist-41Km,If-1.8KA	Jayanagar RTSS	00:06		0.001114356
84	Lapanga	19.06.23	10:43	12:31	01:48	132kV Lapanga - RTSS Rengali feeder	**At Lapanga end**:- R-PH-G, DIST-0.45KM, Z1, IL1-2.1KA	Rengali Traction	01:48	FIRE INSIDE GSS	0.0200584
85	Dhenkanal	20.06.23	08:53	09:03	00:10	132kV Dhenkanal - Khuntuni feeder	**At Dhenkanal end:**-B/U relay operated, Ia=87.99A, Ib=109.1A, Ic=775.1A, In=604.1A	Khuntuni Shree cement	00:10	The line test charged & it tripped immediately.The concerned authority was informed for line patrolling.	0.002717666
			09:03	12:16	03:13	132kV Dhenkanal - Khuntuni feeder	**At Dhenkanal end**:- B/U relay operated, Ia=93A, Ib=101A, Ic=982A, In=791A			After thorough patrolling by the concerned authority the line charged & it stood OK.	
86	Kesinga	20.06.23	13:20	13:25	00:05	132kV Kesinga - Khariar feeder	O/C	Khariar ,Kantabanji Kantabanji RTSS	00:05		0.003723689
			13:22	13:26	00:04	132kV Kantabanji - Khariar feeder	INCOMER SUPPLY FAILED FROM GSS KHARIAR END				
87	Akhusingh	20.06.23	15:01	15:09	00:08	132kV Akhusingh - Rayagada feeder	Incoming failure	Akhusingh	00:08		0.000577386
88	Podagada	20.06.23	15:02	15:09	00:07	132kV Podagada - Rayagada feeder	No indication in Control Pannel, GENERAL TRIP, Trip Relay Optd, R-Ph fault y-Phase fault, Zone- 1 , PUT=90 ms,Trip time 11 ms, Dist= 17.2 KM, IL1= 1.21KA, IL2= 1.23KA, IL3=0.15 KA			**Charged after getting confirmation from Rayagada GSS.**	**done**
89	Kantabanji	20.06.23	18:40	18:41	00:01	132kV Kantabanji - Railway feeder	Tripped on Overcurrent (line to line fault)	Kantabanji RTSS	00:01		5.33743E-05
90	Brajrajnagar	20.06.23	22:36	23:44	01:08	132kV Brajrajnagar - RTSS Kechhobahal feeder	D/P operated: DIRI_A, DIRI_B, RDI_B, DIRI_C, PU TOC A1, PU TOC C1, TRIP TOC A1, TRIP TOC C1, Ia=32.955A, Ic=34.119A	Brajrajnagar Kechhobahal RTSS	00:33 01:08	Weather condition: Heavy Lightning and rain	0.018658014
						132kV Budhipadar - Brajrajnagar feeder	Failure From Source, Zone 3, Rph, M/T operated			132kV Budhipadar Brajrajnagar tripped at Budhipadar end only along with 132kV RTSS Kechhobahal feeder.Weather condition: Heavy Lightning and rain.	
						132/33 KV TRF-I(NGEF)	Failure From Source				
						132/33 KV TRF-III(HHE)					
						132/33 KV TRF-IV(T & R)					
						132/33 KV TRF-V(NGEF)					
						132kV Brajrajnagar - Lakhanpur feeder					
91	Chandbali GIS	22.06.23	13:22	13:37	00:15	132kV Olaver - Chandbali ckt-I & II	Source Fail	Pattamundai, Olaver Chandbali, Rajnagar	00:16	PATTAMUNDAI GRID WAS AVAILING P/S FROM RAMCO END THROUGH KENDRAPARA RESERVE BUS.	0.01151845
			13:22	14:04	00:42	132kV Kendrapara - RAMCO ckt-II	**At Kendrapara end**:-No tripping **At RAMCO end**:- TRIPPED ON DP, ZONE-1, DIST.=38.21 KM, Ir=241.1A, Iy-160.4 ,Ib-377.3 A				
			13:22	13:38	00:16	132kV Pattamundai - Kendrapara feeder	**At Pattamundai end**:- No tripping **At RAMCO end**:- DP, Z-1, Dist-23.1km, Ia=1.81kA, Ib=0.14kA, Ic=0.35kA			Supply failed from Jajpur Road. Supply was availed from Paradeep end.	
			13:22	13:37	00:15	132kV Rajnagar - Pattamundai ckt-I	Source failure				
			13:22	13:37	00:15	132kV Rajnagar - Pattamundai ckt-II	Source failure				
			13:23	14:07	00:44	132kV Kendrapara - Chandikhol ckt-I	**At Kendrapara end**:- TRIPPED ON B/U E/F WITH M/R, Ir=2.525KA, Iy=8.677A, Ib=7.987A **At Chandikhol end**:-No tripping			LINE WAS IDLE CHARGED FROM CHANDIKHOLE END.	
			13:23	13:38	00:15	132kV Olaver - Pattamundai ckt-I & II	Incomer failed.				
92	Dhenkanal	22.06.23	11:59	12:55	00:56	132kV Dhenkanal - Khuntuni feeder	**At Dhenkanal end:**- DP relay operated, Z-2 Dist.=21.10km, Ia=3.118KA, Ib=301.2A, Ic=3.2KA **At Khuntuni end:**- DP relay operated, Z-1, Ia=300A, Ib=300A, Ic=300A	Khuntuni ,Shree Cement	00:10	The line test charged after getting confirmation from concerned authority & it stood OK.	0.002717666
93	Nuapatna	23.06.23	10:15	10:52	00:37	132kV Nuapatna- Banki feeder	Tripped with following indication at Nuapatna : Zone -1, Ir=1.341kA, Iy=1.352kA, ib=18.45A, Dist-2.791km	Nuapatna	00:27	Touching of tree branch to the conductor.	0.008669199
			10:15	10:46	00:31	132kV Nuapatna - Arati feeder	Tripped with folowing indication at Arati end: Zone-2, dist-74.94km, ir=1.273kA, ib=1.353kA, power supply failed at Nuapatna end, no breaker tripped at Nuapatna end			Power supply interrupted at grid S/S Nuapatna for 28 min	
94	Palasponga	23.06.23	17:09	17:21	00:12	132kV Palasponga - AMNS(ESSAR) feeder	Master trip relay, DP Relay: , Loc-22.5km, IL1=20.04KA,A,IL2=2.0KA,IL3=1.86KA,Distance pick up L12,L123-ON,Distance loop L1-2,L2-3,L3-1 ON,Power swing L2 L3 -ON,Distance trip 3P ON.	Essar Steel	00:12	O/C TRIP	0.002081526
95	Kuchinda	24.06.23	01:55	02:00	00:05	132kV Kuchinda - SMC feeder	132kv SMC(incoming) feeder tripped from Lapanga end	Kuchinda,SMC	00:05	power drawn from Rajgangpur end Via Kutra switching station.	0.001311453

			01:55	02:03	00:08	132/33kV TRF-I Feeder	tripped ph C, differential protection Ia=9.162A,Ib=33.02A, Ic=55.08A			132/33kv TRF-II Feeder supply failed	
96	Dhenkikote	24.06.23	13:41	13:46	00:05	132kV Dhenkikote - Karanjia feeder	Broken conducter, DP, Ia-49.79A Ib-63.60A,Ic-32.41A	Dhenkikote	00:05	Broken conducter	0.000519449
97	Rengali	24.06.23	16:07	25.06.23 16:17:00	24:10	220kV Rengali S/Y - Deogarh feeder	DP Relay Operated, Dist-45.75km, Zone-II, Tripped phase: ABC, IA=3.368kA, IB=52.80A, IC=141.2A	Deogarh ,Barkote	00:15	220kV R-ph LA burst at Deogarh Grid end. Weather condition heavy thunderstorm.	0.004028739
			16:10	16:25	00:15	220kV Bonai - Barkote feeder	SUPPLY FAIL FROM BARKOTE END (LA BRUST AT DEOGARH RENGALI FDR)			SUPPLY RESUME FRON TARKERA END	
98	Bolani	24.06.23	18:15	18:25	00:10	132kV Bolani - Arya feeder	Tripped due to E/F. .	Arya Steel	00:10		0.000319959
			18:11	18:18	00:07	132kV Barbil - Bolani feeder	Tripped due to master trip relay .				
99	Nuapada	24.06.23	23:46	23:51	00:05	132kV Nuapada - RTSS feeder	tripped on o/c	Nuapada RTSS	00:05		5.07813E-05
100	Brajrajnagar	25.06.23	03:17	05:44	02:27	132kV Brajrajnagar - RTSS Kechhobahal feeder	D/P operated: DIRI_A, RDI_A, DIRI_B, RDI_B, DIRI_C, RDI_C,PU_TOC_ A1, TRIP_TOC_A1, PU_TOC_ N1, TRIP_TOC_N1, Ia=27.548A, Ic=27.215A	Brajrajnagar Kechhobahal RTSS	00:18 02:27	Weather condition: Heavy Lightning and rain. After weather cleared from both side, the said feeder chaged and stood ok.	0.013522966
			03:17	03:35	00:18	132kV Budhipadar - Brajrajnagar feeder	B/U relay operated at Budhipadar end: E/F, Ir=0.07kA, Iy=0.06kA, Ib=0.006kA			132kV Budhipadar Brajrajnagar tripped at Budhipadar end only and 132kV Brajrajnagar Lakhanpur feeder tripped at Lakhanpur end along with 132kV RTSS Kechhobahal feeder.Weather condition: Heavy Lightning and rain.	
			03:17	04:17	01:00	132kV Brajrajnagar - Lakhanpur feeder	B/U relay operated at Lakhanpur end: M/T operated and R ph pick up.				
			03:17	03:35	00:18	132/33 KV TRF-I(NGEF)	FFS				
			03:17	03:35	00:18	132/33 KV TRF-III(HHE)					
			03:17	03:35	00:18	132/33 KV TRF-IV(T & R)					
			03:17	03:35	00:18	132/33 KV TRF-V(NGEF)					
			03:17	03:35	00:18	132kV Brajrajnagar - Jorabaga MCL Ckt-II					
101	Budhipadar	25.06.23	03:39	04:36	00:57	132kV Budhipadar - Jharsuguda Ckt-I	**At Jharsuguda end**:- B/U operated, E/F, Ir-592A, Ib-168A, Ic-137A	Jharsuguda	00:40	Weather:-Lightning & Rainy.	0.017207435
102	Tentulikhunti	26.06.23	14:20	14:38	00:18	132kV Jayanagar - Tentulikhunti ckt-I	Y-B fault	Tentulikhunti	00:18		0.002670012
			14:20	14:46	00:26	132kV Tentulikhunti - Nabarangpur feeder	Distance relay operated				
			14:20	14:49	00:29	132KV Tentulikhunti - Dabugaon feeder	**At Dabugaon end**:- Distance relay operated, 40.81 KM in Zone-2			DP Operated at both Dabugaon end .	
103	Jharsuguda	27.06.23	01:49	01:59	00:10	132kV Jharsuguda - Railway feeder	O/C Ryph, Ia=1.7 kA, Ib=1.7 kA	Jharsuguda Tr.	00:10		0.004301859
104	Tentulikhunti	27.06.23	17:56	18:41	00:45	132kV Jayanagar - Tentulikhunti ckt-I	Y-B fault	Tentulikhunti	00:45	Line patrolling was done and no fault found.	0.006675029
			17:56	19:25	01:29	132kV Tentulikhunti - Nabarangpur feeder	Distance relay operated				
			17:56	19:29	01:33	132KV Tentulikhunti - Dabugaon feeder	**At Dabugaon end**:- Distance relay operated, 40.71 KM in Zone-2			DP Operated at both Dabugaon end . Line patrolling was done and no fault found.	
105	Budhipadar	28.06.23	00:07	02:01	01:54	132kV Budhipadar - MSP feeder	B/U relay operated: O/C, Rph, Yph, Bph trip, IL1=7.1kA, IL2= 4.8kA, IL3=4.8kA	MSP	02:29		0.007600897
			02:23	02:35	00:12		E/F, IL1= 399.2A, IL2= 399.2A, IL3= 399A				
			02:37	03:00	00:23		B/U relay operated: O/C, Rph, Yph, Bph trip, IL1=399A, IL2= 0 A, IL3=0 A				
106	Brajrajnagar	28.06.23	08:05	08:28	00:23	132kV Brajrajnagar - Lakhanpur feeder	FFS	Brajrajnagar Kechhobahal RTSS	00:23 00:34	The feeder had failed simultaneously at Budhipadar end when 132 Budhipadar Brajrajnagar feeder was H/T	0.012596331
			08:05	08:52	00:47	132kV Brajrajnagar - Jorabaga MCL Ckt-II					
			08:05	08:39	00:34	132kV Brajrajnagar - RTSS Kechhobahal feeder					
107	Chhatrapur	29.06.23	09:10	09:12	00:02	132kV Chhatrapur - Rambha Traction feeder	Tripped on O/C(R,Y-Ph)with M/R,Ir=0.95KA,Iy=0.95ka	Rambha Traction	00:02		0.000139902
108	Dhenkanal	29.06.23	14:40	14:52	00:12	132kV Dhenkanal - Joranda Road Traction feeder	DP relay operated, Z-2, Dist.=17.35km, Ic=2.827KA	Joranda Road Traction	00:12	Line test charged & stood OK	0.001387226
			14:41	14:53	00:12	132kV Khajuriakata - Dhenkanal - Nuapatna T feeder	**At Khajuriakata end**:- Z-2,Bph,E/F,Ib-0.87KA,Dist-93.6KM				
109	Dhenkanal	29.06.23	17:20	18:38	01:18	132kV Dhenkanal - Joranda Road Traction feeder	DP relay operated, Z-2, Dist.=16.97km, Ic=2.87KA [one insulator disc punctured]	Joranda Road Traction	01:18	After thorough patrolling one insulator disc punctured found. The line charged & it stood OK.	0.00786095
			17:20	17:26	00:06	132kV Khajuriakata - Dhenkanal - Nuapatna T feeder	**At Khajuriakata end**:- Z-2, Bph, E/F, Ib-0.729KA, Dist-100.1KM				
110	Brajrajnagar	30.06.23	12:52	13:01	00:09	132kV Brajrajnagar - Lakhanpur feeder	FFS	Brajrajnagar Kechhobahal RTSS	00:10 00:17	132 kV Lakhanpur Brajrajnagar feeder failed from GSS Lakhanpur on E/F due to 33 kV OCPL feeder's fault while 132 kV Budhipadar-Brajrajnagar feeder was under L/C	0.005544168
			12:52	13:10	00:18	132kV Brajrajnagar - Jorabaga MCL Ckt-II					
			12:52	13:09	00:17	132kV Brajrajnagar - RTSS Kechhobahal feeder					
			12:52	13:02	00:10	132/33 KV TRF-I(NGEF)					
			12:52	13:07	00:15	132/33 KV TRF-III(HHE)					
			12:52	13:03	00:11	132/33 KV TRF-IV(T & R)					
			12:52	13:07	00:15	132/33 KV TRF-V(NGEF)					
111	Choudwar	30.06.23	18:18	19:42	01:24	132kV Choudwar – ICCL feeder	On field verification it was found that R phase wavetrap ICCL-Choudwar fdr was on fire due to snake fault.	Choudwar Choudwar Tr. ICCL, Salipur,OCL Mania	00:11 00:07 00:24	Entire Grid pulled out Snake fault in GSS, Choudwar	1.72776028
			18:18	18:29	00:11	132kV Choudwar – Bidanasi feeder					
			18:18	18:39	00:21	132kV Choudwar – TS Alloys feeder					
			18:18	20:04	01:46	132kV Salipur - ICCL feeder					
			18:18	20:04	01:46	132kV Salipur - OCL feeder					
			18:18	18:42	00:24	132kV ICCL - Mania feeder					
			18:18	18:42	00:24	132kV Mania - OCL feeder					
			18:18	18:28	00:10	132kV Kendrapara - Salipur feeder	**At Kendrapara end**:-TRIPPED ON M/R DUE TO INCOMING FAIL AT SALIPUR END. Ir=499 A,Iy=996.38 A, Ib=1.61 KA **At Salipur end**:- No tripping				
112	BC Mohanty	30.06.23	20:22	20:49	00:27	132kV BC Mohanty - RTSS Tomka feeder	E/F	RTSS Tomka	00:27		0.001966575

AUTO TRANSFORMER LOADING FOR THE MONTH OF JUNE'2023

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	108.96	21st Jun 2023	23:15	0.04	16th Jun 2023	10:45	
{Banki, Khurda, Chandpur & Argul}		108.80	21st Jun 2023	23:15	0.04	16th Jun 2023	10:45	
ASKA NEW	2x160	98.16	12th Jun 2023	19:45	28.24	3rd Jun 2023	16:00	
		97.28	12th Jun 2023	14:00	28.12	3rd Jun 2023	16:00	
BALASORE 220/132 KV	3x160	98.80	21st Jun 2023	20:15	31.72	13th Jun 2023	18:15	
{ Balasore, Birla Tyre(I), Ispat Alloy(I),		89.16	17th Jun 2023	14:15	31.64	13th Jun 2023	18:15	
Jaleswar, Jaleswar(T)}		97.40	21st Jun 2023	20:15	31.40	12th Jun 2023	18:30	
BAMRA 220/132/33KV	1x160							
BARGARH 220/132 kV	1x100	78.60	3rd Jun 2023	09:00	8.24	25th Jun 2023	05:15	
	1x160	49.04	3rd Jun 2023	09:15	4.56	25th Jun 2023	05:15	
BHADRAK 220/132 KV	1x100	50.32	18th Jun 2023	14:30	5.96	3rd Jun 2023	18:15	
{Bargarh, Ghensh}	1x160	84.88	18th Jun 2023	14:30	10.72	3rd Jun 2023	18:15	
	1x160	86.20	18th Jun 2023	14:30	10.88	3rd Jun 2023	18:15	
BHANJANAGAR 220/132 KV	1x160	89.32	2nd Jun 2023	19:30	26.72	19th Jun 2023	03:45	
{ Bhanjanagar, Aska, Phulbani,	1x160	78.68	2nd Jun 2023	19:30	23.40	19th Jun 2023	03:45	
BIDANASI 220/132 KV	1x100	65.08	16th Jun 2023	22:15	0.36	13th Jun 2023	03:45	
{Bidanasi, Khurda }	1x100	0.00	UNDER SHUTDOWN				00:00	
	1x160	97.20	17th Jun 2023	15:45	0.24	13th Jun 2023	03:45	
BOLANGIR (SADAIPALLI) 220/132 KV	3x160	79.92	18th Jun 2023	17:30	10.12	26th Jun 2023	12:30	
{ Bolangir, Patnagarh, Sonepur,		84.36	18th Jun 2023	17:30	11.76	29th Jun 2023	12:30	
		79.40	18th Jun 2023	18:00	10.16	26th Jun 2023	12:30	
BUDHIPADAR 220/132 KV	2x160	98.00	1st Jun 2023	15:00	36.96	25th Jun 2023	04:15	
{ Jharsuguda, Jharsuguda Tr,		59.72	22nd Jun 2023	15:45	22.16	25th Jun 2023	04:15	
CHANDAKA 220/132 KV	1x100	74.32	17th Jun 2023	15:15	2.12	17th Jun 2023	18:15	
{ Chandaka, Bhubaneswar, Nimapada,	1x160	128.04	17th Jun 2023	15:15	9.00	8th Jun 2023	17:15	
Ransinghpur, Puri,Kesura, Kaipadar	1x100	79.64	17th Jun 2023	15:15	5.32	8th Jun 2023	17:15	
Tr. }	1x160	123.96	17th Jun 2023	15:15	8.24	8th Jun 2023	17:15	
CUTTACK	1x160	76.56	12th Jun 2023	23:00	0.04	7th Jun 2023	07:45	
	1x100	46.92	12th Jun 2023	23:00	0.08	7th Jun 2023	09:00	
DUBURI 220/132 KV	1x160	77.16	7th Jun 2023	12:15	13.92	4th Jun 2023	18:45	
{Duburi, Bamnipal(I), BRPL, MESCO,	1x160	65.96	15th Jun 2023	10:45	13.16	4th Jun 2023	18:45	
Jajpur Road, Kalarangi, Jajpur Town}	1x160	46.72	7th Jun 2023	12:15	8.16	4th Jun 2023	18:45	
GODA	1x160							
	1x160							
Gunupur	1x160							
	1x160							
JAYAPATNA 220/132 KV.								
JAYANAGAR 220/132 KV.	1x160	8.86	30th Jun 2023	19:45	0.23	17th Jun 2023	16:15	
[Damanjodi(NALCO), Traction S/Ss,	1x160	66.68	13th Jun 2023	11:45	1.16	28th Jun 2023	14:45	
JODA 220/132 KV	1x160	74.00	21st Jun 2023	12:15	24.28	18th Jun 2023	21:30	*"*" - Alternate P/S*
{ Joda,Tensa, FAP(I), Bolani(I), Nalda	1x160	59.56	22nd Jun 2023	02:15	24.36	18th Jun 2023	21:30	*from Kuchei.*
*Tr.,Polasponga, *Rairangpur, Bhalulata*	1x160	61.00	21st Jun 2023	12:15	20.28	18th Jun 2023	21:30	
KAURMUNDA 220/132 KV	1x160							
KATAPALI 220/132 KV	1x100	30.84	19th Jun 2023	12:15	0.04	4th Jun 2023	00:15	*Supported by Burla*
{Chipilima,Bargarh, ACC,Sonepur &	1x100	30.76	19th Jun 2023	12:15	0.04	1st Jun 2023	01:15	*& Chipilima power.*
Katapali area load.}	1x160	46.32	19th Jun 2023	12:15	0.04	24th Jun 2023	18:15	
KESINGA	2x160	76.97	7th Jun 2023	19:00	16.83	12th Jun 2023	11:15	
		78.08	7th Jun 2023	19:00	17.55	12th Jun 2023	11:15	
LAPANGA	2x160	99.64	21st Jun 2023	15:45	17.48	25th Jun 2023	04:45	
{Kuchinda, Aryan Viraj, Shyam		99.48	21st Jun 2023	15:45	17.36	25th Jun 2023	04:45	
MERAMUNDALI 220/132 kV	3x100	47.64	4th Jun 2023	14:45	0.12	4th Jun 2023	22:00	
{Meramundali Traction, Dhenkanal,		46.80	4th Jun 2023	14:45	0.20	19th Jun 2023	01:30	
Navchrome(I), Hind Metal, Aarti,BRG}		42.08	4th Jun 2023	15:00	0.04	4th Jun 2023	20:00	
Mendhasal *{ Part area load of Khurda*	2x100	68.38	17th Jun 2023	15:15	0.67	19th Jun 2023	00:15	
S/S}		71.37	13th Jun 2023	22:15	0.24	19th Jun 2023	00:15	
NARENDRAPUR 220/132KV	2x160	103.84	2nd Jun 2023	13:30	0.04	16th Jun 2023	10:45	
{ Narendrapur, NarendrapurTr,		101.52	2nd Jun 2023	13:30	0.04	16th Jun 2023	10:45	
Berhampur, Chhatrapur, Ganjam,	1x100	57.12	2nd Jun 2023	13:30	0.04	16th Jun 2023	10:45	
PARDEEP 220/132 KV	1x100	72.76	17th Jun 2023	11:00	6.52	12th Jun 2023	21:00	
{ Paradeep, Kendrapada, Pattamundai,	1x160	117.32	20th Jun 2023	22:15	10.96	12th Jun 2023	21:00	
Chandikhol, Cuttack, Jagatsinghpur,	1x160	105.24	20th Jun 2023	22:00	10.92	12th Jun 2023	21:00	
Pratapsasan	1x160							
TARKERA 220/132 KV	1x100	64.04	19th Jun 2023	14:30	3.96	20th Jun 2023	19:30	
[Rourkela, Rourkela Tr.,RSP(I),	1x100	64.72	19th Jun 2023	14:30	12.20	12th Jun 2023	14:00	
Chhend , Adhunik Metal, Rajgangpur,	1x100	63.84	19th Jun 2023	14:30	11.36	12th Jun 2023	14:15	
OCL(I), Rajgangpur Tr.]	1x100	62.32	19th Jun 2023	14:30	11.68	12th Jun 2023	14:00	
THERUVALLI 220/132 KV.	1x100	55.92	3rd Jun 2023	09:30	10.68	17th Jun 2023	11:15	*Rayagada &*
{Theruvali, IMFAL(I), JK(I), Junagarh,	1x100	69.44	12th Jun 2023	16:30	0.04	2nd Jun 2023	12:30	*Paralakhemundi can be*
Kesinga,Powmex(I), Rayagada, }	1x160	51.20	3rd Jun 2023	15:30	0.04	2nd Jun 2023	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 JUNE-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 JUNE- 2023		
Sl. No	**Date**	**Details of event**
1	05-06-2023	At 20:43 hrs, 132kV SC line on DC tower(Two conductor) from 220/132/33kV Grid S/S, Gunupur to proposed RTSS at Palasingi along with 132kV feeder bay were extended at 220/132/33kV Grid S/S, Gunupur.
2	06-06-2023	At 14:06 hrs and 14:42 hrs, 132kV & 33kV Switchyard (01 No of 132kV Transformer Bay, 01 No of 132kV Bus Coupler Bay & 132/33kV 40MVA Power Transformer No-II along with 33kV temporary cable & 03 Nos of 33kV Bay) were charged at 220/132/33kV Grid S/S, Dhamra respectively.
3	22-06-2023	At 20:20 hrs, 132kV feeder Bay was extended at 132/33kV Bhawanipatna Grid S/S & 132kV 2 conductor SC line from 132/33kV Bhawanipatna Grid S/S to proposed RTSS of Bhwanipatna.
4	22-06-2023	At 20:04 hrs and 21:08 hrs, 132kV Budhipadar – Lakhanpur line & 132 KV Brajrajnagar – Jorabaga MCL line were charged respectively by making LILO arrangement from Loc. No-17 of existing 132kV Budhipadar-Jorabaga MCL Ckt-II & utilizing 132kV Brajrajnagar – Lakhanpur Ckt-II.
5	23-06-2023	At 14:34 hrs, 132kV Switchyard was charged at 132/33kV Grid S/S Bhatli along with 132/33kV 40MVA Power Transformer No-I and 132kV Bargarh New-Bhatli DC line.
6	28-06-2023	At 13:40 hrs, 8.92MW WHRS CGP Unit of M/S Shiva Cement Ltd. Kutra was synchronised with OPTCL Network through 132kV Shiva Cement line having connectivity from 132kV LILO Switching Station, Kutra.