

STATEMENT ON SYSTEM PERFORMANCE

(APRIL'22–JUNE'22)



ORISSA POWER TRANSMISSION CORPORATION LIMITED

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A. POWER SUPPLY SECURITY**Format-A1*****Load Restriction due to non availability of Generation***

Year	Quarter	Month	Total Hrs.	* Duration of restriction (in HRs.)	Percentage of time load restricted
1	2	3	4	5	6
2022-23	1st	APRIL	720	0.00	0.00
		MAY	744	0.00	0.00
		JUNE	720	0.00	0.00
Total			2184	0.00	0.00

* → SLDC is preparing the drawal schedule for discom considering the availability of power from all sources.
Load restriction is being done by the discom as and when required on rotation basis to curtail the demand.

Format-A2

Particulars of Generating Station which failed to meet forecasted requirement at the time of load restriction

(In relation to Format: A-1)

Year	Quarter	Month	Hour	Name of Generating Station	*Duration of failure to meet forecasted requirement (HRs.)			Quantum/ Percentage of Load Restriction Imposed
					Date	Time	Total	
1	2	3	4	5		6	7	8
2022-23	1st	APRIL	720	Unit-4 of OPGC (600MW) & Unit-3 of Kaniha (50MW)	11.04.22	22:00-23:00	01:00	(Max. 150MW)
				Unit-4 of OPGC (600MW) & Unit-3 of Kaniha (50MW)	12.04.22	22:00-23:00	01:00	(Max. 160MW)
				Unit-4 of OPGC (600MW) & Unit-3 of Kaniha (50MW)	13.04.22	22:00-23:00	01:00	(Max. 170MW)
				Unit-4 of OPGC (600MW) & Unit-3 of Kaniha (50MW)	16.04.22	16:00-16:30	00:30	(Max. 60MW)
				Unit-4 of OPGC (600MW) & Unit-3 of Kaniha (50MW)	17.04.22	05:00-05:30	00:30	(Max. 60MW)
				Unit-4 of OPGC (600MW) & Unit-3 of Kaniha (50MW)	18.04.22	05:00-05:30	00:30	(Max. 200MW)
				Unit-4 of OPGC (600MW) & Unit-3 of Kaniha (50MW)	19.04.22	05:00-05:30	00:30	(Max. 200MW)
				Unit-4 of OPGC (600MW) & Unit-3 of Kaniha (50MW)	20.04.22	19:00-19:30	00:30	(Max. 250MW)
				Unit-4 of OPGC (600MW) & Unit-3 of Kaniha (50MW)	21.04.22	05:00-05:30	00:30	(Max. 150MW)
				Unit-4 of OPGC (600MW) & Unit-3 of Kaniha (50MW)	23.04.22	05:00-05:30	00:30	(Max. 220MW)
				Unit-4 of OPGC (600MW) , Unit-3 of Kaniha (50MW) & NTPC Darlipalli Unit no -1(800MW)	24.04.22	21:00-21:30	00:30	(Max. 150MW)
				Unit-4 of OPGC (600MW) , Unit-3 of Kaniha (50MW) & NTPC Darlipalli Unit no -1(800MW)	25.04.22	22:00-22:30	00:30	(Max. 319MW)
				Unit-4 of OPGC (600MW) , Unit-3 of Kaniha (50MW) & NTPC Darlipalli Unit no -1(800MW)	26.04.22	22:00-22:30	00:30	(Max. 278MW)
				Unit-4 of OPGC (600MW) , Unit-3 of Kaniha (50MW) & NTPC Darlipalli Unit no -1(800MW)	27.04.22	02:00-02:30	00:30	(Max. 278MW)
				Unit-4 of OPGC (600MW) , Unit-3 of Kaniha (50MW) & NTPC Darlipalli Unit no -1(800MW)	28.04.22	02:00-02:30	00:30	(Max. 260MW)
				Unit-4 of OPGC (600MW) , Unit-3 of Kaniha (50MW) & NTPC Darlipalli Unit no -1(800MW)	29.04.22	02:00-02:30	00:30	(Max. 255MW)
				Unit-4 of OPGC (600MW) , Unit-3 of Kaniha (50MW) & NTPC Darlipalli Unit no -1(800MW)	30.04.22	22:00-22:30	00:30	(Max. 262MW)
	MAY	744		Unit-4 of OPGC (600MW) , Unit-3 of Kaniha (50MW) & NTPC Darlipalli Unit no -1(800MW)	01.05.22	22:00-22:30	00:30	(Max. 240MW)
				Unit-4 of OPGC (600MW) , Unit-3 of Kaniha (50MW) & NTPC Darlipalli Unit no -1(800MW)	02.05.22	23:00-23:30	00:30	(Max. 252MW)
				Unit-4 of OPGC (600MW) , Unit-3 of Kaniha (50MW) & NTPC Darlipalli Unit no -1(800MW)	03.05.22	01:00-01:30	00:30	(Max. 220MW)
				Unit-4 of OPGC (600MW) , Unit-3 of Kaniha (50MW) & NTPC Darlipalli Unit no -1(800MW)	04.05.22	01:00-01:30	00:30	(Max. 260MW)
				NTPC Darlipalli Unit no -1 (800MW)	05.05.22	05:00-05:30	00:30	(Max. 190MW)
	JUNE	720		-	-	-	-	-

*► — Load restriction imposed in the state on rotation basis to curtail the demand(During morning peak and evening peak hour).
(April-June)

*Particulars of demand curtailed and areas affected due to failure of Generating Station to meet forecasted requirement at the time of load restriction
(In relation to Format: A-1)*

Name of Gen. Station	Year	Quarter	Month	Hour	Duration of failure to meet forecasted requirement (HRs.)				L.R. Imposed in MW	Area / Consumer categories affected
					Date	From	To	Total		
1	2	3	4	5	6	7	8	9	10	11
-	2020-21	1st	APRIL	720	11.04.22	22:00-23:00		01:00	(Max. 150MW)	Load restriction imposed in the state on rotation basis to curtail the demand.
					12.04.22	22:00-23:00		01:00	(Max. 160MW)	
					13.04.22	22:00-23:00		01:00	(Max. 170MW)	
					16.04.22	16:00-16:30		00:30	(Max. 60MW)	
					17.04.22	05:00-05:30		00:30	(Max. 60MW)	
					18.04.22	05:00-05:30		00:30	(Max. 200MW)	
					19.04.22	05:00-05:30		00:30	(Max. 200MW)	
					20.04.22	19:00-19:30		00:30	(Max. 250MW)	
					21.04.22	05:00-05:30		00:30	(Max. 150MW)	
					23.04.22	05:00-05:30		00:30	(Max. 220MW)	
					24.04.22	21:00-21:30		00:30	(Max. 150MW)	
					25.04.22	22:00-22:30		00:30	(Max. 319MW)	
					26.04.22	22:00-22:30		00:30	(Max. 278MW)	
					27.04.22	02:00-02:30		00:30	(Max. 278MW)	
					28.04.22	02:00-02:30		00:30	(Max. 260MW)	
					29.04.22	02:00-02:30		00:30	(Max. 255MW)	
					30.04.22	22:00-22:30		00:30	(Max. 262MW)	
			MAY	744	01.05.22	22:00-22:30		00:30	(Max. 240MW)	
					02.05.22	23:00-23:30		00:30	(Max. 252MW)	
					03.05.22	01:00-01:30		00:30	(Max. 220MW)	
					04.05.22	01:00-01:30		00:30	(Max. 260MW)	
					05.05.22	05:00-05:30		00:30	(Max. 190MW)	
			JUNE	720	-	-	-	-	-	

* —▶ Load restriction imposed in the state on rotation basis to curtail the demand (During morning peak and evening peak hour).

B. TRANSMISSION SECURITY

Format-B1

***Load Restriction due to non availability of Transmission Capacity, (Percentage of time)
(even though Generation was available)***

Year	Quarter	Month	Total Hrs. of the month	Duration of restriction (in Hrs.)	Percentage of time load restricted [=(5/4) *100]
1	2	3	4	5	6
2022-23	1st	APRIL	720	0.00	0.00
		MAY	744	0.00	0.00
		JUNE	720	0.00	0.00
Total			2184	0.00	0.00

* → Parital Load Restriction

B. TRANSMISSION SECURITY**Format-B2**

Rescheduling of Generation due to non availability of Transmission Capacity, (Percentage of time)
(even though load restriction was not required)

Year	Quarter	Month	Total Hrs.	Duration of Generation rescheduled (HRs.)	Percentage of time Gen.rescheduled [=(5/4) *100]
1	2	3	4	5	6
2022-23	1st	APRIL	720	-	-
		MAY	744	-	-
		JUNE	720	-	-
Total			2184	NIL	NIL

Particulars of Transmission elements not available resulting in loss of Transmission capacity and Grid Sub-stations affected.

Sl. No.	Substation	Date	From	To	Duration	Transmission element (Line / Tfr. / CB etc.)not available	Reason for non-availability of Transmission element (schedule maintenance outage / forced outage*)with details	Grid Sub-stations affected (it can be more than one)	Interruption time (Hr. Min.)	Extent of Generation Rescheduling required MW rescheduled or estimated capacity restriction affected	Time: This should match with hours of non-availability in a month in Format B-2 as the case may be	Energy lost in MU	Area affected	Feeders affected
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Khariar	01.04.22	10:05	10:11	00:06	132 kV Kesinga-Khariar fdr	Tripped from Kesinga on Circuit Overloading	Khariar, Kantabanji, Kantabanji Tr.	00:06	-	-	0.004746	-	-
2	Nuapada	01.04.22	10:07	10:14	00:07	132 kV Nuapada- Khariar line	Tripped due to O/C	Nuapada, Nuapada Tr.	00:07	-	-	0.002196	-	-
3	Polasponga	01.04.22	17:10	17:13	00:03	132 kV RTSS-KJR Feeder	Back up relay- O/C (R PH), Ia=240.0A, Ib=181.9A, Ic=66.9A,Inm = 7.12A, Ind=6.05A	Keonjhar Tr.	00:03	-	-	0.000244	-	-
4	Chhend	01.04.22	19:54	19:56	00:02	132 kV Nuagaon traction	Chhend End:- Tripped on O/C, (R-ph, Y-Ph) IL1-0.17 KA,IL2-0.16 KA,IL3-0.00 KA,.	Nuagaon tr.	00:04	-	-	0.000234	-	-
			21:04	21:06	00:02		Chhend End:- Tripped on O/C, (R-ph, Y-Ph) IL1-0.17 KA,IL2-0.16 KA,IL3-0.00 KA,.							
5	Tusura	02.04.22	02:02	02:06	00:04	132 kV Tusura-Saintala fdr	E/F, Ia=1.5kA, In=1.4kA	Saintala	00:04	-	-	0.000107	-	-
6	Chhend	02.04.22	10:07	10:09	00:02	132 kV Nuagaon traction	Chhend End:- Tripped on O/C, (R-ph, Y-Ph) IL1-0.17 KA,IL2-0.16 KA,IL3-0.00 KA,.	Nuagaon tr.	00:02	-	-	0.000117	-	-
7	Rajgangpur	02.04.22	13:48	13:56	00:08	132 kV Rajgangpur- Kuchinda fdr	BGT, IR-198A, IY-1192, IB-64A, IG-965 LOC 76.36 Zone-2 [Lighting and rainfall]	-	-	-	-	-	-	-
8	Tarkera	02.04.22	16:44	17:19	00:35	132 kV Tarkera- Chhend ckt-I	O/C R-ph & MT [132KV SIDE R PHASE CT OF TRANSFORMER-1 GOT BURST AT CHHEND END]	Chhend Nuagaon Tr. Adhunik Metallic SriGanesh	00:35	-	-	0.040072	-	-
			16:44	17:19	00:35	132 kV Tarkera- Chhend ckt-II								
9	Rajgangpur	03.04.22	13:16	13:28	00:12	132 kV Rajgangpur- Kuchinda fdr	O/C E/F, Y-N, If=1.76kA	-	-	-	-	-	-	-
10	Therubali	03.04.22	16:04	16:20	00:16	220 kV Therubali-Narendrapur Ckt-II	Local End:- C-G, Zone-1, Dist-44.3km, Ia=35A, Ib=89.5A, Ic=2.48kA Remote End:- C-G, Zone-2, Dist-138.4km, Ia=74A, Ib=76A, Ic=872A	-	-	-	-	-	-	-
11	Tarkera	03.04.22	16:47	18:11	01:24	220 kV Tarkera- Budhipadar ckt-I	Local End:- DP: Zone-1, Loop=L3-E, IL3= 8.88kA, Dist= 7.4km, %Dist= 6.7%, Master Trip Remote End:- DP: Zone-2, LOOP=B-E, ILb= 1.71kA, Dist= 96.4km, %Dist= 87.7%, Master Trip	-	-	-	-	-	-	-
12	Polasponga	03.04.22	21:38	21:41	00:03	132KV RTSS-KJR Feeder	Back up relay- E/F , Ia=202.7A, Ib=28.65A, Ic=65.19A,Inm = 125.2A, Ind= 128.1A	Keonjhar Tr.	01:25	-	-	0.006927	-	-

Particulars of Transmission elements not available resulting in loss of Transmission capacity and Grid Sub-stations affected.

Sl. No.	Substation	Date	From	To	Duration	Transmission element (Line / Tfr. / CB etc.)not available	Reason for non-availability of Transmission element (schedule maintenance outage / forced outage*)with details	Grid Sub-stations affected (it can be more than one)	Interruption time (Hr. Min.)	Extent of Generation Rescheduling required		Energy lost in MU	Area affected	Feeders affected
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
			21:41	21:54	00:13		Back up relay- E/F , Ia=145.2A, Ib=5.846A, Ic=12.48A,Inm = 133.4A, Ind= 138.4A			-	-		-	-
			21:54	23:03	01:09		Back up relay- E/F with DP Z-1 & SOTF, Ia=202.3A, Ib=55.61A, Ic=2.458A, Fault zone none							
13	Polasponga	04.04.22	13:40	14:08	00:28	132KV RTSS-KJR Feeder	Back up relay- E/F , Ia=132.6A, Ib=4.255A, Ic=13.76A,Inm = 125.4A, Ind= 126.1A	Keonjhar Tr.	00:33	-	-	0.002689	-	-
			19:56	20:01	00:05		Back up relay- E/F , Ia=227.4A, Ib=84.34A, Ic=14.96A,Inm = 136.8A, Ind= 138.6A			-	-		-	-
14	Tarkera	04.04.22	17:32	15.04.22 23:00:00	269:28	220 kV Tarkera- Rengali ckt-II	SPS	-	-	-	-	-	-	-
15	Jayapatna	05.04.22	15:22	15:47	00:25	220kV Jayapatna- Indravati fdr	Jayapatna End:- B-ph to E/F, Zone-1, Dist-9.08km, If=1.347kA	-	-	-	-	-	-	-
16	Chhend	06.04.22	10:23	10:27	00:04	133 kV Nuagaon traction	Chhend End:- Tripped on O/C, (R-ph, Y-Ph) IL1-0.22 KA,IL2-0.22 KA,IL3-0.00 KA. Master Trip 86B & Back-up relay operated	Nuagaon tr.	00:04	-	-	0.000234	-	-
17	Jayanagar	06.04.22	13:52	14:27	00:35	132kV Jayanagar- Machkund fdr	Tripped	-	-	-	-	-	-	-
18	Jayanagar	06.04.22	14:44	15:28	00:44	220kV Jayanagar- Jeypore PG ckt-II	Jayanagar End:- B-ph to E/F, Zone-1, Dist-5.5km, If=10.1kA	-	-	-	-	-	-	-
19	Mania	06.04.22	10:16	13:17	03:01	132 kV OCL- Mania	No relay indication at both ends	OCL	00:08	-	-	0.000684	-	-
20	Samangara	06.04.22	18:36	07.04.22 15:14:00	20:38	132 kV Samangara-RTSS Malatipatapur fdr	Tripped on D/P,Zone-I,FL-L3-E,Dist-3.884 KM,IL1-14.46 A & IL3-2.90 KA [B-ph jumper at Loc 16 snapped]	Malatipatapur Tr.	23:08	-	-	0.041007	-	-
			07.04.22	15:14	17:44		Tripped on SOTF,D/P,Zone-II,FL-L3-E,Dist-5.310 KM,IL1-0.0 A & IL3-2.317 KA [failure of LA at RTSS end]			-	-		-	-
21	Nimapara	06.04.22	18:38	18:38	00:00	132 kV Nimapara-Samangara Fdr	Z2, B-Ph to E/F, Dist-34.46km, Ia-672.3A, Ib-787.3A, Ic-2.179kA	-	-	-	-	-	-	-
22	Akhusingh	07.04.22	08:07	08:20	00:13	132kV Akhusingh- Rayagada	I/C failure	-	-	-	-	-	-	-
23	Jayanagar	07.04.22	08:07	08:16	00:09	132kV Podagada	Y-E, Zone-2, Dist-51km, If=1.07kA	-	-	-	-	-	-	-
24	Chandikhole	07.04.22	08:16	11:47	03:31	132 kV Chandikhole-Jajpur Road Ckt-1	At Chandikhhol-DP operated. B-Ph, 30km, Zn-2	Chandikhole	00:04	-	-	0.001289	-	-
25	Polasponga	07.04.22	09:32	09:41	00:09	132KV RTSS-KJR Feeder	Back up relay- E/F , Ia=168.3A, Ib=43.96A, Ic=14.4A,Inm = 134.48A, Ind= 136.8A	Keonjhar Tr.	00:09	-	-	0.000733	-	-

Particulars of Transmission elements not available resulting in loss of Transmission capacity and Grid Sub-stations affected.

Sl. No.	Substation	Date	From	To	Duration	Transmission element (Line / Tfr. / CB etc.)not available	Reason for non-availability of Transmission element (schedule maintenance outage / forced outage*)with details	Grid Sub-stations affected (it can be more than one)	Interruption time (Hr. Min.)	Extent of Generation Rescheduling required MW rescheduled or estimated capacity restriction affected	Time: This should match with hours of non-availability in a month in Format B-2 as the case may be	Energy lost in MU	Area affected	Feeders affected
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
26	Mania	07.04.22	11:20	11:30	00:10	132 kV OCL- Mania	No relay indication at both ends	-	-	-	-	-	-	-
27	Nimapara	07.04.22	15:12	15:12	00:00	132 kV Nimapara-Samangara Fdr	Z3, B-Ph to E/F, Dist-36.47km, Ia-633.6A, Ib-750A, Ic-2.054kA	-	-	-	-	-	-	-
28	Meramundali	07.04.22	17:10	18:09	00:59	220kV Meramundali- Goda fdr	Meramundali End :- Y-ph to E/F, DP, Zone-1, If=338.1A	-	-	-	-	-	-	-
29	Rairakhol	07.04.22	17:46	17:52	00:06	132 kV Rairakhol- Boinda fdr	Tripped at Boinda grid end only on B/U protection, Earth Fault	Rairakhol, Rairakhol Tr. & Boinda, Boinda Tr.	00:06	-	-	0.002472	-	-
30	Khariar	07.04.22	23:51	23:56	00:05	132 kV Khariar-Kantabanji fdr	Circuit Overloading	Kantabanji, Kantabanji Tr.	00:05	-	-	0.001221	-	-
31	Chandbali	08.04.22	09:25	13:27	04:02	132kV Olaver -Chandbali ckt-I & II	Source Fail	Chandbali	04:02	-	-	0.026795	-	-
32	Rourkela	08.04.22	11:29	11:35	00:06	132 kV Rourkela- BKSteel	DP & MT relay indication, DP relay details:-loc=33.13 km,zone-1, event =ABT, Fault current details:-IA=2806A, IB=2875A, IC=32A, IN=0A [heavy lightening occurred at BKSteel end]	Bhalulata Tr. BKSteel	01:56:00 00:15	-	-	0.015983	-	-
			17:05	17:10	00:05		DP & MT relay indication, DP relay details:- loc=31.69km, zone-1, event =ABT, Fault current details:-IA=3015A, IB=3140A, IC=31A, IG=269A [heavy lightening]							
			17:35	19:20	01:45		DP & MT relay indication, DP relay details:-loc=48.41km, zone-1, event =CAT, Fault current details:-IA=2293A, IB=49A, IC=2452A, IN=0A, IG=119.3A							
33	Soro	08.04.22	11:47	14:57	03:10	132 kV Soro- Bhadrak fdr	Soro end :- DP operated. Zone-I, Dist-18.306 km, Fault Current:- Ia-0.23kA, Ib-1.42kA, Ic-0.6kA, In-1.46kA Bhadrak end :- DP operated. Zone-I, Dist-19.57 km, Fault Current:- Ia-0.018kA, Ib-2.822kA, Ic-0.049kA, In-1.58kA	-	-	-	-	-	-	-
34	Bhanjanagar	08.04.22	11:48	11:56	00:08	220 kV Therubali-Bhanjanagar Ckt-I	Bhanjanagar End :- AN, Zone-1,Dist= 54.41km, IA-1.9 kA Therubali End - AN, Zone-1 ,Dist= 116.7 km, IA-1.36 kA	-	-	-	-	-	-	-

Particulars of Transmission elements not available resulting in loss of Transmission capacity and Grid Sub-stations affected.

Sl. No.	Substation	Date	From	To	Duration	Transmission element (Line / Tfr. / CB etc.)not available	Reason for non-availability of Transmission element (schedule maintenance outage / forced outage*)with details	Grid Sub-stations affected (it can be more than one)	Interruption time (Hr. Min.)	Extent of Generation Rescheduling required		Energy lost in MU	Area affected	Feeders affected
										MW rescheduled or estimated capacity restriction affected	Time: This should match with hours of non-availability in a month in Format B-2 as the case may be			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
35	Joda	09.04.22	12:37	13:13	00:36	220 kV Joda- Ramchandrapur fdr	Tripped at Ramchandrapur end . Joda End:- B/U relay tripped, O/C, Ia=0.62kA, Ib=0.65kA, Ic=0.64kA	-	-	-	-	-	-	-
36	Meramundali	09.04.22	17:02	18:03	01:01	400kV Meramundali- JSPL ckt-II	JSPL end:- B-ph to E/F, Ib=6.7kA	-	-	-	-	-	-	-
37	Kharagprasad	09.04.22	18:07	18:38	00:31	132 kV Kharagprasad-MGM	O/C &E/F	MGM	00:31	-	-	0.000113	-	-
			18:07	18:14	00:07	132 kV Meramundali ckt-II								
38	Chainpal	09.04.22	18:10	18:33	00:23	132 kV Chainpal-FCI-TFL-GLOBAL	E/F,O/C Y & b Phase	-	-	-	-	-	-	-
39	Jaleswar	10.04.22	06:41	07:19	00:38	132 kV Jaleswar-Kuchei fdr	Tripped from both end	-	-	-	-	-	-	-
40	Tarkera	10.04.22	12:27	16:12	03:45	220 kV Tarkera-RSP ckt-IV	Local End:- Differential relay(87L) optd, R-ph trip ,BRC FAIL ,INTER TRIP,ILR=0.83kA & MT Remote End:- Differential relay(87L) optd., R-ph trip,Inter trip, ILR=500A, Dist=31km & MT	-	-	-	-	-	-	-
41	Chainpal	10.04.22	12:47	13:05	00:18	132 kV Chainpal-FCI-TFL-GLOBAL	E/F,O/C-B phase	TFL GLOBAL HEAVY WATER	00:18	-	-	7.35E-06	-	-
42	Mendhasal	10.04.22	13:49	17:43	03:54	400 kV Mendhasal- Meramundali ckt-II	Meramundali End:- DP, Zone-1,R-E, Dist-25.1km, If=5.65kA	-	-	-	-	-	-	-
43	Sambalpur	10.04.22	14:40	15:15	00:35	132 kV Sambalpur-Katapali Feeder	Local End:- DP operated, Z1, 'B' ph P/U,Dist- 13.57Km, Ia= 326.037A, Ib=235.189A,Ic=2782.246A, Ig=2233.531A Remote End:- DP operated, Z1, 'B' ph P/U, Dist-11.46Km, Ic=4.8KA	-	-	-	-	-	-	-
44	Polasponga	10.04.22	17:18	17:21	00:03	132KV RTSS-KJR Feeder	Back up relay- O/C (R PH), Ia=240.1A, Ib=236A, Ic=4.028A,Inm = 0.00A, Ind=0.00A	Keonjhar Tr.	00:03	-	-	0.000244	-	-
45	Paradeep	11.04.22	04:49	05:13	00:24	132 kV RTSS Siju	O/C R Y B PH ,E/F AND M/R	Siju RTSS	00:24	-	-	0.001579	-	-
46	Dhenkanal	11.04.22	09:50	11.04.22	00:35	132kV Dhenkanal-Meramundali fdr	Power supply fail from Meramundali grid.	-	-	-	-	-	-	-
47	Chainpal	11.04.22	09:51	20:50	10:59	132 kV Chainpal-Meramundali ckt-II	Meramundali End:- DP, Zone-1,B-E, Dist-0.23km, If=13.3kA	Khajuriakata Kharagprasad NBVL MGM SGEL Meramundali Tr.	00:22	-	-	0.00755	-	-
			09:51	12:24	02:33	132 kV Chainpal-Meramundali ckt-I	Meramundali End:- DP, Zone-1,B-E, Dist-3.5km, If=804A		00:33					
			09:51	10:23	00:32	132 kV Khajuriakata-Meramundali Line	Meramundali End:- E/F, B-ph							
			09:51	10:25	00:34	132 kV Kharagprasad-Meramundali ckt-II	O/C &E/F							
			09:52	10:25	00:33	132 kV Kharagprasad-Meramundali ckt-I	Station failed from Mrdl grid end.							
			09:52	10:25	00:33	132 kV Kharagprasad-NBVL ckt-I								

Particulars of Transmission elements not available resulting in loss of Transmission capacity and Grid Sub-stations affected.

Particulars of Transmission elements not available resulting in loss of Transmission capacity and Grid Stations affected.														
Sl. No.	Substation	Date	From	To	Duration	Transmission element (Line / Tfr. / CB etc.)not available	Reason for non-availability of Transmission element (schedule maintenance outage / forced outage*)with details	Grid Sub-stations affected (it can be more than one)	Interruption time (Hr. Min.)	Extent of Generation Rescheduling required		Energy lost in MU	Area affected	Feeders affected
										MW rescheduled or estimated capacity restriction affected	Time: This should match with hours of non-availability in a month in Format B-2 as the case may be			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
			09:52	10:25	00:33	132 kV Kharagprasad-NBVL ckt-II								
			09:52	10:25	00:33	132 kV Kharagprasad-MGM								
			09:52	10:25	00:33	132 kV Kharagprasad-SGEL								
			09:52	10:25	00:33	132 kV Kharagprasad-Meramundali RTSS								
48	Barpali	11.04.22	13:30	13:41	00:11	132KV Bolangir feeder	DP relay details at Bolangir New End:- (1) IA=264.7A, IB=5.234KA, IC=216.8A (2) Trip Zone-I (3) Fault distance	Barpalli Dunguripali Tr.	00:11	-	-	0.007294	-	-
			13:30	13:41	00:11	132kV Dunguripali Tr. Fdr								
			13:30	13:41	00:11	132KV Bolangir New-Barpali feeder								
49	Chainpal	11.04.22	15:16	15:46	00:30	132 kV Chainpal-Meramundali ckt-I	O/C	-	-	-	-	-	-	-
50	Polasponga	11.04.22	18:18	18:25	00:07	132KV RTSS-KJR Feeder	Back up relay- E/F , Ia=189.0A, Ib=52.45A, Ic=14.63A,Inm = 127.81A, Ind= 129.8A	Keonjhar Tr.	00:07	-	-	0.00057	-	-
51	Dhenkanal	11.04.22	09:50	11.04.22 10:14:00	00:24	132kV Dhenkanal- Khuntuni fdr	Power supply fail from Meramundali grid	Dhenkanal Nerbheram Joranda Tr. Khuntuni	00:12	-	-	0.016575	-	-
			09:50	11.04.22 10:14:00	00:24	132 kV Dhenkanal-Joranda Road traction fdr			00:24					
52	Polasponga	12.04.22	08:42	08:46	00:04	132KV RTSS-KJR Feeder	Back up relay- O/C (R PH), Ia=245.6A, Ib=241.9A, Ic=4.14A,Inm = 0.00A, Ind=0.00A	Keonjhar Tr.	00:04	-	-	0.000326	-	-
53	Kalunga	12.04.22	17:10	19:52	02:42	132 kV Kalunga- Budhipadar	Local End:- DP,Tripped Phase- R-Y, Zone- 1, Fault location- 17.09 km, Fault duration- 56.79 ms, Ir-4.069 KA, ly- 4.149 KA, Ib-69.74 A Remote End:- Fault Location:93.939 km, L1-L2, IL1: 1.543 KA, IL2: 1.457 KA [Due to ignition of fire near loc no 19 & 20 by local villagers]	-	-	-	-	-	-	-
54	TTPS	12.04.22	17:19	20:34	03:15	220kV TTPS- Kaniha fdr	TTPS End:- DP, Zone-1, B-E, Dist- 22.33km, If=5.64kA	-	-	-	-	-	-	-
55	Tarkera	13.04.22	13:08	15:03	01:55	220 kV Tarkera- Budhipadar ckt-II	Local End:- DP: Zone-1, LOOP=L3-N, IL3= 6.66kA,IN=7kA, Dist= 14.3km, %Dist= 13.03%, Master Trip Remote End:- DP: Zone-1, LOOP=L3-E, IL3= 2.41kA, Dist= 81.6km, Master Trip							

Particulars of Transmission elements not available resulting in loss of Transmission capacity and Grid Sub-stations affected.

Sl. No.	Substation	Date	From	To	Duration	Transmission element (Line / Tfr. / CB etc.)not available	Reason for non-availability of Transmission element (schedule maintenance outage / forced outage*)with details	Grid Sub-stations affected (it can be more than one)	Interruption time (Hr. Min.)	Extent of Generation Rescheduling required MW rescheduled or estimated capacity restriction affected	Time: This should match with hours of non-availability in a month in Format B-2 as the case may be	Energy lost in MU	Area affected	Feeders affected
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
			18:11	20:33	02:22	132 kV Tarkera- Rajgangpur ckt-I	Local End:- DP: Zone-1, LOOP=A_G_T, ILA= 14.1kA, IG=14.72kA, Dist= 1.09km, Master Trip Remote End:- DP: Zone-1, LOOP=A_G_T, ILA= 1.6kA, IG=1.5kA, Dist= 25.18km, Master Trip [Lighting and rainfall]	-	-	-	-	-	-	-
56	Rourkela	13.04.22	18:54	19:19	00:25	132 kV Rourkela- BKSteel	DP & MT relay indication, DP relay details:-loc=32.92km, zone-1, event =CAT, Fault current details:-IA=161A, IB=2520A, IC=36A, IN=0A,IG=2378A	Bhalulata RTSS,BKSteel	00:25	-	-	0.003455	-	-
57	Joda	13.04.22	20:19	20:32	00:13	220 kV SMPL fdr	Tripped with O/C& E/F relay indication	SMPL	00:13	-	-	0.000114	-	-
58	Mendhasal	14.04.22	12:23	16:54	04:31	400 kV Mendhasal- Meramundali ckt-II	Main 1 DP relay, R phase =3.66KA, Dist=120.6km Main 2 dp relay R phase= 3.67KA, Dist=125.2km	-	-	-	-	-	-	-
59	Therubali	14.04.22	12:55	13:35	00:40	220 kV Therubali-U.Kolab	Local End:- CN, Zone-1, Dist-31.3km, Ia=49.85 A, Ib=49.28 A, Ic= 2.93kA Remote End:- CN, Zone-2, Dist-0 km, Ic=1.023kA	-	-	-	-	-	-	-
			12:55	13:12	00:17	220 kV Therubali-Indavati Ckt-II	Back-up relay Operated. Ia= 93A, Ib= 105 A, Ic= 500 A.							
			12:55	13:14	00:19	220 kV Therubali-Gunpur Ckt	Back-up relay Operated. CGT, 186 A, 186 B, Ia= 66.3A, Ib= 74.7 A, Ic= 224.1 A							
			12:05	13:09	01:04	100 MVA AUTO-2	86 & 64SX.							
			12:55	13:31	00:36	220 kV Therubali-Laxmipur Ckt-I	Local End:- No tripping Remote End:- No indication							
			12:55	13:32	00:37	220 kV Therubali-Laxmipur Ckt-II	Local End:- No tripping Remote End:- RYB E/F. Ia= 41.86 A, Ib= 41.55 A, Ic= 32.33 A							
60	Mania	14.04.22	18:10 20:59	18:15 21:15	00:05 00:16	132 kV OCL- Mania	No relay indication at both ends	-	-	-	-	-	-	-
61	Chandpur	14.04.22	22:54	23:04	00:10	132 kV Chandpur-Balugaon	Chandpur end:- Y-Bphase, Zone-1, 86A operated, distance-9.8km. IL1=0.01kA, IL2=0.01kA, IL3=1.96kA [tripped due to touches of tree branches.]	-	-	-	-	-	-	-

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Sl. No.	Substation	Date	From	To	Duration	Transmission element (Line / Tfr. / CB etc.)not available	Reason for non-availability of Transmission element (schedule maintenance outage / forced outage*)with details	Grid Sub-stations affected (it can be more than one)	Interruption time (Hr. Min.)	Extent of Generation Rescheduling required		Energy lost in MU	Area affected	Feeders affected	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	
62	Mendhasal	15.04.22	10:44	16:41	05:57	400 kV Mendhasal- Meramundali ckt-II	Main 1 DP relay, R phase =3.83kA, Dist=76.1km Main 2 DP relay R phase= 3.837kA, Dist=78.4km	-	-	-	-	-	-	-	
63	Chainpal	15.04.22	11:37	11:40	00:03	132 kV Chainpal-Angul	O/C Y & B Phase	-	-	-	-	-	-	-	
			11:40	13:14	01:34	132 kV Angul-MCL-II	Tripped on DP Relay.Fault loop-L2L3, Fault current L2 =4.685KA, L3=4.515KA, Fault abs. distance- 5.59KM								
64	Kesinga	15.04.22	18:26	18:48	00:22	220KV Bolangir New-Kesinga feeder	DP relay details at Bolangir New end:- (1) IA=181.6A IB=414.9A IC=1.705kA	-	-	-	-	-	-	-	
			18:26	18:48	00:22	220KV Bolangir PG- Kesinga feeder									
65	Polasponga	16.04.22	06:52	06:55	00:03	132KV RTSS-KJR Feeder	Back up relay- O/C (R PH), Ia=239.7A, Ib=235.8A, Ic=4.73A,Inm = 0.00A, Ind=0.00A	Keonjhar Tr.	00:03	-	-	0.000244	-	-	
66	Kesinga	16.04.22	10:37	11:12	00:35	220kV Kesinga- Bolangir PG	DT operated	Kesinga Kesinga Tr. POWMEX Bhawanipatna Laniigarh Tr.	00:05 00:04	-	-	0.004975	-	-	
			11:12	13:44	02:32		Tripped immediately on carrier tripping								
			10:42	10:46	00:04		132 kV Kesinga-Bhawanipatna								Tripped
			10:42	10:47	00:05		132 kV Kesinga-Khariar fdr								Circuit Overloading
67	Tarkera	16.04.22	12:56	13:46	00:50	220 kV Tarkera- Rengali ckt-II	SPS	-	-	-	-	-	-	-	
			12:56	13:45	00:49		220 kV Tarkera- Bonai								
68	TTPS	16.04.22	13:49	14:42	00:53	220kV Rengali- TTPS fdr	Rengali End:- B-ph to E/F, Dist- 48.47km, If=1.95kA TTPS End:- Dist-11.7km, If=6.5kA	-	-	-	-	-	-	-	
69	Tarkera	16.04.22	14:22	22:19	07:57	220 kV Tarkera- Bonai	SPS	-	-	-	-	-	-	-	
			14:22	22:19	07:57		220 kV Tarkera- Rengali								
70	Umerkote	16.04.22	14:53	15:07	00:14	132 kV Dabugaon- Umerkote fdr	incomer tripped from Dabugaon S/S End DP, Distance-3.4km, Zone-1	Umerkote	00:14	-	-	0.005282	-	-	
71	Balasore	16.04.22	17:23	17:48	00:25	220KV Balasore-PGCIL Ckt-I	Balasore end:- Main-I: A-N, Z-I, A/R OPTD, 48.73Km, Ia-2.250KA, Ib-165.5A, Ic-305.2A Main-II: A-N, Z-I, 48.35Km, A/R OPTD, Ia-2.243KA, Ib-178.2A, Ic-305.3A Kuchel end:- Main-I: R-G, 25.02Km, Ia-4.988KA. Main-II : R-G, Z-1, 25.12Km, If= 4.849kA [heavy lightning & strong wind]	-	-	-	-	-	-	-	

Particulars of Transmission elements not available resulting in loss of Transmission capacity and Grid Sub-stations affected.

Sl. No.	Substation	Date	From	To	Duration	Transmission element (Line / Tfr. / CB etc.)not available	Reason for non-availability of Transmission element (schedule maintenance outage / forced outage*)with details	Grid Sub-stations affected (it can be more than one)	Interruption time (Hr. Min.)	Extent of Generation Rescheduling required		Energy lost in MU	Area affected	Feeders affected
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
72	Polasponga	17.04.22	01:27	01:30	00:03	132KV RTSS-KJR Feeder	Back up relay- O/C (R PH), Ia=239.7A, Ib=235.7A, Ic=4.214A,Inm = 0.00A, Ind=0.00A	Keonjhar Tr.	00:03	-	-	0.000244	-	-
73	Barpali	17.04.22	14:18	14:41	00:23	132KV Bolangir New-Barpali feeder	DP relay details at Bolangir New End:- (1) IA=278.3A, IB=7.014kA, IC=6.665kA (2) Trip Zone-I (3) Fault distance 5.058km	Barpali Dunguripali Tr.	00:23	-	-	0.015251	-	-
			14:18	14:42	00:24	132kv Barpali-RTSS	Source Failure							
74	Tarkera	17.04.22	15:26	23.04.22 19:59:00	148:33	220 kV Tarkera- Bonai	MT	-	-	-	-	-	-	-
			15:26	23.04.22 19:59:00	148:33	220 kV Tarkera- Rengali								
75	Kharagprasad	17.04.22	17:15	17:32	00:17	132 kv Meramundali ckt-II	O/C & E/F, If=3.53kA	Kharagprasad NBVL SGEL MGM Meramundali RTSS	00:17	-	-	0.004444	-	-
			17:15	19:18	02:03	132 kv Meramundali ckt-I	B-ph E/F							
			17:15	17:35	00:20	132 kv NBVL ckt-I								
			17:15	17:35	00:20	132 kv NBVL ckt-II								
			17:15	17:32	00:17	132 kv SGEL	Incomer failure							
			17:15	17:32	00:17	132 kv MGM								
			17:15	17:32	00:17	132 kv Meramundali RTSS								
76	Mendhasal	17.04.22	18:46	19:58	01:12	400 kV Mendhasal- Meramundali ckt-II	Main 1 DP relay, R phase =4.05kA, Dist=112.9km Main 2 dp relay R phase= 3.947kA, Dist=111.1km	-	-	-	-	-	-	-
77	Kharagprasad	17.04.22	18:47	18:51	00:04	132 kv Meramundali ckt-II	Tripped on O/C	Kharagprasad NBVL SGEL MGM Meramundali RTSS	00:04	-	-	0.001046	-	-
			18:47	18:51	00:04	132 kv NBVL ckt-I								
			18:47	18:51	00:04	132 kv NBVL ckt-II								
			18:47	18:51	00:04	132 kv MGM								
			18:47	18:51	00:04	132 kv SGEL								
			18:47	18:51	00:04	132 kv Meramundali RTSS								
78	Dabugaon	17.04.22	19:26	19:45	00:19	132 kv Dabugaon-Tentulikhunti	DP, Distance -105.6km, Zone-3	Tentulikhunti	00:19	-	-	0.004084	-	-
79	Tentulikhunti	17.04.22	19:27	20:12	00:45	132 kv Jayanagar-Tentulikhunti-I	Incomer Failure	Tentulikhunti Mukhiguda	00:20	-	-	0.004299	-	-
			19:27	21:30	02:03	133 kv Jayanagar-Tentulikhunti-II	Incomer Failure							
			19:27	19:45	00:18	132 kv Tentulikhunti- Dabugaon Fdr	DP relay operated on Zone-3 at Dabugaon end							
80	Jayanagar	17.04.22	19:30	20:20	00:50	Auto Trf-1 (132KV side)	Directional O/C (1004A,81.1A,1091A)	Jayanagar Jayanagar Tr.	00:50	-	-	0.032796	-	-
			19:30	20:20	00:50	Auto Trf-2(132KV side)	Directional O/C (1236A,104A,1321.7A)							
81	Ganjam	17.04.22	21:37	21:54	00:17	132 kv Chatrapur-Ganjam fdr	Tripped at chatrapur grid end.No CB Tripped at this end.	Ganjam Grasim	00:17	-	-	0.006361	-	-
82	Angul	17.04.22	21:56	18.04.22 08:52:00	10:56	132 kv Chainpal- Angul	Tripped on DP Relay,Fault loop-L2N, Fault current -3.048KA, Fault abs. distance-5.123KM	-	-	-	-	-	-	-

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	1	2	3	4	5	6	7	8	9	10	11	12	13	14
83	Tarkera	18.04.22	04:31	04:51	00:20	220 kV Tarkera- Budhipadar ckt-I	Local End:- DP: Zone-1, LOOP=L3-E, IL3= 4.56kA, Dist= 24.6km, %Dist= 22.4%, Master Trip Remote End:- DP: LOOP=L3-E, IL3= 1.85kA, Dist= 78.9km	-	-	-	-	-	-	-
84	Joda	18.04.22	10:25	11:00	00:35	220 kV Joda- Ramchandrapur fdr	Joda end:- A/R successful. DP Relay(Main-I), Fault Distance -27.66km, Fault phase-B, ZONE-01, Fault current :-Ia-474.4A, Ib-3.417kA, Ic-251.8A, VAN-129. 3KV, VBN-70. 94KV, VCN-136KV , DP main-2: A/R sucess,Fault loop: BGT Dist :17.84KM, Fault current:A=480A, B=3376A, C=256A, N=3965A, G=3964A, Zone-I Ramchandrapur end:- DP Relay, Dist=120km, Zone-2, Ia=0.61kA, Ib= 1.76kA, Ic= 0.28kA	-	-	-	-	-	-	-
85	Aska New	18.04.22	11:40	19:25	07:45	132kV Aska New- Chhatrapur fdr	Aska New End:- DP, Zone-1, B-ph to E/F, If=552.9A	-	-	-	-	-	-	-
86	Akhusingh	18.04.22	11:45	11:59	00:14	132kV Akhusingh- Rayagada	I/C failure	Akhusingh	00:14	-	-	0.007493	-	-
			11:45	12:00	00:15	132kV Digapahandi- Mohana fdr	Digapahandi End:- DP, Zone-1, B-E, If=1.636kA, Dist-30.77km	Mohana Pralakhemundi						
87	Digapahandi	18.04.22	12:15	18:02	05:47	132kV Digapahandi- Mohana fdr	Digapahandi End:- DP, Zone-1, B-E, If=1.645kA, Dist-30.2km	Mohana Pralakhemundi	00:22	-	-	0.007264	-	-
88	Balimela	18.04.22	13:40	13:52	00:12	220kV Balimela- Jayanagar ckt-I	Jayanagar End:- DP, Zone-1, R-E, Dist-65km, If=1.3kA	-	-	-	-	-	-	-
89	Tarkera	18.04.22	13:48	14:07	00:19	220 kV Tarkera- Budhipadar ckt-I	Local End:- DP: Z1, LOOP=L3-E, IL3= 1.71kA, Dist= 64.7km, %Dist= 61.4%, Master Trip Remote End:- DP: Zone-1, LOOP=L3-E, Dist= 42.6km, Master Trip	-	-	-	-	-	-	-
90	Muniguda	18.04.22	12:27	19.04.22 01:00:00	12:33	132 kV Lanjigarh feeder	Local End:- A-G, Zone-2, 27.3KM, Ia=1074.0A, Ib=0A, Ic=0A Remote End:- A-G, 6.3KM, Ia=1.06KA [Tree touched at Lanjigarh end.]	-	-	-	-	-	-	-
91	Barbil	19.04.22	05:45	20.04.22 00:43:00	18:58	132kV Barbil - Bolani Line	E/F (B/U), Fault Current : Ia =161.5A, Ib = 397.8A, Ic = 3.938KA,In = 3.437KA	Bolani , Arya, BRPL , Karakhendra & Barbil Command area	00:16	-	-	0.0114	-	-

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	1	2	3	4	5	6	7	8	9	10	11	12	13	14
92	Digapahandi	19.04.22	12:03	17:18	05:15	132kV Digapahandi- Mohana fdr	Digapahandi End:- DP, Zone-1, Y-E, If=1.656kA, Dist-30km	Mohana	01:18	-	-	0.006822	-	-
93	Chandbali	19.04.22	12:41	12:43	00:02	132kV Olaver -Chandbali ckt-I & II	Source Fail	Chandbali	00:02	-	-	0.000221	-	-
94	Jayapatna	19.04.22	12:59	13:19	00:20	132kV Jayapatna- Megalift ckt-II	O/C, E/F, If=179.7A	-	-	-	-	-	-	-
			13:29	13:52	00:23		O/C B-E							
95	Katapali	19.04.22	14:26	21.04.22	148:44	220kV Katapali- Bolangir PG	Katapali End:- Y-B fault, Iy=9.8kA Bolangir PG End:- Y-ph to E/F, Zone-2, Dist-105km, If=1.32kA	-	-	-	-	-	-	-
96	Therubali	20.04.22	12:25	13:01	00:36	220KV Therubali-Bhanjanagar Ckt-1	Local End:- AN, Zone-1, Dist- 85.13km, Ia= 1.6 kA, Ib= 250.2 A, Ic= 86.95 A Remote End:- AN, Zone-1, Dist- 92.86 km, Ia= 843 A, Ib=154 A, Ic=167 A	-	-	-	-	-	-	-
97	Nuapada	20.04.22	12:42	12:56	00:14	132 kV Nuapada- Khariar line	Tripped on E/F, Ia=13.25A,Ib=14.62A, Ic=46.65A, In=45.78A	-	-	-	-	-	-	-
98	TTPS	20.04.22	13:59	15:12	01:13	220kV Rengali- TTPS fdr	Rengali End:- O/C E/F, DP, Zone-1, B-Y-E/F, Dist-23.95km, Ir=318.1A, Iy=6.346kA, Ib=6.009kA	-	-	-	-	-	-	-
99	Chandpur	20.04.22	19:26	19:31	00:05	132 kV Chandpur-Balugaon	Chandpur end:- breaker operated E/F on B-phase, 86 Optd, IL1=0.01kA, IL2=0.01kA, IL3=0.70kA. [tripped due to touches of tree branches.]	-	-	-	-	-	-	-
100	Khajuriakata	21.04.22	11:23	12:14	00:51	132 kV Khajuriakata-Meramundali Line	Local End:- dist--60, Y-G, I-Fault- 943 A Remote End:- Y-G, I-Fault- 937 A, 86 opted	Khajuriakata	00:27			0.002642		
			11:23	11:50	00:27	132 kV Dhenkanal-Khajuriakata-Nuapatna fdr	Dhenkanal end:- B/U Relay operated with indications Y-N, Ir=86A, Iy=596A, Ib=6A, In=596A. Khajuriakata End:- B/U Relay operated with indications Y-N,Ir=67A,Iy=943A,Ib=33A.At Nuapatna end DP Relay operated with indications Ir=1.024KA,Zone-1,fault distance=41.7KM and B/U Relay operated with indications Rph.							
101	Polasponga	21.04.22	13:41	13:52	00:11	132KV RTSS-KJR Feeder	Back up relay- E/F , Ia=181.1A, Ib=35.58A, Ic=14.87A,Inm = 138.1A, Ind= 139.6A	Keonjhar Tr.	00:11	-	-	0.000896	-	-

Particulars of Transmission elements not available resulting in loss of Transmission capacity and Grid Sub-stations affected.

Particulars of Transmission elements not available resulting in loss of Transmission capacity and Grid Sub-stations affected.														
Sl. No.	Substation	Date	From	To	Duration	Transmission element (Line / Tfr. / CB etc.)not available	Reason for non-availability of Transmission element (schedule maintenance outage / forced outage*)with details	Grid Sub-stations affected (it can be more than one)	Interruption time (Hr. Min.)	Extent of Generation Rescheduling required		Energy lost in MU	Area affected	Feeders affected
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
102	Nuapada	21.04.22	23:24	23:36	00:12	132 kV Padampur- Nuapada line	Tripped on E/F, Ia=115.9A,Ib=318.9A, Ic=925.9A, In=499.2A [Heavy Rain and Lighteing Condition]	Nuapada, Nuapada Tr.	00:12	-	-	0.003765	-	-
103	Rourkela	22.04.22	01:45	02:12	00:27	132 kV Rourkela- BKSteel	DP & MT relay indication, DP relay details:-loc=36.52km, zone-1, event =AGT, Fault current details:- IA=2364A, IB=67A, IC=136A, IG=2144A	Bhalulata RTSS,BKSteel	00:27	-	-	0.003731	-	-
104	Tarkera	22.04.22	02:33	12:01	09:28	100 MVA AUTO-1	Buccholz trip and MT	-	-	-	-	-	-	-
105	Khajuriakata	22.04.22	13:09	13:25	00:16	132 kV Khajuriakata-Dhenkanal- Nuapatna T Line	Local End:- E/F, Y-G,Zone-1, Dist-54.9 km, I fault-1.258 ka Remote End:- DKL- E/F, Y-G, Dist-39.7 km, Z-2, I fault-1.228 KA NPT- E/F, R-G,Z-1, Dist-18.59 km, I fault-2.822 KA	-	-	-	-	-	-	-
106	New Duburi	23.04.22	11:52	12:14	00:22	220 kV New Duburi-Paradeep ckt-I	Local End:- DP, B-ph pick up, E/F trip, Dist- 79.1km, Zone-I, IL3=2.23 kA Remote End:- Zone-1, B-ph to E/F, Dist-29km	-	-	-	-	-	-	-
107	Polasponga	23.04.22	18:14	18:17	00:03	132KV RTSS-KJR Feeder	Back up relay- O/C (R PH), Ia=240.7A, Ib=236.4A, Ic=4.475A,Inm = 0.00A, Ind=0.00A	-	-	-	-	-	-	-
108	Bhanjanagar	24.04.22	08:45	08:58	00:13	132KV Bhanjanagar-Phulbani Ckt	CN, 57.7Km, Ic= 1.613kA	Phulbani	00:13	-	-	0.001963	-	-
109	Tarkera	24.04.22	11:19	14:09	02:50	220 kV Tarkera- Bonai	SPS	-	-	-	-	-	-	-
			11:19	14:09	02:50	220 kV Tarkera- Rengali		-	-	-	-	-	-	-
110	Bargarh	25.04.22	02:02	02:52	00:50	132kV Bargarh-Katapali fdr	O/C	-	-	-	-	-	-	-
			02:02	02:52	00:50	132 kV Bargarh New-Thuapali fdr	Distance protection relay operated.	-	-	-	-	-	-	-
111	Mendhasal	25.04.22	04:32	20:00	15:28	220 kV Mendhasal-Atri feeder	Zone-1, Ic =5.08kA , Dist=18.1km ,AR successful at Mendhasal end	-	-	-	-	-	-	-
112	Nuapatna	25.04.22	04:33	04:59	00:26	132 kV Nuapatna- Banki fdr	B phase O/C and E/F, Ir- 842A, Iy- 319.9A, Breaker didn't tripped at Banki end.	-	-	-	-	-	-	-
113	Polasponga	25.04.22	05:48	05:52	00:04	132KV RTSS-KJR Feeder	Back up relay- O/C (R PH), Ia=240A, Ib=236.3A, Ic=4.36A,Inm = 0.00A, Ind= 0.00A	-	-	-	-	-	-	-
114	Meramundali	25.04.22	12:41	15:19	02:38	400kV Meramundali- Kaniha ckt-I	Meramundali End:- B-ph to E/F, If=7.11kA, Dist-25.8km	-	-	-	-	-	-	-

Particulars of Transmission elements not available resulting in loss of Transmission capacity and Grid Sub-stations affected.

Particulars of Transmission elements not available resulting in loss of Transmission capacity and Grid Stations affected.														
Sl. No.	Substation	Date	From	To	Duration	Transmission element (Line / Tfr. / CB etc.)not available	Reason for non-availability of Transmission element (schedule maintenance outage / forced outage*)with details	Grid Sub-stations affected (it can be more than one)	Interruption time (Hr. Min.)	Extent of Generation Rescheduling required		Energy lost in MU	Area affected	Feeders affected
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
115	Budhipadar	25.04.22	13:05	14:10	01:05	220kV Budhipadar- Korba ckt-I	Budhipadar End:- Zone-1, B-E, Dist-60.6km, If=1.63kA	-	-	-	-	-	-	-
116	Barpali	25.04.22	13:50	13:59	00:09	132KV Bolangir New-Barpali feeder	DP relay details at Bolangir New End:- (1) IA=263.1A, IB=2.129kA, IC=227.7A (2) Trip Zone-I (3) Fault distance 19.34km	Barpali Dunguripali Tr.	00:09	-	-	0.005968	-	-
			13:50	13:59	00:09	132kV Barpali-RTSS	Source Failure							
117	Sadeipali	25.04.22	14:54	18:55	04:01	132KV Bolangir New-Barpali feeder	DP relay details at Bolangir New End:- (1) IA=269.6A, IB=2.695kA, IC=232.1A (2) Trip Zone-I (3) Fault distance 20.45km	Barpali Dunguripali Tr.	00:09	-	-	0.005968	-	-
			14:54	15:03	00:08	132kV Barpali-RTSS	Source Failure							
118	Jharsuguda	25.04.22	20:13	20:45	00:32	132 kV Railway fdr	Trip O/C & CT Brust at railway switchyard end	Jharsuguda Tr.	00:32	-	-	0.007418	-	-
119	Dhenkanal	25.04.22	13:45	25.04.22	00:34	132 kV Dhenkanal-Khajuriakata-Nuapatna fdr	Dhenkanal end:- DP Relay operated with indications R-Y, Ir=2.072KA, Iy=2.008KA, Zone-1,fault dist=18.04km. Khajuriakata End:- DP Relay operated with indications R-Y,Ir=1.656KA, Iy=1.656KA, Zone-1,fault dist=44.4km.At Nuapatna end DP Relay operated with indications R-B,Ir=2.416kA,Ib=2.151kA, Zone-1,fault dist=24.67km.	-	-	-	-	-	-	-
120	Balasore	26.04.22	01:00	01:44	00:44	132KV Balasore-Somanathpur Ckt-I	Balasore end:- R-N, Z-2 start, Z-3 start, Z-2 Trip, Z-3 Trip, Ir-7842A, Iy-117A, Ib-171.1A	Somanathpur Grid	00:44	-	-	0.009447	-	-
121	Somnathpur	26.04.22	01:00	16:46	15:46	Balasore-Somanathpur CKT-I	At Balasore- O/C, E/F, Zone 2&3 trip, Fault current Rph=7842A. No relay indication at somanathpur grid end.	Somanathpur Emami,	15:46 15:55	-	-	0.204171	-	-
			01:00	16:55	15:55	M/S EMAMI	Tripped							

Particulars of Transmission elements not available resulting in loss of Transmission capacity and Grid Sub-stations affected.

Particulars of Transmission elements not available resulting in loss of Transmission capacity and Grid Sub-stations affected:														
Sl. No.	Substation	Date	From	To	Duration	Transmission element (Line / Tfr. / CB etc.)not available	Reason for non-availability of Transmission element (schedule maintenance outage / forced outage*)with details	Grid Sub-stations affected (it can be more than one)	Interruption time (Hr. Min.)	Extent of Generation Rescheduling required		Energy lost in MU	Area affected	Feeders affected
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
122	Balasore	26.04.22	01:44	16:40	14:56	132KV Balasore-Somanathpur Ckt-I	Balasore end:- R-N, Z-1 start, Z-2 start, Z-3 start, Z-1 trip, SOTF, Dist-80.6%, Ir-8852A, Iy-152.4A, Ib-175.8A [one tension tower of 132KV Balasore-Somanathpur Ckt-II fell down between Loc no-17 (PB) & 18 (PA) of 132KV Balasore Somanathpur Ckt-I damaging R-Ph conductor & bending its cross arm]	Somanathpur Grid	14:56	-	-	0.192378	-	-
123	Narendrapur	26.04.22	04:51	09:07	04:16	220 kV Narendrapur- Atri Ckt-II	Due to saline effect disc Insulator puncture at Loc no-86 .B-E, Zone-1, Dist-109.6km, If=1.284kA	-	-	-	-	-	-	-
124	Narendrapur	26.04.22	05:43	19:05	13:22	220 kV Narendrapur- Atri Ckt-I	Due to saline effect disc Insulator puncture at Loc no-86 & 95, Y-E, Dist-24.19km, If=2.21kA	-	-	-	-	-	-	-
125	Khariar	26.04.22	07:59	08:39	00:40	132 kV Khariar-Kantabanji fdr	Tripped from Khariar on circuit overloading	Kantabanji, Kantabanji Tr.	00:40	-	-	0.009771	-	-
126	Rourkela	26.04.22	11:01	11:10	00:09	132 kV Rourkela- BKSteel	DP & MT relay indication, DP relay details:- loc=36.35km, zone-1, event =CAT, Fault current details:- IA=3169A, IB=21A, IC=3354A, IG=240A	Bhalulata Tr., BKSteel	29:33 00:09	-	-	0.003731	-	-
			11:10	18:16	07:06	132 kV Rourkela- BKSteel	DP & MT relay indication, DP relay details:- loc=36.31km, zone-1, event =CAT, Fault current details:- IA=3062A, IB=46A, IC=3295A, IN=0A, IG=306A [Trial charge was taken but it immediately tripped with D.P relay indication .fdr declared as faulty]							
			18:16	19:17	01:01	132 kV Rourkela- BKSteel	B/U relay & MT relay indication, B/U relay details:- event =CAT, Fault current details:- IA=3.179kA, IB=28.86A, IC=3.349kA, IN=233.5A							
			19:17	27.04.22 16:32	21:17	132 kV Rourkela- BKSteel	DP & MT relay indication, DP relay details:- loc=35.97km, zone-1, event =CAT, Fault current details:- IA=3098A, IB=42A, IC=3332A, IN=0A, IG=313A							

Particulars of Transmission elements not available resulting in loss of Transmission capacity and Grid Sub-stations affected.

Particulars of Transmission elements not available resulting in loss of Transmission capacity and Grid Sub-stations affected.														
Sl. No.	Substation	Date	From	To	Duration	Transmission element (Line / Tfr. / CB etc.)not available	Reason for non-availability of Transmission element (schedule maintenance outage / forced outage*)with details	Grid Sub-stations affected (it can be more than one)	Interruption time (Hr. Min.)	Extent of Generation Rescheduling required		Energy lost in MU	Area affected	Feeders affected
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
127	Kalunga	26.04.22	12:49	18:36	05:47	132 kV Kalunga- Budhipadar	Local End:- DP, Tripped Phase- Y-B, Zone- 1, Fault location- 68.13 km, Fault duration- 58.44 ms, Ir-42.68 A, Iy-1.675 KA, Ib-1.714 KA Remote End:- Fault Location:35.3 km, L2-L3, IL2: 3.57 KA, IL3: 3.537 KA	-	-	-	-	-	-	-
128	Budhipadar	26.04.22	12:57	14:16	01:19	220kV Budhipadar- Korba ckt-I	Budhipadar End:- DP, Zone-2, B-E, Power swing	-	-	-	-	-	-	-
129	Budhipadar	26.04.22	13:02	18:18	05:16	220kV Budhipadar- Raigarh fdr	Budhipadar End:- DP, Zone-1, B-E, Dist-23.8km, If=2.93kA	-	-	-	-	-	-	-
130	Baripada GSS	26.04.22	13:37	14:28	00:51	132kV Baripada(OPTCL)- Baripada(PGCIL) Line Breaker	Master Trip: D/P, A-251A, B-590A, C-2588A, G-1867A, event E/R. Back up Relay: Relay Trip-O/C L2,O/C L3,O/C E/F(P/U). Breaker fail int PU I _{EP} Dir Trip- IL1=0.17KA, IL2=0.25KA, IL3=1.56KA PU Time-420ms,Trip Time-350ms.	Baripada Grid	00:51		0.02118			
			13:37	19:22	05:45	132kV Baripada-Betonati Line	Distance Relay: Abs Fault Distance-6.16km, Fault loop-L3-N Zm02-Start , Zm01-Trip Fault Magnitude: IL1=116.43A, IL2=339.95KA, IL3=2654.63A,In=2230.34A VL1=74.208kv, VL2=74.772kv, VL3=32.708kv, Vn=47.13kv Indication: Relay Trip-R,Y & B-phase. Back up Relay: E/F & O/C in B-Phase.IL1=0A, IL2=0A, IL3=2.60KA.							
131	Tarkera	26.04.22	15:08	17:19	02:11	220 kV Tarkera- Budhipadar ckt-I	DP: Zone-2, LOOP=L2-L3, IL2=2.88kA, IL3=2.57kA Dist= 92.8km, %Dist= 84.5%, Master Trip, B/U O/C Trip	-	-	-	-	-	-	-
132	Khariar	26.04.22	21:57	22:00	00:03	132 kV Khariar-Kantabanji fdr	Circuit Overloading	Kantabanji, Kantabanji Tr.	00:03	-	-	0.000733	-	-
133	Purushottampur	27.04.22	03:49	11:07	07:18	132 kV Purushottampur-Chatrapur fdr	DP, Dist-15Km, Zone-1, LoopL3-E, IL1-0.0kA, IL2-0.0kA, IL3-2.46kA	Purushottampur	00:12		0.00275			
			03:49	04:01	00:12	132 kV Aska-Purushottampur fdr	Tripped with B-phase E/F							
134	Ganjam	27.04.22	04:39	04:43	00:04	132 kV Chatrapur-Ganjam fdr	Tripped at chatrapur grid end.No CB Tripped at this end.	Ganjam Grasim	00:31		0.011599			
			04:46	05:13	00:27		Tripped on A,B,C,Zone-1,A-N,Ia-3.378KA,Ib-40.24A,Ic.-51.34A							

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	1	2	3	4	5	6	7	8	9	10	11	12	13	14
135	Aska New	27.04.22	05:00	09:24	04:24	132kV Aska New- Chhatrapur fdr	B-E	-	-	-	-	-	-	-
136	Muniguda	27.04.22	10:42	10:43	00:01	132 kV RTSS Bisamcuttack	Over Current Ia= 269.6A, Ib= 267.2 A	Muniguda	00:01	-	-	9.9E-05	-	-
137	Budhipadar	27.04.22	13:25	18:05	04:40	220kV Budhipadar- Korba ckt-I	Tripped	-	-	-	-	-	-	-
138	Bhadrak	27.04.22	15:32	15:56	00:24	132 kV DPCL II	Tripped on zone-I, fault location=26.19 KM, Ic= 3.03 KA	DPCL Tr.	00:24	-	-	0.001363	-	-
139	Akhusingh	27.04.22	16:03	16:15	00:12	132kV Akhusingh- Gunupur	I/C failure	-	-	-	-	-	-	-
140	Jayanagar	27.04.22	16:05	16:11	00:06	132kV Podagada	R-E, Zone-3, Dist- 98km, If=728A	-	-	-	-	-	-	-
141	Baripada GSS	27.04.22	17:00	18:01	01:01	132kV Baripada(OPTCL)- Baripada(PGCIL) Line Breaker	Master Trip, <u>Back up Relay</u> -Relay trip, O/C L1, O/C L2, O/C L3, O/C E/F (P/U), IL1=1.01KA,IL2=2.09KA,IL3=1.43KA. [33 Kv Medical Feeder VCB couldn't tripped & it pulled out 132 Kv PGCIL I/C Breaker at Baripada Grid End only & 33 Kv side of Trf No.I.II & III.17:19 Hr- 33 Kv side of Trf No.II was Charged at Baripada Grid end & P/S restored at Baripada Grid S/s.(During That Time P/S Available from Betnoti Grid]	Baripada Grid	00:19	-	-	0.007891	-	-
142	Ganjam	28.04.22	01:39	02:00	00:21	132 kV Chatrapur-Ganjam fdr	Tripped on A,B,C,Zone-1,B-N,Ia-106A,Ib-3.338KA,Ic,-62.05A	Ganjam	00:30	-	-	0.001715	-	-
			05:04	05:13	00:09		Tripped on A,B,C,Zone-1,A-N,Ia-3.427KA,Ib-37.08A,Ic,-48.58A			-	-		-	-
143	Joda	28.04.22	05:26	05:30	00:04	220 kV TSIL	Tripped with power trip indication.	TSIL	00:04	-	-	1.37E-06	-	-
144	Soro	28.04.22	09:37	11:34	01:57	132 kV Soro-Balasore fdr	<u>Soro end</u> :- DP operated, Zone-I, Dist-8.48km, Fault Current:- Ia-7A, Ib-1791A, Ic-8A, In-0A, B/U relay optd,O/C Y-Ph Pick up, E/F <u>Balasore end</u> :- DP operated, Zone-I, Dist-27.799km, Fault Current:- Ib-1.918kA.	-	-	-	-	-	-	-
145	Somnathpur	28.04.22	11:26	16:07	04:41	132KV Balasore-Somanathpur Ckt-I	<u>Balasore end</u> :- R-N, Z-2 start, Z-3 start, Ir-7855A, Iy-84.59A , Ib-144.3A [R-Ph LA at Somanathpur grid end burst .]	Somanathpur Emami	04:41	-	-	0.060333	-	-
			11:26	16:07	04:41	M/S EMAMI	Tripped							
146	Therubali	28.04.22	12:02	12:16	00:14	220KV Therubali-U.Kolab	<u>Local End</u> :-BN, Zone-2, Dist-71.92 km, Ia= 46 A. Ib= 1.46 kA, Ic= 49.77 A <u>Remote End</u> :- BN, Zone-1, Dist-0 km, Ia= 88 A. Ib= 356 A. Ic= 56.1 A	-	-	-	-	-	-	-

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Sl. No.	Substation	Date	From	To	Duration	Transmission element (Line / Tfr. / CB etc.)not available	Reason for non-availability of Transmission element (schedule maintenance outage / forced outage*)with details	Grid Sub-stations affected (it can be more than one)	Interruption time (Hr. Min.)	Extent of Generation Rescheduling required		Energy lost in MU	Area affected	Feeders affected
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
147	Therubali	28.04.22	13:34	13:38	00:04	220KV Therubali-Bhanjanagar Ckt-1	Local End:- AN, Zone-1, Dist- 121.9 km, Ia= 1.36 kA, Ib= 209 A, Ic= 116 A Remote End:- AN, Zone-1, Dist- 44.7 km, Ia= 2.35 kA, Ib= 143 A, Ic= 116 A	-	-	-	-	-	-	-
148	Therubali	28.04.22	15:40	15:44	00:04	220KV Therubali-Bhanjanagar Ckt-2	Local End:- CN, Zone-1, Dist- 116.6 km, Ia= 109 A, Ib= 249 A, Ic= 1.47 kA Remote End:- Auto recloser success at Bhanjanagar end	-	-	-	-	-	-	-
			15:48	18:53	03:05	CN, Z-1,39.12KM, Ic-3.091kA, A/R Lockout								
			15:48	18:53	03:05	Local End:- CN, Zone-1, Dist- 130 km, Ia= 90.58 A, Ib= 286 A, Ic= 1.48 kA Remote End:- CN, Zone-1, Dist- 37.1 km, Ic= 3.1 kA								
149	New Duburi	28.04.22	23:43	30.04.22 18:30:00	42:47	220 kV New Duburi-JINDAL(JSL) ckt-I	Local End:- DP, B-ph pick up, E/F trip, Dist- 5km, Zone-2, IL3=12.39 kA Remote End:- B-ph,E/F,Zone-1, IA-454.1A, IB-589A, IC-9.451kA,Trip Time-79.97ms [B-ph insulator string puncture at Loc no 15.]	-	-	-	-	-	-	-
150	Paradeep	28.04.22	23:46	23:59	00:13	220 kV Paradeep- ESSAR ckt-II	O/C YB-PH	ESSAR	00:13	-	-	2.3E-05	-	-
151	Dhenkanal	28.04.22	10:04	10:10	00:06	132kV Dhenkanal- Khuntuni fdr 132 kV Dhenkanal-Khajuriakata-Nuapatna fdr 132 kV Dhenkanal-Joranda Road traction fdr	Power supply fail from Dhenkanal-Khajuriakata-Nuapatna T-line.	Khajuriakata Joranda Tr.	00:06	-	-	0.001388	-	-
152	Dhenkanal	28.04.22	11:55	12:00	00:05	132kV Dhenkanal- Khuntuni fdr 132 kV Dhenkanal-Khajuriakata-Nuapatna fdr 132 kV Dhenkanal-Joranda Road traction fdr	Power supply fail from Dhenkanal-Khajuriakata-Nuapatna T-line.	Joranda Tr.	00:05	-	-	0.000667	-	-
153	Ganjam	29.04.22	02:37	03:02	00:25	132 kV Chatrapur-Ganjam fdr	Tripped at chatrapur grid end.No CB Tripped at this end.	Ganjam	00:25	-	-	0.001429	-	-
154	Purushottampur	29.04.22	02:55	03:12	00:17	132 kV Purushottampur-Chatrapur fdr	DP, Dist-10.7Km, Zone-1, LoopL1-E, IL1-2.17kA, IL2-0.0kA, IL3-0.0kA	Purushottampur	00:10	-	-	0.002292	-	-
			02:55	03:05	00:10	132 kV Aska-Purushottampur fdr	Tripped with O/C R-phase							
155	Purushottampur	29.04.22	03:25	03:29	00:04	132 kV Aska-Purushottampur fdr	Tripped with O/C R-phase	Purushottampur	00:04	-	-	0.000917	-	-
			03:25	06:50	03:25	132 kV Purushottampur-Chatrapur fdr	DP, Dist-7.4Km, Zone-1, LoopL3-E, IL1-0.0kA, IL2-0.0kA, IL3-2.34kA							
156	Jayanagar	29.04.22	07:10	07:44	00:34	132 kV Jayanagar-Machkund	B-E, Zone-1	-	-	-	-	-	-	-

Particulars of Transmission elements not available resulting in loss of Transmission capacity and Grid Sub-stations affected.

Particulars of Transmission elements not available resulting in loss of Transmission capacity and Grid Sub-stations affected.														
Sl. No.	Substation	Date	From	To	Duration	Transmission element (Line / Tfr. / CB etc.)not available	Reason for non-availability of Transmission element (schedule maintenance outage / forced outage*)with details	Grid Sub-stations affected (it can be more than one)	Interruption time (Hr. Min.)	Extent of Generation Rescheduling required		Energy lost in MU	Area affected	Feeders affected
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
157	Mendhasal	29.04.22	14:01	15:06	01:05	400 kV Mendhasal- Meramundali ckt-I	Distance=102km, Ic3=4.09kA	-	-	-	-	-	-	-
158	Chandaka-B	29.04.22	14:37	15:00	00:23	132 kV Chandaka-B Unit-8 UG cable feeder	O/C	Unit-8 GIS	00:23	-	-	0.007258	-	-
159	Sadeipali	29.04.22	16:26	16:36	00:10	132 kV Bolangir New-Sonepur Ckt-I	Tripped on distance protection as well as in back up o/c protection at Bolangir New end only . DP relay details:- (1) IA=506.1A, IB=3.372kA, IC=3.018kA (2) Trip Zone-I (3) Fault distance 29.59km Back Up relay details:- (1)Overcurrent start I>1 2 (2)Overcurrent trip I>2 (3)IA=381.5A, IB=392.6A, IC=427.7A	Sonepur Boudh	00:10	-	-	0.000812	-	-
160	Khariar	29.04.22	17:27 18:32	17:30 18:35	00:03 00:03	132 kV Khariar-Kantabanji fdr	At Khariar- Tripped on Circuit Overload	Kantabanji, Kantabanji Tr.	00:03	-	-	0.009771	-	-
161	Mendhasal	30.04.22	05:57	08:20	02:23	132 kV Mendhasal- Khurdha feeder	fault current=3.25kA	-	-	-	-	-	-	-
162	Mendhasal	30.04.22	05:57 05:57	07:10 06:25	01:13 00:28	220/100MVA Auto-1 220/100MVA Auto-II	tripped on o/c	-	-	-	-	-	-	-
163	Akhusingh	30.04.22	07:10	07:59	00:49	132kV Akhusingh- Rayagada	I/C failure	-	-	-	-	-	-	-
164	Tarkera	30.04.22	13:13	13:36	00:23	220 kV Tarkera- Budhipadar ckt-II	Local End:- DP: Zone-1, LOOP=L3-N, IL3= 2.829kA, IN=2.413kA, Dist= 43.184km, %Dist= 39.33%, Master Trip Remote End:- DP: Zone-1, LOOP=L3-E, IL3= 2.06KA, Dist= 63.8km, Master Trip	-	-	-	-	-	-	-
			13:36	17:36	04:00	220 kV Tarkera- Budhipadar ckt-II	SOTF TRIP, DP: Zone-1, LOOP=L3-N, IL3= 3.287kA, IN=3.317kA, Dist=38.64 km, %Dist= 35.19%, Master Trip							
165	Kamakhyanagar	30.04.22	16:27	17:48	00:21	132 kV Kamakhyanagar-OPCL	DP operated.	-	-	-	-	-	-	-
166	Nuapatna	30.04.22	16:51	17:00	00:09	132 kV Nuapatna-Arati feeder	R phase E/F, Zone1, 26.86km, Ir- 1.759KA, Iy- 108.8KA, Ib- 63A, Relay indication at Arati steel- Bphase O/C.	-	-	-	-	-	-	-
167	Bidanasi	01.05.22	01:59	09:32	07:33	220 KV Bidanasi-Mendhasal Ckt-II	DP relay operated with following indications- R phase to ground fault, Zone-I, Distance-22-18km, Ir-3-719kA	-	-	-	-	-	-	-
168	Umerkote	01.05.22	08:58	09:06	00:08	132kV Dabugaon- Umerkote Line	Incomer failed from Dabugaon end	Umerkote	00:08	-	-	0.002844	-	-

Particulars of Transmission elements not available resulting in loss of Transmission capacity and Grid Sub-stations affected.

Particulars of Transmission elements not available resulting in loss of Transmission capacity and Grid Sub stations affected.														
Sl. No.	Substation	Date	From	To	Duration	Transmission element (Line / Tfr. / CB etc.)not available	Reason for non-availability of Transmission element (schedule maintenance outage / forced outage*)with details	Grid Sub-stations affected (it can be more than one)	Interruption time (Hr. Min.)	Extent of Generation Rescheduling required		Energy lost in MU	Area affected	Feeders affected
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
169	Narendrapur	01.05.22	12:14	12:36	00:22	220kV Gunupur Ckt-I	At Narendrapur End:- Tripped on distance fault. Main-I(MicomP444) A to N , Dist-74.91km, Zone-I, Ia-871.8A, Ib-96.10A, Ic-111.0A At Gunupur End:- R-Phase to E-F, Zone-2, Dist-33.5km	-	-	-	-	-	-	-
170	Bhawanipatna	01.05.22	15:34	15:48	00:14	132kV Kesinga Incoming	Failed from Kesinga	Bhawanipatna Lanjigarh Tr.	00:14	-	-	0.005103	-	-
171	Tarkera	01.05.22	21:29	02.05.22 00:43:00	03:12	220kV Tarkera- Budhipadar ckt-II	At Budhipadar End:- DP, Zone-1, R-E, If=2.11kA, Dist-67.6km At Tarkera End:- DP, Zone-1, If=6.34kA, R-E, Dist-10.9km [Heavy winds]	-	-	-	-	-	-	-
172	Meramundali	02.05.22	13:25	16:30	03:05	400kV Meramundali- Kaniha fdr	At Meramundali End:- B-E, Dist-43.7km, If=4.9kA	-	-	-	-	-	-	-
173	KHARIAR	02.05.22	16:27	16:30	00:03	132KV KHARIAR-KANTABANJI LINE	Tripped from Khariar-DP Zone-2 operated.R-phase to ground fault	KANTABANJI, KANTABANJI Tr.	00:03	-	-	0.000751	-	-
174	Bhanjanagar	02.05.22	20:10	20:33	00:23	220kV Bhanjanagar- Theruvali ckt-II	At Bhanjanagar End:- AN, Z-1, D= 123-5km,IA-1-327kA At Therubali End:- AN, Z-1, D= 53-63km, IA-2-58kA	-	-	-	-	-	-	-
175	Kharagprasad	03.05.22	00:20	00:26	00:06	132kV Meramundali ckt-II	O-C, E-F	-	-	-	-	-	-	-
176	Paralakhemundi	03.05.22	03:17	03:36	00:19	132kV Paralakhemundi - Akhusingh Incomer-I	DP operated	Paralakhemundi	00:19	-	-	0.0047101	-	-
177	KHARIAR	03.05.22	04:26	04:39	00:13	132KV KESINGA-KHARIAR LINE	Tripped from Kesinga-DP Zone-1 operated.B-phase to ground fault	KHARIAR, KANTABANJI, KANTABANJI Tr.	00:13	-	-	0.010057	-	-
178	KHARIAR	03.05.22	08:42	08:50	00:08	132KV KHARIAR-KANTABANJI LINE	Tripped from Khariar Backup operated.	KANTABANJI, KANTABANJI Tr.	00:08	-	-	0.002002	-	-
179	Kamakhyanagar	03.05.22	13:52	16:22	02:30	132kV OPCL-Kamakhyanagar	DP	-	-	-	-	-	-	-
180	Joda	03.05.22	14:08	14:25	00:17	132kV Joda- Polasponga fdr	Tripped at both end At Joda end:- DP relay,Fault Dist=52.975KM,FL: L3-N,Zone-I,Fault Current:- IL1=233.65A, IL2=413.09A, IL3=1893.48A & IN=1342.04A At Polasponga End:- B/U Relay optd. E/F	Polasponga Polasponga Tr. OSISL MSP ESIL	00:17	-	-	0.016347	-	-

Particulars of Transmission elements not available resulting in loss of Transmission capacity and Grid Sub-stations affected.

Particulars of Transmission elements not available resulting in loss of Transmission capacity and Grid Sub-stations affected.														
Sl. No.	Substation	Date	From	To	Duration	Transmission element (Line / Tfr. / CB etc.)not available	Reason for non-availability of Transmission element (schedule maintenance outage / forced outage*)with details	Grid Sub-stations affected (it can be more than one)	Interruption time (Hr. Min.)	Extent of Generation Rescheduling required		Energy lost in MU	Area affected	Feeders affected
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
			14:09	14:28	00:19	132kV Karanjia - Polasponga fdr	At Karanjia End:- L3-E, Z2 Trip,PU Time-429 ms, Trip Time- 350 ms, Dist-94.7 km, IL1=0.04kA, IL2=0.08kA, IL3=0.60kA							
181	Polasponga	03.05.22	16:17	16:20	00:03	132kV Railway fdr	Back up relay- O/C (R-PH) , Ia=240.0A, Ib=235.5A, Ic=4.09A,Inm = 0.0A, Ind= 0.0A	Polasponga Tr.	00:03	-	-	0.000294	-	-
182	Joda	03.05.22	16:26	18:09	01:43	132kV Joda- Polaspanga fdr	Tripped at both end At Joda end:- DP relay, Fault Dist=5.15km, FL: L2-N, Zone-I, Fault Current: IL1=267.47A, IL2=7939.67A, IL3=158.30A & IN=7648.70A At Polasponga End:- DP relay, Fault Dist=32.92km, Zone-I, Fault Current: IL1=74A, IL2=143A, IL3=2A	Polasponga Polasponga Tr. OSISL MSP ESIL	01:43	-	-	0.099046	-	-
183	Jayanagar	03.05.22	17:25	17:50	00:25	132KV Railway	Zone-1,1-53km,F-C-8-8kA,R-G Fault [heavy thunderstom]	Jayanagar Tr.	00:25	-	-	0.003922	-	-
184	Chhend	03.05.22	18:19	18:50	00:31	132kV Nuagaon- Chhend fdr	Tripped on E-F,with Location 10-11 KM,R-Ph=5016A, Y-Ph=36A,G=5050A, Zone-1(with heavy spark)	Nuagaon Tr.	00:31	-	-	0.001655	-	-
185	New Duburi	03.05.22	18:24	23:24	05:00	ICT-2	Tripped in R-ph differential	-	-	-	-	-	-	-
186	Meramundali	03.05.22	18:26	20:27	02:01	400kV Meramundali- Kaniha fdr	At Meramundali End:- R-E, Dist-15.7km, If=9.63kA	-	-	-	-	-	-	-
187	Anandapur	03.05.22	18:44	19:36	00:52	132kV Anandapur-Jajpur Road CKT-I & II	At Anandpur End:- Tripped on DP, Zone-1, Fault Type-AG, Ic =2.751kA , Dist=9.5km, Ia=1.3kA, Ib=0.18kA, Ic = 0.19kA, In =1.68kA At Jajpur Road End:- CKT-II Data:- Dist=27.8km, Zone-2, Ia=3.014kA, Ib=0.18kA, Ic=0.19kA, CKT-I Data:Fault Location- 0.0m, Ia =0.19ka, Ib = 0.15ka, Ic =3.815 ka, Zone-1 [transient fault]	Anandapur, Jajpur Road	00:17	-	-	0.015659	-	-
188	Chhend	03.05.22	18:50	04.05.22 12:42:00	17:52	132kV Nuagaon- Chhend fdr	Tripped on E-F,with Location 10-03 KM,R-Ph=5672A, Y-Ph=6A,G=5677A, (with heavy spark) (reconnection of snapped earth wire)	Nuagaon Tr.	17:52	-	-	0.057225	-	-

Particulars of Transmission elements not available resulting in loss of Transmission capacity and Grid Sub-stations affected.

Sl. No.	Substation	Date	From	To	Duration	Transmission element (Line / Tfr. / CB etc.)not available	Reason for non-availability of Transmission element (schedule maintenance outage / forced outage*)with details	Grid Sub-stations affected (it can be more than one)	Interruption time (Hr. Min.)	Extent of Generation Rescheduling required		Energy lost in MU	Area affected	Feeders affected
										MW rescheduled or estimated capacity restriction affected	Time: This should match with hours of non-availability in a month in Format B-2 as the case may be			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
189	Barbil	03.05.22	18:54	19:19	00:25	132kV Barbil - Joda fdr	At Barbil End:- E/F (B/U) FAULT CURRENT:- Ia-170.7A, Ib-105.8A, Ic-144.9A, In-361.2A At Joda End:- E/F (B/U), FAULT CURRENT:- Ia-2.49kA, Ib-0.1kA, Ic-0.15kA [Heavy rainfall, lightning and thunder storm]	BOLANI ARYA STEEL BRPL KARAKHENDRA NALDA BEEKAY STEEL	00:25	-	-	0.0049709	-	-
190	Kamakhyanagar	03.05.22	18:55	19:59	01:04	132kV Kamakhyanagar - Duburi	DP	-	-	-	-	-	-	-
191	Jaleswar	03.05.22	19:19	19:29	00:10	132kV Traction fdr	O/C	Jaleswar Tr.	00:10	-	-	0.001101	-	-
192	Bidanasi	03.05.22	19:24	19:35	00:11	132 kV Choudwar-Bidanasi fdr	O-C Zone 3 Y and B phase tripped at CDR end and BDS end	BPPL	00:51:00	-	-	2.36E-08	-	-
			19:25	20:16	00:51	132kV Bidanasi- BPPL fdr	DP relay operated with following indications- Zone-I, Distance-5-091km, Ir-9-778kA [thunder storm]							
193	New Duburi	03.05.22	19:32	04.05.22 15:39:00	20:07	220kV New Duburi- Paradeep ckt-I	At New Duburi End:- B-ph to E, If=5kA, Dist=32km At Paradeep End:- B-ph to E, Zone-1, Dist=67.4km [at LOC no 114(OA Type Tower) with suspension insulator string punctured.]	-	-	-	-	-	-	-
194	Mendhasal	03.05.22	19:50	04.05.22 14:04:00	18:14	220kV Mendhasal-Nayagarah feeder	At Mendhasal End:- Ib=16.98kA, Dist=1.3km At Nayagarah End:- Ib=18.04kA, Ib=1.6kA, Dist=47km	-	-	-	-	-	-	-
195	New Duburi	03.05.22	19:57	04.05.22 13:25:00	17:28	220kV New Duburi- Bhadrak fdr	At New Duburi End:- R-ph to E, If=1.02kA, Dist=56.5km At Bhadrak End:- Zone-1, R-ph Trip, Dist=16.39km, IA=2.97kA, IB=362.8A, IC=127.2A	-	-	-	-	-	-	-
196	Chandbali GIS	03.05.22	20:43 20:52	20:48 21:04	00:05 00:12	Olaver -Chandbali ckt-I & II	Source failure	Chandbali	00:17	-	-	0.001895	-	-
197	Kendrapada	03.05.22	20:53	21:04	00:11	132kV Kendrapara - Pattamundai S-C line	Tripped from RAMCO end as Pattamundai was availing P-S from RAMCO end through Kendrapara reserve bus-	-	-	-	-	-	-	-
198	KHARIAR	03.05.22	21:24	21:30	00:06	132KV KHARIAR-KANTABANJI LINE	Tripped from Khariar-DP Zone-2 operated.R-phase to ground fault	KANTABANJI, KANTABANJI Tr.	00:06	-	-	0.001501	-	-

Particulars of Transmission elements not available resulting in loss of Transmission capacity and Grid Sub-stations affected.

Particulars of Transmission elements not available resulting in loss of Transmission capacity and Grid Sub-stations affected.														
Sl. No.	Substation	Date	From	To	Duration	Transmission element (Line / Tfr. / CB etc.)not available	Reason for non-availability of Transmission element (schedule maintenance outage / forced outage*)with details	Grid Sub-stations affected (it can be more than one)	Interruption time (Hr. Min.)	Extent of Generation Rescheduling required		Energy lost in MU	Area affected	Feeders affected
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
199	Kesinga	04.05.22	04:22	04:40	00:18	132kV Khariar- Kesinga fdr	Tripped on O/C	Khariar Kantabanji Kantabanji Tr.	00:18	-	-	0.013925	-	-
200	Bidanasi	04.05.22	07:37	07:57	00:20	132kV Bidanasi- BPPL fdr	Tripped on Zone-A, Ib-4-075KAmp [monkey fault at BPPL end]	BPPL	00:20	-	-	9.26E-09	-	-
			07:37	07:39	00:02	132kV Bidanasi- Choudwar fdr	Tripped at Choudwar end only- At Choudwar end:- O-C R phase ,E-F							
201	Bhanjanagar	04.05.22	07:45	08:24	00:39	220kV Bhanjanagar- Theruvali ckt-II	<u>At Bhanjanagar End:-</u> AN, Z-1,D= 134-1KM, IA-1-204 KA <u>At Therubali End:-</u> AN,Z-1,D= 135-29 KM, IA-1-16 KA	-	-	-	-	-	-	-
202	Balasore	04.05.22	08:15	06.05.22 09:44:00	49:29	220KV Balasore-New Duburi feeder	<u>At Balasore end:</u> 1st fault: Main-1: A-N, Z-1, 81.71 km, Ia-1.736kA, Ib-151.5A, Ic-147.2A. Main-2: L1-N, Z-1, 80.289km, IL1-1776.87A, IL2-95.31A, IL3-108.61A. 2nd Fault: Main-1: A-B, SOTF, Z-1, A/R OPTD, 98.43km, Ia-1.917kA, Ib-1.915kA, Ic-53.0A. Main-2: L1-L2, -1.00km, IL1-318.78A, IL2-285.01A, IL3-59.72A [At LOC no-129 R-ph tension point completely damaged and B-ph partially damaged.] <u>At New Duburi end:</u> 1st fault: Main-1: Gen Trip, IL1-3.65kA, 44.2km, A/R OPTD, Main-2: A-N, Z-1, 43.30km, IL1-3.759kA, 2nd fault: Main-1: Gen Trip, IL1-4.60kA,IL2-4.51kA, 43.5km, Main-2: SOTF, Z-1, 43.16km, IL1-4.579kA, IL2-4.574kA.	-	-	-	-	-	-	-
203	Kuchinda	04.05.22	11:24	11:28	00:04	132kV SMC(Incoming)	D-P operated at SMC end.Zone-1,phase Y-N	-	-	-	-	-	-	-
204	Tarkera	04.05.22	13:45	16:20	02:35	220kV Tarkera- Bonai fdr	SPS	-	-	-	-	-	-	-
205	Tarkera	04.05.22	14:53	23:24	08:31	220kV Tarkera- Chandiposi fdr	SPS	-	-	-	-	-	-	-
206	Joda	04.05.22	17:17	17:26	00:09	132kV Joda- Polasponga fdr	Tripped at Joda end <u>At Joda end:-</u> DP relay, Fault Dist=1.0km, FL: L3-N, Zone-II, Fault Current: IL1=333.79A, IL2=359.72A, IL3=441.76A & IN=186.60A <u>At Polasponga end:-</u> Not tripped B-ph conductor snapped b/w loc-58,59	Polasponga Polasponga Tr. OSISL MSP ESIL	00:26	-	-	0.025002	-	-
			17:26	05.05.22 13:30:00	20:04									

Particulars of Transmission elements not available resulting in loss of Transmission capacity and Grid Sub-stations affected.

Particulars of Transmission elements not available resulting in loss of Transmission capacity and Grid Sub-stations affected.														
Sl. No.	Substation	Date	From	To	Duration	Transmission element (Line / Tfr. / CB etc.)not available	Reason for non-availability of Transmission element (schedule maintenance outage / forced outage*)with details	Grid Sub-stations affected (it can be more than one)	Interruption time (Hr. Min.)	Extent of Generation Rescheduling required	Energy lost in MU	Area affected	Feeders affected	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
207	New Duburi	04.05.22	21:52	05.05.22 11:37:00	13:45	220kV New Duburi- Paradeep ckt-I	At New Duburi End:- R-ph to E, If=3.22kA, Dist-56.6km At Paradeep End:- R-ph to E, Zone-1, Dist-46.9km [At LOC 221/A. R-ph Jumper snap.]	-	-	-	-	-	-	-
208	Chandbali GIS	04.05.22	22:19	22:40	00:21	Olaver -Chandbali ckt-I & II	Source failure	Chandbali	00:21	-	-	0.002341	-	-
209	Chhend	05.05.22	13:29	17:40	04:11	132kV Tarkera -Chhend Ckt-I	Interrupted due to System pull out 132 Kv B-phase cross bus Insulator puncture of 40 MVA Trf- No-II At Tarkera Grid S-S (O-C B-phase , Master Trip relay optd)	Chhend Nuagaon Tr. Adhunik	04:11	-	-	0.250093	-	-
			13:29	17:40	04:11	132kV Tarkera -Chhend Ckt-II								
210	Chandbali GIS	05.05.22	14:16	14:31	00:15	Olaver -Chandbali ckt-I & II	Source failure	Chandbali	00:15	-	-	0.001672	-	-
211	Narendrapur	05.05.22	16:03	16:03	00:00	220kV Atri Ckt-I	No tripping as A-R operated. Fault details: Main-1(SEL311C) A-G Trip, Zone-1, Dist-59.65km, Ia=1685A, Ib=121A, Ic=353A. Main-II(MicomP444) A to N ,Zone-I , Dist-59.45km, Ia-1.619KA, Ib-134.1A, Ic-356.5A At atri end:- Main-I ,R Phase to G, Zone-1, Dist-73.04km , Ia-2.02KA, Ib-135.1A, Ib-363.4A, Main-II, R Phase to G , Zone-I Dist- 73.2km, Ia-2.05KA, Ib-0.126kA, Ic-0.365KA	-	-	-	-	-	-	-
212	New Duburi	05.05.22	16:15	16:15	00:00	400kV New Duburi- Baripada fdr	At New Duburi End:- R-ph to E, Zone-1, If=4.09kA, Dist-59.9km At Baripada End:- R-ph to E, Zone-1, If=2.94kA, Dist-105.7km	-	-	-	-	-	-	-
213	Chainpal	05.05.22	16:47	17:30	00:43	132kV Chainpal- Angul fdr	E-F,O-C Y & b Phase, Zone 2, fault distance=13-52km, fault current:- Ia=4-267A, Ib=2-203A, Ic=5-146kA	-	-	-	-	-	-	-
214	Khuntuni	05.05.22	16:59	17:01	00:02	Incomer Failure	Tripped	-	-	-	-	-	-	-
215	Narasinghpur	05.05.22	17:09	17:46	00:37	220KV Narasinghpur-Meramundalli FDR	Fault type O-C & E-F, Rph- GND, Zone-1, Dist. 41.02km, If= 1.3kA [SF6 CB tripped only at Narasinghpur Grid end]	Narasinghpur	00:12	-	-	0.001521	-	-
			17:09	17:21	00:12	220KV Narasinghpur-Bhanjanagar FDR	O-C & E-F							

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Sl. No.	Substation	Date	From	To	Duration	Transmission element (Line / Tfr. / CB etc.)not available	Reason for non-availability of Transmission element (schedule maintenance outage / forced outage*)with details	Grid Sub-stations affected (it can be more than one)	Interruption time (Hr. Min.)	Extent of Generation Rescheduling required	Time: This should match with hours of non-availability in a month in Format B-2 as the case may be	Energy lost in MU	Area affected	Feeders affected
	1	2	3	4	5	6	7	8	9	10				
216	Jagatsinghpur	05.05.22	17:19	18:04	00:45	132kV Tirtol - Jagatsinghpur fdr	At Tirtol End:- DP relay -Zone 1, Dist-22-04 km, O-C & E-F At Jagatsinghpur End:- -NIL [lighting & thuderstorm]	-	-	-	-	-	-	-
217	Bidanasi	05.05.22	17:35	18:30	00:55	220 KV Bidanasi-Cuttack Ckt-I	DP relay operated with following indications- Zone-II, Distance-9-048km, Ir-7-078kA, ly-7-003kA [LA jumper of Pratapsasan snapped at Cuttack grid]	Cuttack	00:34	-	-	0.027769	-	-
			17:35	18:09	00:34	220 KV Bidanasi-Cuttack Ckt-II	D/P- SOTF TOR, Zone-II, Distance-9-032km, Ir-4-146kA, ly-4-121kA							
			17:35	18:12	00:37	132 kV Cuttack-Phulnakhara feeder	Tripped at Phulnakhara end on O-C in R-Y ph							
218	Nuapatna	05.05.22	18:05	18:32	00:27	132KV Nuapatna-Arati Line	Y phase E-F, Zone -2, Distance- 65-75 km, ly- 1-299 kA-	Arati	00:27	-	-	0.000259	-	-
219	Mendhasal	05.05.22	18:57	06.05.22 10:54:00	15:57	220kV Mendhasal-Chandaka-3 feeder	Dp 1 Relay:- IL1=14.77kA, IL2-0.12kA, IL3=0.13kA Dist- 2.1km Dp2 Relay:- IL1=14.82kA, IL2-0.14kA, IL3=0.0.34kA	-	-	-	-	-	-	-
220	Chatrapur	06.05.22	02:22	02:41	00:19	132kV Aska New-Chatrapur SC (idle charged)	Tripped on E-F on B-Ph & PSB	-	-	-	-	-	-	-
			02:22	02:42	00:20	132kV Purushottampur-Chatrapur Feeder	Tripped with Distance relay indication. Dist-16.9km,Loop-L3E, I1-0.0kA, IL2-0.0kA, IL3-1.68kA							
221	Narendrapur	06.05.22	04:07	04:07	00:00	220kV Atri Ckt-II	No tripping as A-R operated. Distance Fault details: Main-1(MicomP442) B-N Trip, Zone-1, Dist-20.65Km, Ia=497.3Amp, Ib=3.104KAmp,Ic=128.2Amp. Main-II(MicomP444) B to N ,Zone-1, Dist-20.65Km .At atri end Y to G ,Zone-I ,Dist-102.1Km.	-	-	-	-	-	-	-
222	Mendhasal	06.05.22	05:02	09:02	04:00	220kV Mendhasal- Atri-1 feeder	IL1=7.99KA IL2-0.14KA, IL3=0.02KA dist= 9.4km	-	-	-	-	-	-	-
223	Puri	06.05.22	06:34	07:27	00:53	132kV Shamuka Feeder	Tripped due to opening of Isolator from Shamuka end sue to heavy wind.	-	-	-	-	-	-	-
224	Samangara	06.05.22	09:43	18:46	09:03	132kV Puri-Samangara Feeder	At Samangara End:- D/P, Zone-4, FL- L1-L3, Dist-0.3 km, IL1-3.12 kA & IL3-3.53 kA	Samangara Malatipatapur Tr.	00:27			0.005125		

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										MW rescheduled or estimated capacity restriction affected	Time: This should match with hours of non-availability in a month in Format B-2 as the case may be			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
			09:43	10:10	00:27	132kV Samangara-Nimapara fdr	At Nimapara End :- Zone-2, Dist-31.33km, Ia=1.673kA, Ib=44.07A, Ic=1.711kA			-	-		-	-
			09:48	10:10	00:22	132kV Samangara - Satasankha fdr-II	Source failure							
225	Mendhasal	06.05.22	09:50	12:30	02:40	100 MVA Auto-I	IL3=0.02kA	-	-	-	-	-	-	-
226	Balasore	06.05.22	10:36	07.05.22 19:39:00	33:03	220kV Balasore- New Duburi fdr	At Balasore end :- 1st fault: Main-1: B-N, Z-1, A/R OPTD, 13.2km, Ia-274.6, Ib-5.115kA, Ic-252.7A. Main-2: L2-N, Z-1, 12.859 km, IL1-272.75A, IL2-5034.17A, IL3-249.56A. 2nd Fault: Main-1: B-C, SOTF, Z-1, 14.28km, Ia-62.1A, Ib-4.948kA, Ic-4.95A. Main-2: L2-L3, 14.024km, IL1-60.96A, IL2-4939.01A, IL3-4965.43A At New Duburi end :- 1st fault: Main-1: Y Ph, Z-2, IL2-1.49kA, 129.13km, Main-2: B-N, Z-2, 126km, Ib-1.52kA, 2nd fault: Main-1:Z-2,IL2-1.729kA,IL3-1.77kA, 121.5km, Main-2: SOTF,B-C, 121.7km, Ib-1.79kA, Ic-1.78kA	-	-	-	-	-	-	
227	Jayanagar	06.05.22	17:07	19:30	02:23	132KV Sunabeda	Zone-2,37-3km,Y-G,F-C-3-36kA	Sunabeda HAL	00:31	-	-	0.011134	-	-
228	Thuapali	06.05.22	17:20	18:22	01:02	132kV Thuapali-Bargarh fdr	DP operated [Heavy winds]	Thuapali	00:37	-	-	0.002598	-	-
			17:20	17:57	00:37	132kV Thuapali-Katapali fdr	Source fail							
229	Chandbali GIS	07.05.22	09:24	09:35	00:11	Olaver -Chandbali ckt-I & II	Source failure	Chandbali	00:11	-	-	0.001226	-	-
230	Narendrapur	07.05.22	10:43	10:56	00:13	220kV Theruvalli Ckt-II	At Narendrapur End :- Tripped on distance fault.Main-I(SEL311C)C to G ,Zone-1, Dist-95.76km Ia=133A, Ib=104A, & Ic=1073A, Main-I(MicomP444) C to N, Zone-1, Dist-98.12km, Ia=134.8A, Ib=105.5A, & Ic=1.089KA At Theruvalli End :- C- N Trip, Zone-1, 124.7km, Ia=48.15A, Ib=33.86A & Ic=1269.6A	-	-	-	-	-	-	-
231	Chandbali GIS	07.05.22	14:20	14:30	00:10	132 kV Olaver -Chandbali ckt-I & II	Source failure	Chandbali	00:10	-	-	0.001115	-	-
232	Nuapada	09.05.22	04:48	05:04	00:16	132 kV Nuapada-padampur line	Directional O/C	Nuapada Nuapada Tr.	00:16	-	-	0.004128	-	-

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	1	2	3	4	5	6	7	8	9	10	11	12	13	14							
233	Balasore	09.05.22	07:16	12:40	05:24	132kV Balasore-Udala feeder	At Balasore end:- DP relay: C-G-T, Z-1, Dist-7.84km, Ia=25A Ib=86A, Ic=5738A,Ig=5629 At Udala end:- Gen Trip, Dist Trip, B-Ph P/U, Z-1, Ia=0.04kA, Ib=0.09kA, Ic=0.84kA, Dist=42km	-	-	-	-	-	-	-							
234	Polasponga	09.05.22	09:57	10:00	00:03	132kV Railway fdr	Back up relay- O/C (R-PH) Ia=239.3A, Ib=235.1A, Ic=4.371A, Inm=0.0, Ind=0.0	Polasponga Tr.	00:03	-	-	0.000294	-	-							
235	Narasinghpur	09.05.22	15:40	15:56	00:16	220KV Narasinghpur-Meramundalli FDR	Fault type B-ph to GND, Dist. 46.4km, If=1.1kA	Narasinghpur	00:08	-	-	0.001014	-	-							
			15:40	15:48	00:08	220KV Narasinghpur-Bhanjanagar FDR	LBB Optd.														
236	Narendrapur	10.05.22	07:13	07:15	00:02	132kV Jagannathpur Traction Feeder	Tripped on directional O-C.Ir-1.00KAmp ,Ib=1.00KAmp	Jagannathpur Tr	00:02	-	-	0.000189	-	-							
237	Meramundali	10.05.22	15:24	16:51	01:27	400kV Meramundali- Kaniha ckt-II	At Meramundali End:- R-E, Dist-15.5km, If=10.24kA	-	-	-	-	-	-	-							
238	Mendhasal	11.05.22	04:49	06:08	01:19	132kV Mendhasal-Khurdha feeder	L2 - E, Distance= 21km	-	-	-	-	-	-	-							
239	Jayanagar	11.05.22	10:22	11:13	00:51	132KV Side Auto-1	Tripped due to flashover of insulator string- Charging of extension switchyard done after checking the insulation value-	Jayanagar Jayanagar Tr. } Tentulikhunti Mukhiguda	00:51 01:51 00:12	-	-	0.043383	-	-							
			10:22	11:13	00:51	132KV Side Auto-2															
			10:22	12:13	01:51	132KV Railway,Tentulikhunti, Meenaksi	DP relay operated at distance of 115-7 km- Zone-3														
			10:22	10:33	00:11	132 kV Dabugaon-Tentulikhunti fdr															
240	Polasponga	12.05.22	04:23	04:26	00:03	132kV Railway fdr	Back up relay- O/C (R-PH) Ia=239.6A, Ib=235.4A, Ic=4.038A, Inm=0.0, Ind=0.0	Polasponga Tr.	00:03	-	-	0.000294	-	-							
241	Bolangir Old	12.05.22	13:14	13:20	00:06	132kV Bolangir Old-Tusura	At Bolangir-O-C,E-F	Tusura, ACME } Saintala	00:06 00:19	-	-	0.002097	-	-							
			13:15	16:45	03:30	132kV Tusura- Saintala fdr	B-E fault at Saintala end [Tent pipe touching near Sairampada Saintala b/w Loc no-116 & 117]														
242	Bolangir Old	12.05.22	13:22	13:25	00:03	132kV Bolangir Old-Tusura	At Bolangir-E-F	Tusura, ACME	00:16	-	-	0.004049	-	-							
			13:25	13:33	00:08	132kV Kesinga- Bolangir Old															
			13:35	13:37	00:02	132kV Bolangir Old-Tusura															
			13:40	13:43	00:03	132kV Kesinga- Bolangir Old															
243	Bhanjanagar	13.05.22	10:34	14:38	04:04	220kV Meramundali Ckt-II	At Bhanjanagar End:- BC Trip, Z-1, D=42-25km, IB=2-83kA, IC=2-83kA At Meramundali End:- BC, Z-1, D= 93-8km, IB=2-93kA, IC=2-68kA	-	-	-	-	-	-	-							

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	1	2	3	4	5	6	7	8	9	10	11	12	13	14
244	Bhanjanagar	13.05.22	13:16	14:57	01:41	220KV Therubali Ckt-2	At Bhanjanagar End:- BC Trip, Z-1, D= 96-73km, IB=1-5kA, IC=1-5kA At Therubali End:- BC, Z-1, D= 66-54km, IB=2-6kA, IC=2-6 KA	-	-	-	-	-	-	-
245	KHARIAR	14.05.22	01:39	01:45	00:06	132KV KHARIAR-KANTABANJI LINE	Tripped from Khariar-Backup operated.	KANTABANJI, KANTABANJI Tr.	00:06	-	-	0.001501	-	-
246	Tarkera	14.05.22	14:05	15:46	01:41	220kV Budhipadar - Tarkera ckt-II	At Budhipadar End:- DP, Zone-1, B-E, If=2.22kA, Dist-87km At Tarkera End:- DP, Zone-1, If=10.41kA, R-E, Dist-6.3km	-	-	-	-	-	-	-
247	Nuapatna	15.05.22	02:21	02:56	00:35	132KV Nuapatna-Banki Line	R phase O-C, Ir- 2-14 kA, In-1-91 kA	-	-	-	-	-	-	-
248	Nuapatna	15.05.22	07:30	08:08	00:38	132KV Nuapatna- Khajuriakata-Denkhanal 'T' Line	R phase E-F, Distance- 29-44 km, Ir- 2-053 kA- At Khujuriakata end:- Relay indication, Y-N, zone 1, Iy- 1-86 kA, 42 km	-	-	-	-	-	-	-
249	Balugaon	15.05.22	11:10	11:13	00:03	132kV Solari traction feeder	B-U Relay operated- At Balugaon End:- Y-phase O-C, E-F, IL1=0A, IL2=0-27kA, IL3=0-27kA & M-T operated- Weather-cloudy	Solari tr	00:03	-	-	0.000189	-	-
250	Chainpal	15.05.22	16:00	18:04	02:04	132kV Chainpal- Angul fdr	O/C	-	-	-	-	-	-	-
251	Padampur	15.05.22	18:27	18:33	00:06	132 kV Nuapada-padampur line	At Padampur End:- Tripped phase-BC, Ia=77.18A, Ib=878.1A, Ic=796.8A, In=7.2A	Nuapada Nuapada Tr.	00:06	-	-	0.001548	-	-
252	Rajgangpur	15.05.22	19:06	19:50	00:44	132kV Rajgangpur - Budhipadar fdr	CGT, IR-116A, IY-118A, IB-1834A, IG-2004A, MT OPERATED, Zone- 1, Dist- 17.68km At Budhipadar End:- L3 TO N,LOC NO-1km, L3=1.07kA, IG=961A	-	-	-	-	-	-	-
253	Kuchinda	15.05.22	19:15	19:24	00:09	132kV Rajgangpur - Kuchinda fdr	Tripped on E-F ph Y- N,Ir=13.57A,Iy=916.8A,Ib=21.32A	-	-	-	-	-	-	-
254	Rajgangpur	15.05.22	21:24	22:47	01:23	132kV Rajgangpur - Budhipadar fdr	BGT, IR-17A, IY-1393A, IB-20A, IG-1409A, MT OPERATED, Zone- 1, Dist - 56.12km At Budhipadar End:- L3 TO N, LOC NO-1km, L3=1.07kA, G=961A	-	-	-	-	-	-	-
255	Jharsuguda	15.05.22	21:32	21:58	00:26	132kV Jharsuguda-Ultratech fdr	Dir O-C, Ia-124-3A, IB-33-38A, IC-7-79kA	Ultratech	00:26	-	-	0.004066	-	-
256	Kalunga	15.05.22	21:40	22:46	01:06	132 KV Kalunga-Budhipadar Ckt	Tripped due to bad weather	-	-	-	-	-	-	-

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										MW rescheduled or estimated capacity restriction affected	Time: This should match with hours of non-availability in a month in Format B-2 as the case may be			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
257	Budhipadar	15.05.22	21:51	23:47	01:56	220kV Budhipadar - Raigarh	At Budhipadar end:- DP, Zone-1, R-E, If=21.41kA, Dist-1.4km	-	-	-	-	-	-	-
258	Jharsuguda	15.05.22	22:16	16.05.22 08:01:00	09:45	132kV Jharsuguda-Lapanga fdr	Dir O-C, Ia-124-3A, IB-33-38A, IC-7-79kA	-	-	-	-	-	-	-
259	Joda	15.05.22	22:18	22:51	00:33	132kV Joda- Kenduposi fdr	Tripped at both end At Joda end:- B/U relay: O/C tripped fault current: IL1=1.61kA, IL2=1.60kA, IL3=0.02kA At Kenduposi end:- DP relay, Dist=0.3km, FL=L2-N, Zone-I, Fault Current: IL1=0.35kA, IL2=0.29kA, IL3=0.32kA	-	-	-	-	-	-	-
260	Maneswar	15.05.22	22:57	16.05.22 00:18:00	01:21	132kV Maneswar- Rairakhol fdr	At Maneswar End:- DP, Zone-1, B-ph to E, Dist-3.9km, If=4kA	-	-	-	-	-	-	-
261	KHARIAR	16.05.22	14:30	14:34	00:04	132KV KHARIAR-KANTABANJI LINE	Tripped from Khariar-Backup operated.	KANTABANJI, KANTABANJI Tr.	00:04	-	-	0.001001	-	-
262	Dabugaon	16.05.22	23:18	17.05.22 13:50:00	14:32	132 kV Dabugaon-Tentulikhunti fdr	At Tentulikhunti End:- DP, Zone-1, R-E, If=2.9kA, Dist-4.2km [R phase jumper snapped at Location 2]	-	-	-	-	-	-	-
263	Jayanagar	16.05.22	23:45	17.05.22 00:24:00	00:49	132KV Tentulikhunti-2	R-G, F-C-886A	-	-	-	-	-	-	-
264	Cuttack	17.05.22	01:00	01:08	00:08	132 kV Cuttack-Phulnakhara feeder	At Cuttack end:- Z1 trip,, dist=5-430km, C-G, Ia= 692mA, Ib= 412mA, Ic= 11-095A- At Phulnakhara end:- Z1, dist= 12-49km, A4,B4,C3179,N0	-	-	-	-	-	-	-
265	Somnathpur	17.05.22	08:00	11:18	03:18	132kV Emami fdr	Source failure	Emami	03:18	-	-	0.028838	-	-
266	Digapahandi	17.05.22	11:51	11:59	00:08	132kV Digapahandi-Mohana	E-F, Fault type-BGT, Zone-1 loc-30-07km, A-360, B-1661, C-159, G-1195	Mohana	00:45	-	-	0.003993	-	-
			13:14	17:05	03:51	132kV Digapahandi-Mohana	E-F, Fault type-BGT, Zone-1 loc-30-18km , A-375, B-1657, C-158, G-1150							
267	Bolangir Old	17.05.22	16:05	16:08	00:03	132kV Kesinga- Bolangir Old	O-C,E-F	Tusura ACME	00:03	-	-	0.000759	-	-
268	Polasponga	17.05.22	16:05	16:08	00:03	132kV Railway fdr	Back up relay- O/C (R-Ph) Ia=139.6A, Ib=198.6A, Ic=45.92A,Inm = 6.066A, Ind= 4.496A	Polasponga Tr.	00:05			0.00049		

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	1	2	3	4	5	6	7	8	9	10	11	12	13	14
			17:37	17:39	00:02		Back up relay- O/C (R-Ph) Ia=239.7A, Ib=206.9A, Ic=37.41A,Inm = 6.680A, Ind= 5.264A							
269	Nuapada	17.05.22	18:37	18:42	00:05	132 kV Nuapada-padampur line	Directional O/C	Nuapada Nuapada Tr.	00:05	-	-	0.00129	-	-
270	Chandbali GIS	18.05.22	07:09	07:17	00:08	132 kV Olaver -Chandbali ckt-I & II	Source failure	Chandbali	00:08	-	-	0.000892	-	-
271	Tarkera	18.05.22	08:10	19.05.22 16:08:00	31:58	220kV Tarkera- Bonai fdr	SPS	-	-	-	-	-	-	-
272	Kuchinda	18.05.22	09:30	09:36	00:06	132kV SMC(Incoming)	At SMC end:- Z1=13.73km, Ir=185A, Iy=4.32kA, Ib=74.8A	-	-	-	-	-	-	-
273	Narendrapur	18.05.22	11:26	11:30	00:04	220kV Narendrapur- Tata Ckt-II	Tripped on directional over current. A to C trip, Ia-201.1A, Ib-23.72A, Ic-162.5A.	-	-	-	-	-	-	-
			12:10	12:15	00:05		Tripped on directional over current. B - Phase N, Ia-43.78A, Ib-80.6A, Ic-55.16A.							
274	Jayanagar	18.05.22	13:48	13:53	00:05	132KV Sunabeda	Zone-1,29-6km,Y-G,3kA	Sunabeda HAL	00:05	-	-	0.001796	-	-
275	Chandbali GIS	18.05.22	15:04	15:06	00:02	Olaver -Chandbali ckt-I & II	Source failure	Chandbali	00:02	-	-	0.000223	-	-
276	Bolangir Old	18.05.22	16:23	16:27	00:04	132kV Tusura- Bolangir Old	O-C,E-F	Tusura ACME Saintala	00:12	-	-	0.003402	-	-
			16:23	16:45	00:22	132kV Saintala -Balangir								
			16:23	16:26	00:03	132kV Kesinga- Bolangir Old								
			16:55	17:07	00:12									
277	Chainpal	18.05.22	18:09	22:41	04:32	132kV Chainpal- FCI DC line	O-C-R,Y, B phase, Zone-1, fault distance=4-769km, fault current:-Ia=9-117kA, Ib=250-7A, Ic=285-8A (R-Phase jumper was snapped at loc no-06)	-	-	-	-	-	-	-
278	Narendrapur	19.05.22	14:13	14:17	00:04	220kV Narendrapur- Tata Ckt-II	Tripped on directional over current. C - Phase N, Ia-63.82A, Ib-48.91A, Ic-81.13A.	-	-	-	-	-	-	-
279	Kesinga	19.05.22	16:27	20.05.22 12:37:00	20:10	132kV Langigarh	DP	-	-	-	-	-	-	-
280	Digapahandi	20.05.22	05:18	06:10	00:52	132kV Digapahandi-Mohana	E-F, Fault type-BGT, Zone-1 loc-13-63km , A-114, B-2230, C-81, G-2035	Mohana	00:52	-	-	0.004615	-	-
281	Chandbali GIS	20.05.22	06:42	06:49	00:07	Olaver -Chandbali ckt-I & II	Source failure	Chandbali	00:12	-	-	0.001338	-	-
	15:20	15:25	00:05											
282	Chhend	20.05.22	07:42	07:44	00:02	132kV Nuagaon- Chhend fdr	Tripped on O-C R-Phase,IL1=0-22kA, IL2=0-22 kA	Nuagaon Tr.	00:02	-	-	0.000107	-	-
283	Jajpur Road	20.05.22	12:02	16:28	04:26	132kV Jajpur Road- Jajpur Town fdr	At Jajpur Road end:- DP, Zone-1, Dist-3.37km, Y-E fault, Iy=4.252kA	-	-	-	-	-	-	-

Particulars of Transmission elements not available resulting in loss of Transmission capacity and Grid Sub-stations affected.

Particulars of Transmission elements not available resulting in loss of Transmission capacity and Grid Sub-stations affected.														
Sl. No.	Substation	Date	From	To	Duration	Transmission element (Line / Tfr. / CB etc.)not available	Reason for non-availability of Transmission element (schedule maintenance outage / forced outage*)with details	Grid Sub-stations affected (it can be more than one)	Interruption time (Hr. Min.)	Extent of Generation Rescheduling required		Energy lost in MU	Area affected	Feeders affected
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
284	Jayapatna	20.05.22	14:25	14:41	00:16	132kV Dabugaon fdr	LBB Optd.[132KV Dabugaon fdr CB,132KV side CB of 40 MVA,Power Trf-1 & 2 Tripped on LBB during testing of Event Logger of 160MVA, Auto Trf-1by EMR]	-	-	-	-	-	-	-
285	JSPL	20.05.22	17:05	18:13	01:08	220kV JSPL- Jamshedpur fdr	DP	-	-	-	-	-	-	-
286	Bhograi	20.05.22	20:22	20:41	00:19	132kV Jaleswar -Bhograi fdr	DP, Yph-E, Z-1,7.9km, Ir-54.8A, IY-1043.4.A, Ib-141.0 A	-	-	-	-	-	-	-
287	Joda	21.05.22	01:32	04:32	03:00	220kV Joda -Ramchandrapur fdr	At Joda end:- DP Relay(Main-I) : Fault Distance -125.7km, Fault phase-ABC, Zone-02 Fault current :-Ia-1.35kA, Ib-1.69kA, Ic-1.694kA, DP main-2: Fault loop: ABN ,Dist :129.7km, Zone-II Fault current:A=1.36kA, B=1.67kA, C=373A, N=23A, G=23A, At Ramchandrapur end:- DP Relay : Dist=0.07km, Zone-04 Fault current:Ia=1.47kA, Ib= 1.57kA, Ic= 0.4kA [main bus jumper of R & Y-Ph snapped]	-	-	-	-	-	-	-
288	Chandbali GIS	21.05.22	07:22 12:22	07:33 12:28	00:11 00:06	Olaver -Chandbali ckt-I & II	Source failure	Chandbali	00:17	-	-	0.001895	-	-
289	Polasponga	21.05.22	15:28	15:30	00:02	132kV Railway fdr	Back up relay- O/C (R-Ph) Ia=240.4A, Ib=203.7A, Ic=47.49A,Inm = 6.346A, Ind= 5.549A	Polasponga Tr.	00:02	-	-	0.000196	-	-
290	Chhend	21.05.22	16:36	16:38	00:02	132kV Nuagaon- Chhend fdr	Tripped on distance protection, Loc=-11.87km, IA-4640A, IB=26A, IG=4665A	Nuagaon Tr.	00:02	-	-	0.000107	-	-
291	Narendrapur	21.05.22	16:39	16:42	00:03	220kV Narendrapur- Tata Ckt-II	Tripped on directional over current. C - Phase N Trip, Ia-57.80A, Ib-51.04A, Ic-80.57A.	-	-	-	-	-	-	-
292	Barbil	21.05.22	17:24	17:29	00:05	132kV Barbil - Bolani fdr	132KV Barbil-Joda fdr tripped due to E/F at only Barbil Grid S/S end with following relay indications At Barbil End:- E/F (B/U) FAULT CURRENT:- Ia-222.2A, Ib-306.3A, Ic-4.2kA, In-3.6kA [Wind storm]	BOLANI, ARYA STEEL, BRPL,KARAKHEN DRA SWITCHING S/S, NALDA, BEEKAY STEEL	00:05	-	-	0.001692	-	-

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										MW rescheduled or estimated capacity restriction affected	Time: This should match with hours of non-availability in a month in Format B-2 as the case may be			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
293	Joda	21.05.22	17:33	17:54	00:21	132kV Joda- Polaspanga fdr	Tripped at both end At Joda end:- DP relay, Fault Dist=4.92km, FL: L2-N,Zone-I, Fault Current: IL1=334.19A, IL2=7.742kA, IL3=308.57A & IN=7.136kA At Polaspanga End:- B/U relay: E/F, Zone-I, Fault Current: IL1=4A, IL2=271A, IL3=4A, Ig=274A [Bad weather]	Polaspanga Polaspanga Tr. OSISL MSP ESIL	00:21	-	-	0.020194	-	-
294	Budhipadar	21.05.22	17:55	22.05.22 16:09:00	#WERT!	220kV Budhipadar - Korba ckt-I	At Budhipadar end:- R-E, If=23.5kA, Dist-1km [Earth conductor snapped at Loc no-6 & 7.]	-	-	-	-	-	-	-
295	Rajgangpur	21.05.22	18:14	19:15	01:01	132kV Rajgangpur - Budhipadar fdr	BGT,ZONE-1,LOC 58.64km, IR=17A, IY=1354A, IB=20A, IG=1367A, Master trip optd. [Heavy lighting and rainfall]	-	-	-	-	-	-	-
296	Budhipadar	21.05.22	18:27	22.05.22 16:13:00	21:46	220kV Budhipadar - Raigarh	At Budhipadar end:- Y-E, If=6.18kA, Dist-12.19km [Bad weather]	-	-	-	-	-	-	-
297	Kalunga	21.05.22	18:55	19:47	00:52	132 KV Kalunga-Budhipadar Ckt	Tripped due to bad weather	-	-	-	-	-	-	-
298	Lapanga	21.05.22	19:59	23:00	03:01	400kV Lapanga- VAL ckt-I	At Lapanga end:- Y-ph to E, Zone-1, Dist-11.07km, If=14.46kA At VAL end:- Y-ph to E, Dist-8.6km, If=15kA	-	-	-	-	-	-	-
299	Bolangir Old	21.05.22	20:03	20:16	00:13	132kV Bolangir New-I	Supply failed from source	Bolangir Tusura ACME }	00:13 00:25	-	-	0.016207	-	-
			20:03	20:16	00:13	132kV Bolangir New-II	Supply failed from source							
			20:03	20:28	00:25	132kV Kesinga- Bolangir Old	O-C,E-F							
300	New Duburi	21.05.22	21:06	21:06	00:00	400kV New Duburi- Baripada fdr	At New Duburi End:- R-ph to E, Zone-1, If=7.5kA, Dist-23.7km At Baripada End:- R-ph to E, Zone-1, If=2.43kA, Dist-135.2km	-	-	-	-	-	-	-
301	Rajgangpur	21.05.22	21:10	23:51	02:41	132kV Rajgangpur - Budhipadar fdr	AGT , IR-3054A, IY-44, IB-161A, IG-3202, MT OPERATED, Zone- 1, Dist-15.91km [Heavy lighting and rainfall]	-	-	-	-	-	-	-
302	Meramundali	21.05.22	22:20	22:45	00:25	400kV Meramundali- Kaniha ckt-II	At Meramundali End:- R-E, Dist-15.6km, If=10.28kA At Kaniha End:- If=9.07kA, Dist-36.81km	-	-	-	-	-	-	-
303	Lapanga	21.05.22	23:00	22.05.22 01:17:00	02:17	400kV Lapanga- VAL ckt-I	At Lapanga end:- B-ph to E, If=21.6kA	-	-	-	-	-	-	-

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Sl. No.	Substation	Date	From	To	Duration	Transmission element (Line / Tfr. / CB etc.)not available	Reason for non-availability of Transmission element (schedule maintenance outage / forced outage*)with details	Grid Sub-stations affected (it can be more than one)	Interruption time (Hr. Min.)	Extent of Generation Rescheduling required		Energy lost in MU	Area affected	Feeders affected
										MW rescheduled or estimated capacity restriction affected	Time: This should match with hours of non-availability in a month in Format B-2 as the case may be			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
304	Meramundali	21.05.22	23:05	22.05.22 03:49:00	05:44	400kV Meramundali- Kaniha ckt-II	At Meramundali End:- R-E, Dist-16.3km, If=8.6kA	-	-	-	-	-	-	-
305	Kalunga	21.05.22	23:08	22.05.22 00:08:00	01:00	132 KV Kalunga-Budhipadar Ckt	R-ph to E, If=1.95kA, Dist-24.94km [Tripped due to bad weather]	-	-	-	-	-	-	-
306	Meramundali	22.05.22	01:54	09:17	07:23	132kV Meramundali- RML FAD fdr	At Meramundali End:- DP, Zone-1, R-E, Dist-1.4km, If=12.24kA	-	-	-	-	-	-	-
307	Kharagprasad	22.05.22	01:55	02:05	00:10	132kV NBVL ckt-I	O-C, E-F	-	-	-	-	-	-	-
308	Rairakhol	22.05.22	03:29	03:32	00:03	132 kV Rairakhol- Boinda fdr	At Boinda- DP operated	-	-	-	-	-	-	-
309	Meramundali	22.05.22	03:49	05:19	01:30	400kV Meramundali- Kaniha ckt-II	At Meramundali End:- R-E, Dist-16.3km, If=8.6kA	-	-	-	-	-	-	-
310	Nuapatna	22.05.22	06:35	07:19	00:44	132KV Nuapatna-Banki Line	E-F, If- 1-053 kA	-	-	-	-	-	-	-
311	Chandbali GIS	22.05.22	07:36 13:40	07:47 13:44	00:11 00:04	Olaver -Chandbali ckt-I & II	Source failure	Chandbali	00:15	-	-	0.001672	-	-
312	Jayanagar	22.05.22	13:01 13:01	13:28 14:42	00:27 01:41	220KV Balimela ckt-1 220KV Balimela ckt-2	No indication B-G,Zone-1, 9-1kmF-C-4-5kA	-	-	-	-	-	-	-
313	Theruvali	22.05.22	14:16	15:05	00:49	220kV Theruvali- Gunupur fdr	At Theruvali end:- DP, Zone-2, Bph to E, Dist-58.3km, If=2.38kA At Gunupur end:- Zone-1, B-ph to E, Dist-2.34km	-	-	-	-	-	-	-
314	Thuapali	22.05.22	19:18	19:53	00:35	132kV Bargarh fdr	DP operated [Heavy winds]	-	-	-	-	-	-	-
315	Kalunga	22.05.22	19:29	19:46	00:17	132 KV Kalunga-Budhipadar Ckt	Zone-1, Y-ph to E, If=2.39kA, Dist-36.6km [Tripped due to bad weather]	-	-	-	-	-	-	-
316	Rajgangpur	22.05.22	19:34	20:41	01:07	132kV Rajgangpur - Budhipadar fdr	CGT, IR-137A, IY-160A, IB-1853A, IG-2058A, MT OPERATED, Zone- 1, Dist-17.26km [Heavy lighting and rainfall] At Budhipadar End:- B Ph to E IB=1.32KA	-	-	-	-	-	-	-
317	Thuapali	23.05.22	00:50	00:58	00:08	132kV Katapali fdr	DP operated [Heavy winds]	-	-	-	-	-	-	-
318	Chatrapur	23.05.22	01:27	01:32	00:05	132KV Chatrapur-Ganjam ckt	O-C(R Phase) E-F with M-R Z-1, Dist=6-22km, IR=3865A , IY=62A, IB=95A, IG=3825A	-	-	-	-	-	-	-

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	1	2	3	4	5	6	7	8	9	10	11	12	13	14
319	Joda	23.05.22	09:48	10:49	01:01	220kV Joda -Ramchandrapur fdr	At Joda end:- DP Relay(Main-I) : A/R optd. Fault Distance -2.32KM ,ZONE-I Fault current :-Ia=495.5A, Ib=1.304KA, Ic=430.9A, DP main-2: A/R optd. Fault loop: BGT ,Dist :12.24KM, Zone-I Fault current:A=524A, B=2592A, C=389A, N=3191A, G=3193A, At Ramchandrapur end:- DP Relay : Dist=118.5km, Zone-02 Fault current:- Ia=0.04kA, Ib= 2.09kA, Ic= 2.08kA	-	-	-	-	-	-	-
320	Joda	23.05.22	10:49	10:55	00:06	220kV Joda -TSIL FDR.	At Joda end:- Inter connection relay power trip relay optd. Fault current:- Ia=64.21A, Ib=64.76A, Ic=62.38A At TSIL end:- Vector shift relay optd. Ia=15.5A, Ib=194.5A, Ic=94.5A	-	-	-	-	-	-	-
321	Choudwar	23.05.22	12:49	12:59	00:10	132kV Bidanasi- Choudwar fdr	DP relay operated with following indications- Zone-I, Distance-1-086km, Iy-8-809kA, Ib-8-629kA	Choudwar Choudwar Tr. Mania TS Alloys Arati	00:21 00:33 00:29 00:29			0.034178		
			12:59	18:46	05:47		DP relay operated with following indications- Zone-IV, Distance-14-74km, Iy-8-809A, Ib-8-629kA At Choudwar end:- O-C R phase ,B phase							
			12:57	13:19	00:22	132 kV Choudwar - ICCL Ckt-II	interrupted due to main supply fail at ICCL end							
			12:57	13:19	00:22	132 kV Choudwar-Kendrapara Traction	Interrupted due to main supply fail							
			12:57	13:26	00:29	132 kV Choudwar -TS Alloys fdr	O-C R phase tripped at TS alloys end							
			12:58	19:17	06:19	132kV ICCL- Mania fdr	Incomer Failure							
			12:58	13:31	00:33	132kV Mania -OCL fdr	Incomer Failure							
			12:59	19:18	06:19	132 kV ICCL-Salipur feeder	Incomer failure at Grid Substation, Choudwar							
			12:59	17:00	04:00	132KV Nuapatna-Arati Line	R phase E-F, Zone -1, Distance- 45-34 km, Ir- 977-7 A- At Arati end- R Phase O-C At Nuapatna end:- DP, Zone-1, R-ph to E, Dist-45.3km, If=0.977kA							

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	1	2	3	4	5	6	7	8	9	10	11	12	13	14
322	Shyam DRI	23.05.22	14:30	19:57	05:27	132kV Shyam DRI- Aryan fdr	B-ph jumper snapped at Loc no-114	-	-	-	-	-	-	-
323	Jayanagar	23.05.22	15:50	16:17	00:27	132KKV Railway	Zone-1,6-2km,R-G, 6-6kA	Jayanagar Tr.	00:27	-	-	0.004236	-	-
324	Budhipadar	23.05.22	18:01	20:52	02:51	220kV Budhipadar- Tarkera ckt-I	At Budhipadar end:- Dist-13km, If=5.96kA At Tarkera end:- DP, Zone-1, B-ph to E, Dist-92km, If=1.6kA	-	-	-	-	-	-	-
325	Budhipadar	23.05.22	19:31	24.05.22 00:51:00	05:20	220kV Budhipadar - Korba ckt-I	Tripped [Bad weather]	-	-	-	-	-	-	-
326	Rajgangpur	23.05.22 22:27:00	22:27	23:26	00:59	132kV Rajgangpur - Budhipadar fdr	CGT, IR-186A, IY-207A, IB-1860A, IG-2090A, MT OPERATED, Zone- 1, Dist-17.22km [Lighting and rainfall] At Budhipadar End:- L3 TO N, LOC NO-52.44km, L1=17.3A, L2=18.3A, L3=5.14kA	-	-	-	-	-	-	-
327	Budhipadar	23.05.22	22:42	23:02	00:20	220kV Budhipadar - IBTPS ckt-III	Tripped [Bad weather]	-	-	-	-	-	-	-
328	Tarkera	24.05.22	01:29	09:55	08:26	Auto- I	Buchholz relay operated.	-	-	-	-	-	-	-
329	Dhenkanal	24.05.22	02:36	12:47	10:11	132kV Dhenkanal- Joranda fdr	R-ph conductor snapped	Joranda Tr.	10:11	-	-	0.084872	-	-
330	Jagatsinghpur	24.05.22	03:28	03:33	00:05	132kV Tirtol - Jagatsinghpur fdr	At Tirtol End:- DP relay -Zone 1, Dist-22-15 km, B-G, Ic-1-88 kA At Jagatsinghpur End:- -NIL [lighting & thuderstorm-]	Jagatsinghpur Jagatsinghpur Tr.	00:11	-	-	0.006125	-	-
			03:36	06:40	03:04	At Tirtol End:- DP relay -Zone 1,22-08 km,B-G,Ic-1-88 Ka At Jagatsinghpur End:- Ia-0-47kA, Ib-0-4kA, Ic-0-44kA, Zone -1, Distance 3-3km [lighting & thuderstorm-]								
331	Kesura	24.05.22	03:39	04:08	00:29	132kV Ranasinghpur feeder	Over Voltage	Kesura	00:16	-	-	0.020387	-	-
			03:42	03:58	00:16	132kV Pratapsasan feeder	[Heavy wind and Rain]							
332	Nuapatna	24.05.22	09:11	12:05	02:54	132KV Nuapatna-Arati Line	At Nuapatna end:- DP, Zone-1, R-ph to E, Dist-32.5km, If=9.96kA At Arati end:-B Phase O-C and E-F	Arati	00:31	-	-	0.000297	-	-
			12:17	16:41	04:24	R phase E-F, Zone -1, Ir- 546-1 A- At Arati end:- B phase E-F								
333	Chhend	24.05.22	11:24	11:44	00:20	132kV Nuagaon- Chhend fdr	Interrupted due to Incoming P-S failed-	Chhend Nuagaon Tr. Adhunik	00:20	-	-	0.019928	-	-
			11:24	11:44	00:20	132kV Tarkera -Chhend Ckt-I	Tripped on O-C B-Phase at Tarkera							
			11:24	12:27	01:03	132kV Tarkera -Chhend Ckt-II	Tripped distance prrotection ,(Y, B) Phase, Zone-1, locaton=1-36 Km,IR-113, IB-4869, IC=4958, G=13							

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Sl. No.	Substation	Date	From	To	Duration	Transmission element (Line / Tfr. / CB etc.)not available	Reason for non-availability of Transmission element (schedule maintenance outage / forced outage*)with details	Grid Sub-stations affected (it can be more than one)	Interruption time (Hr. Min.)	Extent of Generation Rescheduling required MW rescheduled or estimated capacity restriction affected Time: This should match with hours of non-availability in a month in Format B-2 as the case may be	Energy lost in MU	Area affected	Feeders affected	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
334	Theruvuli	24.05.22	14:03	25.05.22 07:15:00	17:12	220kV Theruvuli- Upper Kolab fdr	At Theruvuli end:- DP, Zone-1, Bph to E, Dist-85.93km, Ib=1.467kA	-	-	-	-	-	-	-
335	Jayanagar	24.05.22	20:42	21:49	01:07	132KKV Railway	Zone-1,R-G,1-5km,F-C-9-37kA	Jayanagar Tr.	01:07	-	-	0.010511	-	-
336	Jayanagar	24.05.22	21:06	21:12	00:06	132KV Podagada	Zone-1,7-8km,Y-G,F-C-1-5kA	Podagada Akhusingh	00:06	-	-	0.001315	-	-
337	Kantabanji	25.05.22	11:37	12:46	01:09	132kV Kantabanji RTSS Fdr	Tripped - RECTIFICATION OF HOT SPOT AT R PHASE JUMPER AT LOC NO. 18	Kantabanji RTSS	01:09	-	-	0.002592	-	-
338	Kendrapada	25.05.22	11:37	12:46	01:09	132kV Kendrapara - Paradeep ckt-II	Local End:- Tripped on E-F with M-R, B-PH, IB-1-5kA Remote End:-DP, Zone-1,Dist-4-97 km, B-Ph, Ib=4-303 kA	-	-	-	-	-	-	-
339	Nuapatna	25.05.22	11:49	12:01	00:12	132KV Nuapatna-Arati Line	B phase O-C and E-F, Zone -1, Distance-46-13 km, Ib- 1-547 kA- At Arati end:-Y phase O-C	Arati	00:12	-	-	0.000115	-	-
340	Chandbali GIS	25.05.22	12:00 14:53	12:03 14:55	00:03 00:02	Olaver -Chandbali ckt-I & II	Source failure	Chandbali	00:05	-	-	0.000557	-	-
341	Umerkote	25.05.22	15:34	15:45	00:11	132kV Dabugaon- Umerkote Line	Incomer failed from Dabugaon end	Umerkote	00:11	-	-	0.003911	-	-
342	Bhawanipatna	25.05.22	16:00 19:14	19:18 19:23	03:18 00:09	132kV Kesinga Incoming 132kV Bhawanipatna- Junagarh fdr	Failed from Kesinga Tripped at Junagarh end-	Bhawanipatna Lanjigarh Tr.	00:04	-	-	0.001458	-	-
343	Meramundali	26.05.22	08:24	11:53	03:29	400kV Meramundali- Lapanga ckt-II	At Meramundali End:- Y-E, Dist-18.2km, If=8.24kA At Lapanga End:- If=2.56kA, Dist-149.7km	-	-	-	-	-	-	-
344	Jharsuguda	26.05.22	11:55	12:10	00:15	132kV Jharsuguda-Ultratech fdr	Dir O-C	Ultratech	00:15	-	-	0.002346	-	-
345	Jayapatna	26.05.22	13:43 19:13	14:28 19:23	00:45 00:10	220kV Indravati fdr	O-C (B-Ph) & E-F with Master Trip 1 & 2, Zone-2 Indication, Fault Location-11-41 km O-C (B-Ph) & E-F , Zone-1 Indication, Fault Location-13-3km	-	-	-	-	-	-	-
346	Thuapali	26.05.22	14:30	15:30	01:00	132kV Bargarh fdr	DP operated [Heavy winds]	-	-	-	-	-	-	-
347	Barbil	26.05.22	16:56	17:05	00:09	132kV Barbil - Bolani fdr	132KV Barbil-Joda fdr tripped due to E/F at both Barbil & Bolani Grid S/S end with following relay indications At Barbil End:- (B/U), FAULT CURRENT: Ia-284.4A, Ib-450.1A, Ic-4.2kA, In-3.49kA At Bolani End:- E/F (Electromagnet) [Heavy Rainfall & Wind storm]	BOLANI, ARYA STEEL, BRPL,KARAKHEN DRA SWITCHING S/S, NALDA, BEEKAY STEEL	00:09	-	-	0.003045	-	-

Particulars of Transmission elements not available resulting in loss of Transmission capacity and Grid Sub-stations affected.

Particulars of Transmission elements not available resulting in loss of Transmission capacity and Grid Sub-stations affected.														
Sl. No.	Substation	Date	From	To	Duration	Transmission element (Line / Tfr. / CB etc.)not available	Reason for non-availability of Transmission element (schedule maintenance outage / forced outage*)with details	Grid Sub-stations affected (it can be more than one)	Interruption time (Hr. Min.)	Extent of Generation Rescheduling required		Energy lost in MU	Area affected	Feeders affected
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
348	Bhanjanagar	27.05.22	11:01	15:55	04:54	220 KV Therubali Ckt 1	At Bhanjanagar End:- AN, Z-1, D=55-06km, IA=2-09kA At Therubali End:- R Ph to E-F, Z-1, D=115km, IR=1-14 kA	-	-	-	-	-	-	-
349	Ranasinghpur	27.05.22	11:59	11:59	00:00	132kV Chandaka- Ranasinghpur fdr	DP Relay operated at GSS,Chandaka end. Tripped on O/C, C-Phase Z1, AR successful. Only Z-2 picked up at GSS,Ranasinghpur end.	-	-	-	-	-	-	-
350	Katapali	27.05.22	13:18	13:42	00:24	220kV Lapanga- Katapali ckt-II	O/C E/F	-	-	-	-	-	-	-
351	Sambalpur	27.05.22	13:48	14:04	00:16	132 kV BurlaPH - Sambalpur Feeder	Tripped from Burla-PH end only.	Shyam DRI	00:21	-	-	0.004705	-	-
			15:52	16:25	00:33									
			13:49	14:10	00:21	132 kV SDRI - Sambalpur Feeder	Tripped from SDRI end only.							
352	Lapanga	27.05.22	15:55	28.05.22 10:28:00	18:33	132kV Jharsuguda-Lapanga fdr	Dir O-C ,E-F	Aryan	01:04	-	-	0.000147	-	-
			15:55	28.05.22 01:17:00	09:22	220kV Budhipadar- Lapanga ckt-I	Y-ph jumper snapped							
			15:55	28.05.22 01:18:00	09:23	220kV Budhipadar- Lapanga ckt-II								
			15:55	28.05.22 01:17:00	09:22	220kV Katapali - Lapanga ckt-I								
			15:55	28.05.22 01:17:00	09:22	220kV Katapali - Lapanga ckt-II								
			15:55	28.05.22 01:17:00	09:22	Auto- I								
			15:55	28.05.22 01:17:00	09:22	Auto- II								
			15:55	28.05.22 00:53:00	08:58	ICT-I								
			15:55	28.05.22 00:43:00	08:48	ICT-II								
			15:55	28.05.22 01:17:00	09:22	132kV Lapanga- Aryan fdr								
			15:55	28.05.22 10:41:00	18:46	132kV Lapanga- Burla ckt-I & II								
353	Sambalpur	27.05.22	16:25	28.05.22 09:42:00	17:17	132 kV Shyam DRI - Sambalpur Feeder	132kV System voltage very low 113kV, At 220KV sytem outage at Lapanga GSS	Shyam DRI	17:17	-	-	0.232313	-	-
354	Kalunga	27.05.22	17:12	17:55	00:43	132 KV Kalunga-Budhipadar Ckt	R-ph to E, If=2.39kA, Dist=39km [Tripped due to bad weather]	-	-	-	-	-	-	-
355	Chatrapur	28.05.22	06:34	06:45	00:11	132KV Chatrapur-IRE 2 ckt	O-C(B Phase) E-F with M-R Z-1, Dist=0-732km, IR=30-1A , IY=43-9A, IB=5-225kA, IN=5185A	-	-	-	-	-	-	-

Particulars of Transmission elements not available resulting in loss of Transmission capacity and Grid Sub-stations affected.

Particulars of Transmission elements not available resulting in loss of Transmission capacity and Grid Sub-stations affected.														
Sl. No.	Substation	Date	From	To	Duration	Transmission element (Line / Tfr. / CB etc.)not available	Reason for non-availability of Transmission element (schedule maintenance outage / forced outage*)with details	Grid Sub-stations affected (it can be more than one)	Interruption time (Hr. Min.)	Extent of Generation Rescheduling required		Energy lost in MU	Area affected	Feeders affected
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
356	Bhanjanagar	28.05.22	11:09	11:22	00:13	220 KV Therubali Ckt 1	At Bhanjanagar End:- AN, Z-2, D= 228-9km, IA=810-1 A At Therubali End: R Ph to E-F	-	-	-	-	-	-	-
357	Bhanjanagar	28.05.22	15:22	16:03	00:41	132 KV Aska Old Ckt 1	CAT, Z-1, 13-94 km, IA= 2-55 kA, IC= 2-46 kA[HEAVY LIGHTENING AND RAIN]	-	-	-	-	-	-	-
			15:22	16:03	00:41	132 KV Aska Old Ckt 2	ABCT, Z-1, 19-74 km, IA= 2-68 kA, IB = 4-41 kA, IC = 2-82 kA							
358	Tarkera	28.05.22	15:28	21:14	05:46	220kv Tarkera- Chandiposi fdr	SPS	-	-	-	-	-	-	-
359	Digapahandi	28.05.22	16:11	16:27	00:16	132kV Digapahandi-Berhampur ckt	E-F, Fault type-CGT, Zone-1 loc-22-03km , A-6, B-7, C-1728, G-1734	-	-	-	-	-	-	-
360	Chatrapur	28.05.22	16:32	16:50	00:18	132kV Balugaon- Chatrapur fdr	Failed at Chhatrapur end due to tripping of 132kv Chatrapur-N-pur ckt-I & II because of Tower collapsed at Loc no-15 of N-pur-Chptr Line- Weather-Heavy thunderstorm at chatrapur end & At Balugaon end-no tripping, Weather-cloudy- P-S was availed from Chandpur Grid at 16:50 Hrs-	Balugaon Solari Tr. Chhatrapur Rambha Tr. Ganjam Grasim	00:18 00:27			0.034482		
			16:32	16:50	00:18	132kV Solari traction feeder								
			16:32	29.05.22 03:39:00	36:33	132KV Chatrapur-IRE-1 ckt	O-C(B Phase), with M-R Z-1, IR=0-04kA, IY=0-06A, IB=3-4kA							
			16:32	16:59	00:27	132KV Chhatrapur-Ganjam Feeder	Power Supply Failure for Chatrapur end							
			16:32	17:20	00:48	132KV Chatrapur-Narendrapur Ckt-1	O-C(B Phase), E-F with M-R Z-1, Dist=2-68km, IR=64A, IY=214A, IB=2157A, IG=2360A							
			17:20	24.05.22 09:17:00	640:45		Tripped on distance fault.(Micomp444) C to N ,Zone-I ,Dist-9.801Km ,Ia-65.09amp ,Ib-244.2Amp ,Ic-3.546KAmp.At Chatrapur end:C to G, zone I,Dist-2.68km,Ia-64amp,Ib-214amp,Ic-2157amp,Ig-2360amp [chatrapur DC line 15 no tower collapsed due to kalabaisakhi storm]							
			16:32	24.06.22 09:17:00	640:45	132kv Narendrapur-Chatrapur Ckt-II	Tripped on distance fault.(SEL311C) A-B Trip ,Zone-I ,Dist-9.27Km ,Ia-5076Amp ,Ib-4726Amp ,Ic-357Amp.At Chatrapur end:ABC trip,Dist-6.08km,Ia-278.2amp,Ib-422.6amp,Ic-337.3amp							

Particulars of Transmission elements not available resulting in loss of Transmission capacity and Grid Sub-stations affected.

Particulars of Transmission elements not available resulting in loss of Transmission capacity and Grid Sub-stations affected.														
Sl. No.	Substation	Date	From	To	Duration	Transmission element (Line / Tfr. / CB etc.)not available	Reason for non-availability of Transmission element (schedule maintenance outage / forced outage*)with details	Grid Sub-stations affected (it can be more than one)	Interruption time (Hr. Min.)	Extent of Generation Rescheduling required		Energy lost in MU	Area affected	Feeders affected
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
361	Narendrapur	28.05.22	16:40	16:40	00:00	132kV Jagannathpur Traction Feeder	Tripped on directional O-C.Ir-1.00KAmp ,Ib-1.00KAmp	-	-	-	-	-	-	-
362	Balasore	28.05.22	17:16	29.05.22 13:57:00	20:40	220KV Balasore-New Duburi feeder	At Balasore end:- Main-I: A -N,Z-1, fault distance-5.471km, fault current-Ia=6.437kA, Ib=321.9 A, Ic=257.7A, Main-II: Z-I, Fault Loop-L1-N, Dist-5.1937km, IL1=6359.89A, IL2=315.97A, IL3=253.88A At New Duburi end:- Main-I:Not operated. Main-II : R-N,Z-2,Dist-142.1km,Ir=1.421kA, Iy=291A, Ic=242A [At loc no-425(T), R-Ph Jumper insulator string snapped.]	-	-	-	-	-	-	-
363	Nuapatna	28.05.22	19:43	29.05.22 13:33:00	17:50	132KV Nuapatna- Khajuriakata-Denkhanal 'T' Line	Y phase E-F [Y phase CT was burst at Nuapatna end]	Khajuriakata	00:15			0.001488		
			19:43	19:58	00:15	132kV Meramundali- Khajuriakata fdr	Y-ph CT burst			-	-		-	-
364	Khuntuni	28.05.22	20:17	20:55	00:38	Incomer Failure	Tripped	-	-	-	-	-	-	-
365	Barpali	29.05.22	11:31	11:36	00:05	132kV Barpali- Bolangir fdr	Source failure	Barpali Dunguripali Tr.	00:05			0.002872		
			11:31	11:36	00:05	132kV TRF-1				-	-		-	-
			11:31	11:36	00:05	132kV TRF-2								
			11:31	11:36	00:05	132kV RTSS fdr								
366	Budhipadar	29.05.22	12:21	14:17	01:56	220kV Budhipadar - Korba ckt-I	At Budhipadar end:- DP, Zone-1, B-E, If=2.8kA, Dist-43.7km	-	-	-	-	-	-	-
			14:35	20:27	05:52	At Budhipadar end:- DP, Zone-1, B-E, If=2.58kA, Dist-37.7km								
367	Sadaipali	29.05.22	15:34	16:00	00:26	132 KV Sadaipali-Patanagarh Ckt.-2	Tripped on operation of Distance Protection relay.	Patnagarh Padampur	00:26			0.025897		
			15:34	16:00	00:26	132 KV Sadaipali-Patanagarh Ckt.-1	tripped On operation of of B/U O/C & E/F Relay.	Nuapada Nuapada Tr.		-	-		-	-
			15:34	16:00	00:26	132 kV Nuapada-padampur line	Tripped from Bolangir side							
			15:34	16:00	00:26	132kV Padampur-Patnagarh Line	[Lightening and heavy rain]							
368	Kalunga	29.05.22	19:40	20:55	01:15	132 KV Kalunga-Budhipadar Ckt	Tripped due to bad weather	-	-	-	-	-	-	-
369	Tarkera	29.05.22	19:41	21:02	01:21	220kV Tarkera- Budhipadar ckt-I & II	Bad weather	-	-	-	-	-	-	-

Particulars of Transmission elements not available resulting in loss of Transmission capacity and Grid Sub-stations affected.

Particulars of Transmission elements not available resulting in loss of Transmission capacity and Grid Stations affected.														
Sl. No.	Substation	Date	From	To	Duration	Transmission element (Line / Tfr. / CB etc.)not available	Reason for non-availability of Transmission element (schedule maintenance outage / forced outage*)with details	Grid Sub-stations affected (it can be more than one)	Interruption time (Hr. Min.)	Extent of Generation Rescheduling required		Energy lost in MU	Area affected	Feeders affected
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
370	Rajgangpur	29.05.22	20:10	20:58	00:48	132kV Rajgangpur - Budhipadar fdr	AGT, IR-1634A, IY-110A, IB-164A, IG-1814A, MT OPERATED, Zone- 1, Dist-33.87km [Lighting and rainfall] At Budhipadar End:- L1 TO N, LOC NO-53.87km, L1=1.8kA	-	-	-	-	-	-	-
371	New Duburi	30.05.22	01:04	15:52	14:48	400kV New Duburi- TSL ckt-I	Tripped in R-ph line differential, If=7.1kA	-	-	-	-	-	-	-
372	Chandikhole	30.05.22	01:10	03:46	02:36	132kV Chandikhol -Jajpur Road Ckt-1	Tripped with DP relay, Zone-1, R-Ph, 12km	Chandikhole	00:15	-	-	0.010386	-	-
373	New Duburi	30.05.22	01:12	01:12	00:00	220kV New Duburi- Bhadrak fdr	At New Duburi End:- B-ph to E, Zone-1, Dist-8.3km At Bhadrak End:- Zone-1, B-ph Trip, Dist=49.82km, IC=1.602kA	-	-	-	-	-	-	-
374	Balasore	30.05.22	01:13	12:09	10:56	220KV Balasore-New Duburi feeder	At Balasore end:- Main-I: A -N,Zone-2, fault distance-127.2km, fault current-Ia=1.148kA, Ib=74.49 A, Ic=85.58A, Main-II: Fault Loop-L1-N, Zone-2, Dist-123.27 km, Fault current IL1=1195.42A, IL2=59.13A, IL3=74.05A At New Duburi end:- Main-I: R-Ph trip,Zone-1, Fault Current IL1=8.56kA, Main-II :- R-N, Z-1, Dist-10.67km, IL1=9.035kA	-	-	-	-	-	-	-
375	Tusura	30.05.22	15:05	15:07	00:02	132kV Tusura -Balangir	Tripped	Tusura, ACME Saintala	00:02	-	-	0.000567	-	-
376	Kesinga	30.05.22	15:08	15:23	00:15	132kV Saintala -Balangir	O-C, Y-ph & B-ph, Ib=1.71kA, Iy=1.5kA	Tusura, ACME Saintala	00:15	-	-	0.004253	-	-
377	Tarkera	30.05.22	17:32	17:50	00:18	220kV Tarkera- Rourkela PG ckt-I	B/U relay operated	-	-	-	-	-	-	-
378	Rajgangpur	30.05.22	18:51	20:23	01:32	132kV Rajgangpur - Tarkera fdr	AGT, IR-1507A, IY-178A, IB-58A, IG-1302A, MT OPERATED, Zone 1, Dist-25.84km At Tarkera End:- -AGT, IR-14437A, IY-414A, IB-211A, IG-15058A, MT OPERATED, Zone 1, Dist-1.12km	-	-	-	-	-	-	-

Particulars of Transmission elements not available resulting in loss of Transmission capacity and Grid Sub-stations affected.

Particulars of Transmission elements not available resulting in loss of Transmission capacity and Grid Sub-stations affected.														
Sl. No.	Substation	Date	From	To	Duration	Transmission element (Line / Tfr. / CB etc.)not available	Reason for non-availability of Transmission element (schedule maintenance outage / forced outage*)with details	Grid Sub-stations affected (it can be more than one)	Interruption time (Hr. Min.)	Extent of Generation Rescheduling required		Energy lost in MU	Area affected	Feeders affected
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
379	Rajgangpur	30.05.22	22:57	31.05.22 16:40:00	17:43	132kV Rajgangpur - Budhipadar fdr	AGT, IR-1405A, IY-18A, IB-19A, IG-1423A, MT OPERATED, Zone 1, Dist-58.85km At Budhipadar End:- L1 TO N, IL1-1.57kA, IG-1.55kA, LOC NO-59.74km [R-PHASE JUMMPER SNAPPED AT LOC-39 (UNDER TL BUDHIPADAR)]	-	-	-	-	-	-	-
380	Jharsuguda	31.05.22	08:21	08:55	00:34	132 kV Jharsuguda- Budhipadar ckt-2	B-phase CT Brust	Ultratech	01:16	-	-	0.011886	-	-
			08:21	09:37	01:16	132 kV Jharsuguda- Budhipadar ckt-1	Dir O-C							
			08:21	09:37	01:16	132kV Jharsuguda-Ultratech fdr								
381	Kalunga	31.05.22	08:26	09:15	00:49	132 KV Kalunga-Budhipadar Ckt	Tripped due to bad weather	-	-	-	-	-	-	-
382	Bhograi	31.05.22	16:20	17:18	00:58	132kV Kucheir - Bhograi fdr	DP, Bph-E, Z-1, 60.3km, Ir-88.1A, IY-141.6A, Ib-732.5 A	-	-	-	-	-	-	-
383	Bhadrak	31.05.22	18:42	19:11	00:29	132kV Bhadrak - DPCL ckt-I fdr	At Bhadrak End:- R Ph to E, Zone-1, Active Group-1, Fault Duration-121.7 ms, Dist-49.60km, Ia-1.649kA, Ib-15.18A, Ic-14.04A, Rf-3.227Ω	DPCL	00:29	-	-	0.004038	-	-
384	Lapanga	01.06.22	10:35	19:02	08:27	400kV Lapanga - Meramundali ckt-I	BPH-G, DIST-24-6km,IL3-9-97kA	-	-	-	-	-	-	-
385	Joda	01.06.22	14:04	14:50	00:46	220kV Joda -TTPS Ckt-I fdr	At Joda end:- DP Relay(Main-I): Fault Distance -50-61KM, A/R optd, ZONE-01, Fault current :-Ia-1-73kA, Ib-1-70KA, Ic-832-8A, DP main-2: Fault loop: ABT , Dist :53-43KM, A/R optd-, Zone-I, Fault current:A=1780A, B=1706A, C=803A, N=2218A, G=2212A At TTPS end:-DP Relay: Dist=91-71KM, Zone-01 Fault current:Ia=2-65KA, Ib=2-60KA, Ic= 2-808KA	-	-	-	-	-	-	-
386	Saintala	01.06.22	14:33	15:27	00:54	132KV Saintala - Tusura fdr	At Saintala end:- 132kV TRF I CT burst	Saintala, OFBL Tusura,ACME	00:55	-	-	0.017299	-	-
			14:33	15:28	00:55	132kV Kesinga - Saintala fdr	At Tusura end:- E/F							
			14:33	15:30	00:57	132kV Saintala - OFBL fdr								
387	Muniguda	01.06.22	17:12	17:13	00:01	132kV Muniguda - Bisamcuttack RTSS fdr	O/C Ia=267-2 A, Ib= 264-8 A	Bisamcuttack RTSS	00:01	-	-	0.000102	-	-
388	Joda	01.06.22	18:13	18:36	00:23	132kV Joda - Polasponga fdr	At Joda end:- DP Relay :Fault Distance -5-03KM, FL: IL2-N, ZONE-01, Fault current :-IL1=223-05A, IL2=7021-05A, IL3=181--87A At Polasponga end :-DP Relay : Fault Distance -29-86KM ZONE-01, Fault current :-IL1=240A, IL2=279A, IL3=198A, IG=433A	Polasponga Polasponga Tr. ESSAR, MSP OSISL Pattanaik Steel	00:23	-	-	0.018111	-	-

Particulars of Transmission elements not available resulting in loss of Transmission capacity and Grid Sub-stations affected.

Particulars of Transmission elements not available resulting in loss of Transmission capacity and Grid Stations affected:														
Sl. No.	Substation	Date	From	To	Duration	Transmission element (Line / Tfr. / CB etc.)not available	Reason for non-availability of Transmission element (schedule maintenance outage / forced outage*)with details	Grid Sub-stations affected (it can be more than one)	Interruption time (Hr. Min.)	Extent of Generation Rescheduling required		Energy lost in MU	Area affected	Feeders affected
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
389	Angul	01.06.22	18:41	19:19	00:38	132 KV ANGUL-MCL-I	Charged through 132KV B/C due to heavy sparking observed near R&Y-ph S-I side isolator-	-	-	-	-	-	-	-
390	Katapalli	01.06.22	19:34	19:53	00:19	132kV Katapalli - RTSS Godbhaga fdr	Directional O/C and E/F, Group A/B trip relay operated- IL1=0-22 kA, IL3=0-22kA	Godbhaga Tr.	00:19	-	-	0.000888	-	-
391	Balugaon	01.06.22	23:09	23:15	00:06	132kV Balugaon - Chandpur fdr	P/S failed from Atri Grid end due to o/c in Y-phase Back Up relay operated IR=225-5A, IY=401-6A, IB=383-9A and no alternate P/S availed during this time	Balugaon Solar Tr. Chandpur	00:06	-	-	0.005604	-	-
			23:09	23:15	00:06	132kV Balugaon - SOLARI Tr fdr								
			23:09	23:14	00:05	132kV Chandpur - Atri fdr	At Chandpur end:- no breaker operated & no relay indication comes- At Atri end:- tripped on O/C in Y-phase, Back up relay O/C tripped I>1, Y-phase, Ir=225-5A, Iy=401-6A, Ib=383-9A							
392	Goda	02.06.22	10:49	21:34	10:45	220kV Goda- Meramundali feeder (Idle charged)	DP relay operated with O/C & E/F in B phase, Zone -1, Dist-37-69km, Ir-27-09A, Iy-3-387kA, Ib-3-379kA (Tree falls on B-Phase between loc no- 105 & 106)	-	-	-	-	-	-	-
393	Jayanagar	02.06.22	12:27	14:14	01:47	132kV Jayanagar - Meenakshi fdr	Zone-1,3-87KM,F-C-6-0KA,Y-B Fault	-	-	-	-	-	-	-
394	Bhanjanagar	02.06.22	12:55	13:13	00:18	220kV Meramundali -Bhanjanagar fdr	CN,54-82KM,Z-1IC-1-751 KA	-	-	-	-	-	-	-
395	Therubali	02.06.22	13:07	12.06.22 11:51:00	238:44	220kV Therubali-Indravati Ckt-3	At Therubali end:- AB-T, Z-2, 79.18KM, Ia=2569A, Ib=2560A, Ic=36A At Indravati end:- AB-T, Z-1, 12.67KM, Ia=3.66KA, Ib= 3.605KA, Ic=87.87A	-	-	-	-	-	-	-
			13:28	19:11	05:43	220kV Therubali-Indravati Ckt-2	At Therubali end:- B-C, Z-1, -1KM, Ia=57.47A, Ib= 265.39A, Ic=1063.49A At Indravati end:- B-C, Z-1, 36.48KM, Ia=58.6A, Ib=3.605KA, Ic=87.87A							
396	Lapanga	02.06.22	13:34	19:03	05:29	400kV Lapanga - Meramundali ckt-I	BPH-G, DIST-12-4km,IL3-8-75kA	-	-	-	-	-	-	-
397	Lapanga	02.06.22	17:13	03.06.22 17:57:00	24:44	132kV Lapanga - Aryan fdr	BPH-G, DIST-7-0km,IL3-11-13kA [LA burst and jumper broken at Aryan end-]	-	-	-	-	-	-	-

Particulars of Transmission elements not available resulting in loss of Transmission capacity and Grid Sub-stations affected.

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										MW rescheduled or estimated capacity restriction affected	Time: This should match with hours of non-availability in a month in Format B-2 as the case may be			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
398	Chhend	02.06.22	17:25	20:05	02:40	132kV Switching Station (LILO) O/G fdr	Tripped on E/F & O/C (R,Y)-phase,IL1-0-50KA,IL2-4-55KA,IL3-0-48KA, L/C taken for LA bypass [Y ph LA Burst at their end-]	Adhunik Shree Ganesh	02:40	-	-	0.005603	-	-
399	Joda	02.06.22	14:04	14:50	00:46	220kV Joda - TTPS Ckt-I fdr	Relay at Joda end:- DP Relay(Main-I) : Fault Distance - 50.61KM, A/R optd, ZONE-01 DP main-2: Fault loop: ABT ,Dist :53.43KM,A/R optd., Zone-I At TTPS end relay details: DP Relay : Dist=91.71KM,Zone-01 Fault current:Ia=2.65KA, Ib= 2.60KA, Ic= 2.808KA	-	-	-	-	-	-	-
			14:04	14:48	00:44	220kV Joda - TTPS Ckt-II fdr	Relay at Joda end:- DP Relay(Main-I) : Fault Distance - 50.38KM A/R optd, ZONE-01 DP main-2: Fault loop: CGT ,Dist :36.55KM,A/R optd.,Zone-I At TTPS end relay details: DP Relay : Dist=92.98KM,Zone-01							
			14:48	19:15	04:27		DP Main-I : Trippedd Phase: RYB,SOTF trip,Zone- DP main-II relay indication: FL: AGT, Zone-I, Dist=51.84KM [At loc no.311,R-Ph conductor snapped and at loc no.314,B-Ph insulator punctured]							
400	Sambalpur	03.06.22	14:11	14:38	00:27	132kV Katapalli - Sambalpur fdr	At Sambalpur end:- DP, Z1, R phase , E/F, Dist- 5-62km, Ia=1700-9A, Ib=291-1A, Ic=299A & Ig=2063A At Katapalli end:- DP, Z2, R phase , E/F, Dist-14-5km, Ia=2980A	Sambalpur Shyam DR	00:10 00:27	-	-	0.019298	-	-
			14:15	14:21	00:06	132kV BurlaPH - Sambalpur fdr	At Burla PH end:- DP, R Y B phase E/F, Fault impedance = 38-96 ohm, Dist-54-33km							

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	1	2	3	4	5	6	7	8	9	10	11	12	13	14
401	Joda	03.06.22	14:36	15:40	01:04	220kV Joda - Ramchandrapur fdr	At Joda end:-DP Relay(Main-I) :Fault Distance -72-27KM, A/R SUCCESS, ZONE-01, Fault current :-Ia-424-6A, Ib-1-480KA, Ic-352-8A,VAN=129-2KV,VBN=101-1KV,VCN=132-5KV ,DP main-2: Not optd- At Ramchandrapur end:-DP Relay : Dist=81-1KM, Zone-01 Fault current:Ia=0-33KA, Ib= 2-14KA, Ic=0-34KA	-	-	-	-	-	-	-
402	Sambalpur	03.06.22	15:35	17:22	01:47	132kV Katapalli - Sambalpur fdr	<u>At Sambalpur end:-</u> DP, Z1, R phase , E/F, Dist-7-15km, Ia=1830A, Ib=397A, Ic=272A & Ig=2090A <u>At Katapalli end:-</u> DP, R phase , E/F, Ia=3315A	-	-	-	-	-	-	-
403	Digapahandi	03.06.22	16:49	17:15	00:26	132kV Digapahandi-Mohana ckt	E/F, Fault type-BGT, Zone-1 loc-60-43km, A-69, B-1039, C-56, G-918	Mohana	00:26	-	-	0.002199	-	-
404	Bhanjanagar	03.06.22	17:16	17:23	00:07	220kV Theruvali -Bhanjanagar ckt-II	<u>At Bhanjanagar end:-</u> A/R operated AN, Z-1, Dist-130-6km, IA-685-9A <u>At Therubali end:-</u> AN, Z-1, D=39-7 km, IA= 2-59 kA	-	-	-	-	-	-	-
405	Paralakhemundi	03.06.22	17:49	17:54	00:05	132kV Paralakhemundi - Akhusingh fdr	DP relay operated	Paralakhemundi	00:05	-	-	0.001162	-	-
406	Chandaka	03.06.22	18:53	19:00	00:07	100 MVA Auto-I	Snake fault in KIIT FDR- 33KV Pull out	-	-	-	-	-	-	-
407	Joda	04.06.22	13:34	13:49	00:15	132kV Joda - Kenduposi fdr	At Joda end:- B/U Relay :Dirc- O/C trip Fault current :-IL1=0-11KA,IL2=4-29KA,IL3=4-23KA At KNPS end:- Relay not operated	-	-	-	-	-	-	-
			14:22	15:10	00:48	132kV Joda - Kenduposi fdr	At Joda end:-DP Relay & B/U relay optd- :DP relay: Fault Distance =13-22KM, ZONE-01, Fault current :-IL1=104-1A, IL2=4-62KA, IL3=4-52KA & B/U Relay :Dirc- O/C , E/F trip At Kenduposi end:- Relay not operated							
408	Karanjia	04.06.22	15:45	16:10	00:25	132kV Karanjia - Rairangpur fdr	<u>At Karanjia end:-</u> L2-E, Dist-66-5 Km, Rpri = 19-21 ohm, Rsec = 6-40 ohm, Xpri = 27-52 ohm, Xsec = 9-17 ohm <u>At Rairangpur end:-</u> Dist-8-08 Km,I1=255-85A, I2= 1877-65A, I3= 113-68A	Karanjia	00:25	-	-	0.00567	-	-
409	Polasponga	04.06.22	15:45	16:40	00:55	132kV Polasponga - MSP fdr	Tripped from Karanjia end	MSP	00:55	-	-	0.008944	-	-

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	1	2	3	4	5	6	7	8	9	10	11	12	13	14
410	Kuchinda	04.06.22	16:04	16:17	00:13	132kV Rajgangpur - Kuchinda fdr	tripped on E/F ph Y-N, Ir=94-78A, ly=1-025kA, lb=20-34A	-	-	-	-	-	-	-
411	Polasponga	04.06.22	16:24	19:19	02:55	132kV Polasponga - Essar fdr	Distance protection relay- E/F, Zone-1,loc-17-2km, Ia=1-78kA, Ib=1-78kA, Ic=0-12kA	Essar	02:55	-	-	0.026032	-	-
412	Bolangir Old	04.06.22	17:36	17:46	00:10	132kV Incoming-I	Dir- O/C trip ON, Dir O/C PU ON, Dir Er>Trip ON, IL1-1-54kA, IL2-0-07kA, IL3-0-05kA	Bolangir, ACME, Saintala, Khariar, Tusura	00:10 00:23	-	-	0.023823	-	-
			17:36	17:46	00:10	132kV Incoming-II	Dir- O/C trip ON, Dir O/C PU ON, Dir Er>Trip ON, IL1-1-60kA, IL2-0-08kA, IL3-0-16kA							
			17:36	17:49	00:13	132kV Kesinga - Bolangir fdr	E/F							
			17:37	18:00	00:23	132kV Tusura -ACME fdr	E/F							
413	Barapalli	04.06.22	18:32	18:37	00:05	132kV Bolangir -Barapalli fdr	Source failure	Barapalli Barapalli Tr.	00:05	-	-	0.00237	-	-
			18:32	18:37	00:05	132kV RTSS - Barapalli fdr								
414	Sonepur	04.06.22	18:32	19:05	00:33	132kV New Bolangir - Sonepur Ckt-I	Supply failed from GSS,Sadeiplai	Boudh Sonepur	00:33	-	-	0.03159	-	-
415	Lapanga	04.06.22	19:09	21:07	01:58	400kV Lapanga - Meramundali ckt-I	RPH-G, DIST-184km, Z2 , IL1-12-7kA	-	-	-	-	-	-	-
416	Kamakhyanagar	04.06.22	19:17	05.06.22 13:08:00	17:51	132kV Kamakhyanagar - OPCL fdr	DP operated-	-	-	-	-	-	-	-
417	Mendhasal	04.06.22	21:28	21:48	00:20	220kV Mendhasal - Chandaka-B fdr	Ia=4-92KA,Dist=16-41KM CB on Chandaka closed and A/R failed at M-Sal end-	-	-	-	-	-	-	-
418	Budhipadar	04.06.22	23:43	05.06.22 00:14:00	00:31	220kV Budhipadar-Tarkera Ckt-II	At Budhipadar end:- D/P-I (RELZ 100)- TRZ1, ZM1, ZM2, ZM3, PST, PSN, CSZ, TRSOTF, D/P-II (SIEMENS 7SA52)- Zone I, FD=87-7km, Fault loop= L3-E, FD=87m(79-1%), IL3=2-32kA, A/R operated At Tarkera end:- FD=6-77km, IL3=10-92kA	-	-	-	-	-	-	-
			23:44	23:44	00:00	220kV Tarkera - Budhipadar ckt-I	DP: Zone-1, Dist-7.2 Km, Loop-L3_N, IL3=10.88 KA, MT							
419	Therubali	05.06.22	04:48	05:29	00:41	220kV Therubali-Indravati Ckt-1	At Therubali end:- A-G,Z-1,0.03KM, Ia=9673A, Ib=32A, Ic=91A At Indravati end:- AB-T, Z-1, 12.67KM, Ia=3.66KA, Ib= 3.605KA, Ic=87.87A	-	-	-	-	-	-	-

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	1	2	3	4	5	6	7	8	9	10	11	12	13	14
			04:48	05:25	00:37	220kV Therubali-Gunpur Ckt	At Therubali end:- A-G,Z-1,-0.26KM, Ia=3651A, Ib=32A, Ic=91A At Gunupur end:- Breaker was closed at Gunpur end.							
420	Budhipadar	05.06.22	16:58	05.06.22 18:45:00	25:47	132kV Budhipadar- Sundergarh Ckt-II	At Budhipadar end:- D/P operated:- Zone 2, FD=29-23km, Fault loop= L3-E, IL3=2-893kA, ILN=2-86kA, M/T operated-B/U:- O/C, L3 trip At Sundargarh end:- L3-E loop, Zone 1, FD=1-84km, IL3=2-206kA [Thunderstorm at Sundargarh end]	-	-	-	-	-	-	-
421	Kalunga	05.06.22	17:26	19:13	01:47	132kV Kalunga-Budhipadar fdr	At Kalunga end:- DP Relay- Tripped Phase- B, Zone- 1, Fault location-5-401 km, Fault duration- 54-98 ms, Ir-210-8 A, Iy-146-4 A, Ib-5-116 KA, Fault resistance- 4-672 ohm At Budhipadar end:- Zone-2, B-N, Location-87-932 km, Ib-1-078 KA[Thunderstrom at Kalunga]	-	-	-	-	-	-	-
422	Rajgangpur	05.06.22	18:14	19:04	00:50	132kV Rajgangpur - Budhipadar fdr	AGT, IR-2800A, IY-102A, IB-20A, IG-2921A, MT Operated, Zone- 1, Dist-18-24km	-	-	-	-	-	-	-
423	Digapahandi	05.06.22	18:50	06.06.22 09:20:00	14:30	132kV Aska New-Digapahandi ckt-I	Fault type R ph E/F, Zone-1 loc-22-25km, A-650A, B-63A, C-155A	-	-	-	-	-	-	-
424	Joda	05.06.22	18:52	19:43	00:51	132kV Joda - Kenduposi fdr	At Joda end:- B/U Relay :Dir- O/C trip, Fault current :-IL1=1-48KA, IL2=0-02KA, IL3=0-02KA At Kenduposi end:-DP relay: Fault Distance =15-9KM, ZONE-01, Fault current :-IL1=0-31KA, IL2=0-28KA, IL3=0-31KA	-	-	-	-	-	-	-
425	Budhipadar	05.06.22	19:06	05.06.22 19:17:00	24:11	220kV Budhipadar-Lephripada fdr	At Budhipadar end:- D/P-I (ABB RELZ 100)- TRZ1 ZM1 ZM2 ZM3 PSR PSN CSZ FL- 14km, D/P-II (SIEMENS 7SA52)- FD=15-9km (51-7%), Dist- Trip Z1, Dis-Loop L1-E, IL1=6-86kA	-	-	-	-	-	-	-

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										MW rescheduled or estimated capacity restriction affected	Time: This should match with hours of non-availability in a month in Format B-2 as the case may be			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
426	Budhipadar	05.06.22	19:26	05.06.22 21:56:00	26:30	220kV Budhipadar Korba Ckt I(previously Korba Ckt II)	At Budhipadar end:- D/P-I (ABB RELZ 100)- TRZ1 ZM1 ZM2 ZM3 PSR PSN CSZ SUP, D/P-II (SIEMENS 7SA52)- FD=1-5km (0-8%), Dist- Trip Z1, Dis- Loop L1-E, IL1=23-80kA At Korba end:- D/P operated, Zone-2, Trip R ph , F- Dist-- 233-30km Ia=852A, Ib= 231A, Ic=181A	-	-	-	-	-	-	-
427	Chainpal	05.06.22	21:03	06.06.22 12:55:00	15:52	132 KV Chainpal-Angul	fault Current:- IL1=3-73A, IL2=2-075A, IL3=4-968kA, Zone 2, Dist-13-42km [earth wire snapped from Loc- no- 44 to 45]	-	-	-	-	-	-	-
428	Joda	06.06.22	12:57	13:32	00:35	220kV Joda - Ramchandrapur fdr	At Joda end:- CB not tripped & No relay indication- At Ramchandrapur end:- DP Relay, Fault current:Ia=0-48KA, Ib= 0-32KA, Ic= 0-33KA	-	-	-	-	-	-	-
429	Karakhendra	06.06.22	13:02	13:15	00:13	132kV ARYA - Karakhendra Fdr	132kV ARYA feeder breakdown due to Ramchandrapur incoming fdr trip-	-	-	-	-	-	-	-
430	Kantabanji	06.06.22	16:05	16:09	00:04	132kV Kantabanji - RTSS fdr	Overcurrent	Kantabanji - RT	00:04	-	-	0.000156	-	-
431	Nuapada	06.06.22	18:07	18:15	00:08	132kV Nuapada-padampur line	DP operated, Zone1, Distance=32-21 KM from Nuapada- Ia=122-1A, Ib=69-26A, Ic=161-7A, In=327-5A	Nuapada, Nuapada Tr.	00:08	-	-	0.001726	-	-
432	Akhusingh	06.06.22	23:20	23:25	00:05	132kV Rayagada - Akhusingh fdr	I/C FAILED(C-O- TO GNP)	-	-	-	-	-	-	-
433	Chhend	07.06.22	09:51	09:53	00:02	132kV Nuagaon - Chhend fdr	Tripped on O/C R-Phase,IL!=0-22KA, IL2=0-00 KA	Nuagaon, Nuagaon Tr.	-	-	-	-	-	-
434	Kamakhyanagar	07.06.22	11:56	12:11	00:15	132kV Goda - Kamakhyanagar feeder	O/C in R,Y &B phase- - Ia:393A,Ib:415A,Ic:399A	Kamakhyanagar	00:15	-	-	0.004074	-	-
			11:56	12:20	00:24	132kV Kamakhyanagar - OPCL fdr	Source failure at TTPS end							
435	Joda	07.06.22	11:57	12:14	00:17	132kV ARYA - Karakhendra Fdr	132kV ARYA Side power supply cut from joda side and avail from rourkela side(NALDA)-	BARBIL,BOLANI, ARYA STEEL, BRPL, KARAKHENDRA NALDA Joda, FAP Bansapani Tr. JSPL,TSIL	00:27			0.09643		
			11:57	12:13	00:16	132kV Barbil - Joda fdr	Source failure at Joda Grid S/S end-							
			11:57	12:27	00:30	220kV Joda - TTPS Ckt-I & II	At both end both 220KV JODA-TTPS Ckt-I & 220KV JODA-TTPS Ckt-II FDR did not trip(source failed at TTPS end)							

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	1	2	3	4	5	6	7	8	9	10	11	12	13	14
			11:57	12:37	00:40	220kV Joda - Ramchandrapur fdr	At Ramchandrapur end:- O/C Fault current IL1=0-602KA,IL2=0-62KA,IL3=0-62KA Joda end : Not trip	Polasponga, Polasponga Tr. ESSAR MSP, OSISL Pattanaik Steel	00:36	-	-		-	-
			11:57	12:47	00:50	220kV Joda - JSPL fdr	Tripped only at JSPL end:O/C							
			11:57	12:44	00:47	220KV Joda-TSIL fdr	Tripped at Joda end							
			11:57	12:30	00:33	220/132kV Auto Transformer-I	For all 220KV incoming source failed at Grid S/S,Joda end-							
			11:57	12:30	00:33	220/132kV Auto Transformer-II								
			11:57	12:30	00:33	220/132kV Auto Transformer-III								
			11:57	12:38	00:41	132kV Joda - FAP fdr								
			11:57	12:39	00:42	132kV Joda - Polasponga fdr								
			11:57	13:18	01:21	132kV Joda - Kenduposi fdr								
			11:57	12:45	00:48	132kV Joda - Banspani RTSS								
436	Narsinghpur	07.06.22	11:56	12:18	00:22	220kV Narasinghpur-Meramundalli fdr	B/U relay Optd, Ir=550A, Iy=622 A, Ib=562A, fault duration-5-18 sec No tripping at remote end	Angul, MCL Chainpal, FC Talcher fert.	01:14 00:31			0.124833		
		07.06.22	11:57	12:17	00:20	132kV Rairakhol - Boinda fdr	132kV Rairakhol - Boinda fdr was tripped at Angul grid end-	Dhenkanal Narveram Joranda Tr. Boinda	00:27					
		07.06.22	11:58	13:13	01:15	132 KV ANGUL-MCL-I	132kv System Failed		00:20					
		07.06.22	11:58	13:16	01:18	132 KV ANGUL-MCL-II	132kv System Failed		00:25					
		07.06.22	11:57	13:03	01:06	132kV Khajuriakata - Meramundali Fdr	Meramundali supply failure	Rairakhol Khajuriakata Khuntuni Shree cement	00:25 00:08				-	-
		07.06.22	11:58	13:25	01:27	132kV Dhenkanal - Meramundali fdr								
		07.06.22	11:58	12:23	00:25	132kV Dhenkanal - Khajuriakata - Nuapatna T line								
		07.06.22	11:58	13:10	01:12	132kV Dhenkanal - Khuntuni fdr								
		07.06.22	11:58	12:27	00:29	132kV Dhenkanal - Joranda Traction fdr								
		07.06.22	11:57	12:25	00:28	132kV Chainpal - TTPS ckt-I	interruption occurred due to source failure from TTPS & Meramundali end-							
		07.06.22	11:57	12:25	00:28	132kV Chainpal - TTPS ckt-II	No C-B Tripped at our end-							
		07.06.22	11:57	13:14	01:17	132kV Chainpal-Angul fdr								
		07.06.22	11:57	12:27	00:30	132kV Chainpal-FCI DC Line								
		07.06.22	11:57	12:45	00:48	132kV Chainpal - TLHD RTSS Line								
		07.06.22	11:57	13:22	01:25	132kV Chainpal - Meramundali ckt-I								
		07.06.22	11:57	13:22	01:25	132kV Chainpal - Meramundali ckt-II								
437	Duburi	07.06.22	12:14	12:24	00:10	132kV Gondia(JFAL) - Duburi fdr	DP operated	JFAL	00:10	-	-	9.08E-05	-	-
438	Bangiriposi	07.06.22	12:42	12:50	00:08	132kV Bangiriposi - Rairangpur fdr	B/U relay: O/C, IL1-0-43KA, IL2-0-35KA & IL3-0-28KA-	Rairangpur , Karanjia Dhenkikote	00:08	-	-	0.00461	-	-

Particulars of Transmission elements not available resulting in loss of Transmission capacity and Grid Sub-stations affected.

Particulars of Transmission elements not available resulting in loss of Transmission capacity and Grid Sub-stations affected:														
Sl. No.	Substation	Date	From	To	Duration	Transmission element (Line / Tfr. / CB etc.)not available	Reason for non-availability of Transmission element (schedule maintenance outage / forced outage*)with details	Grid Sub-stations affected (it can be more than one)	Interruption time (Hr. Min.)	Extent of Generation Rescheduling required		Energy lost in MU	Area affected	Feeders affected
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
439	Therubali	07.06.22	13:55	14:05	00:10	220kV Therubali-Indravati Ckt-1	At Therubali end:- AB-T, Z-1, 54.49KM, Ia=2626A, Ib=2728A, Ic=118A At Indravati end:- AB-T, Z-1, 34.25KM, Ia=2.3KA, Ib=2.193KA, Ic=125.2A	-	-	-	-	-	-	-
440	Barbil	07.06.22	23:39	08.06.22 00:03:00	00:24	132kV Barbil - Bolani fdr	132KV Barbil-Bolani fdr tripped due to E/F at Rourkela Grid S/S end with following relay indications At Rourkela End:- O/C (B/U) Fault Current:- Ia-334-84A, Ib-149-5A, Ic-400-2A	BARBIL,BOLANI , ARYA STEEL, BRPL, KARAKHENDRA , NALDA, BEEKAY STEEL Bhalulata	00:24 00:18	-	-	0.014418	-	-
			23:39	08.06.22 00:03:00	00:24	132kV Bolani - ARYA fdr	O/C							
			23:39	23:57	00:18	132kV Rourkela-BKSteel	At Rourkela end:- B/U & M/T relay indication, B/U relay details-, current details:- IA=334-84A, IB=149-5A, IC=400-2A, IN=10-5A							
441	Rourkela	08.06.22	07:08	07:23	00:15	132kV Rourkela-BKSteel	At Rourkela end:- B/U & M/T relay indication, B/U relay details- Fault current details:-IA=304-2A, IB=153-2A, IC=403-0A, IN=12-58A	Bhalulata RTSS,BKSteel	00:15	-	-	0.00199	-	-
442	Barbil	08.06.22	07:15	07:26	00:11	132kV Barbil - Bolani fdr	132KV Barbil-Bolani fdr tripped due to O/C at Rourkela Grid S/S end with following relay indications At Rourkela End:-O/C (B/U), Fault Current:- Ia-309-2A, Ib-153-2A, Ic-403A	BARBIL,BOLANI , ARYA STEEL, BRPL, KARAKHENDRA , NALDA	00:11	-	-	0.005514	-	-
			07:15	07:26	00:11	132kV Bolani - ARYA fdr	O/C							
			07:17	07:25	00:08	132kV NALDA - Karakhendra Fdr	132kV Incoming supply failed from NALDA SIDE due to E/F-							
443	Akhusingh	08.06.22	09:10	09:18	00:08	132kV Rayagada - Akhusingh fdr	I/C FAILED	-	-	-	-	-	-	-
444	Katapalli	08.06.22	11:14	11:22	00:08	132kV Katapalli - RTSS Godbhaga fdr	O/C tripped in R & B phase Ir=0-22 kA , Ib=0-23 kA	RTSS Godbhaga	00:08	-	-	0.000374	-	-
445	Tentulikhunti	08.06.22	14:20	14:44	00:24	132kV Jayanagar - Tentulikhunti ckt-I	O/C, E/F, Zone-1, Didt-4-6KM, B-G, F-C-5-9kA	-	-	-	-	-	-	-
446	Tarkera	08.06.22	15:05	18:04	02:57	100 MVA Auto-III	OSR TRIP	-	-	-	-	-	-	-
447	Kantabanji	08.06.22	15:21	15:26	00:05	132kV Kantabanji - RTSS fdr	Overcurrent	Kantabanji Tr.	00:05	-	-	0.000195	-	-
448	Rourkela	08.06.22	16:00	16:15	00:15	132kV Rourkela-BKSteel	At Rourkela end:- B/U & M/T relay indication, B/U relay details- Fault current details:-IA=296-8A, IB=252-3A, IC=401-0A, IN=12-46A	Bhalulata RTSS,BKSteel BARBIL,BOLANI , ARYA STEEL,	00:14			0.008875		

Particulars of Transmission elements not available resulting in loss of Transmission capacity and Grid Sub-stations affected.

Particulars of Transmission elements not available resulting in loss of Transmission capacity and Grid Sub-stations affected.														
Sl. No.	Substation	Date	From	To	Duration	Transmission element (Line / Tfr. / CB etc.)not available	Reason for non-availability of Transmission element (schedule maintenance outage / forced outage*)with details	Grid Sub-stations affected (it can be more than one)	Interruption time (Hr. Min.)	Extent of Generation Rescheduling required		Energy lost in MU	Area affected	Feeders affected
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
			16:02	16:16	00:14	132kV Barbil - Bolani fdr	132KV Barbil-Bolani fdr tripped at Rourkela Grid S/S end with following relay indications At Rourkela End:- O/C (B/U), Fault Current:- Ia-296-8A, Ib-292-3A, Ic-401A	BRPL, KARAKHENDRA NALDA						
			16:02	16:16	00:14	132kV Bolani - ARYA fdr	O/C							
449	Rengali	08.06.22	16:06	16:35	00:29	220kV Rengali S/Y - Tarkera fdr	At Rengali end:- DP relay operated, D=0 ,phase = R,Y,B, Zone-1, Fault duration: 8-3 ms, IA=47-9A, IB=57-39A , IC=56-31A	-	-	-	-	-	-	-
450	Karakhendra	08.06.22	16:12	16:18	00:06	132kV NALDA - Karakhendra Fdr	132kV Incoming supply failed from NALDA SIDE due to O/C-	Karakhendra	00:06	-	-	7.35E-05	-	-
451	Tarkera	08.06.22	16:15	10.06.22 09:36:00	41:21	220kV Tarkera-Bonai	SPS	-	-	-	-	-	-	-
			16:17	10.06.22 09:37:00	17:20	220kV Tarkera-Rengali-II								
452	Keonjhar	08.06.22	17:16	19:16	02:00	220kV Keonjhar PG ckt-I	DP operated	-	-	-	-	-	-	-
453	Bhanjanagar	09.06.22	11:08	12.06.22 18:41:00	79:33	220kV Narsinghpur -Bhanjanagar fdr	AN,Z-2,76-39KM,IA-2-075KA [Conductor snapped at LOC no-194 & 195]	-	-	-	-	-	-	-
454	Kalunga	09.06.22	15:04	15:11	00:07	132kV Kalunga - Budhipadar fdr	At Kalunga end:- DP Relay- Tripped phase-R-N, Zone-1,Fault location-67-54 km, Ir-313-7 A, Iy-202-1 A, Ib-293-0 A, Fault duration- 133 ms, Fault resistance- 12-76 ohm- At Budhipadar end:- Zone-1, R-N, Location-28-99 km, Ir-2-94 KA[Bad weather]	-	-	-	-	-	-	-
455	Joda	09.06.22	16:25	16:50	00:25	220kV Joda - Ramchandrapur fdr	At Joda end:- DP Relay(Main-I) : Fault Distance -58-17km, A/R optd, Zone-01, Fault current :-Ia=118-0A, Ib=1-636KA, Ic=391-4A, DP main-2: Not optd- At Ramchandrapur end:- DP Relay :Zone-II, Dist=84-3km, Zone-01 Fault current:Ia=0-4kA, Ib= 1-64kA, Ic= 0-05kA	-	-	-	-	-	-	-
456	Chikiti	09.06.22	17:12	17:14	00:02	132kV Digapahandi - Chikiti Ckt I	Power supply failed	Chikiti	00:02	-	-	0.000262	-	-
			17:12	17:14	00:02	132kV Digapahandi - Chikiti Ckt II								
457	Bhanjanagar	09.06.22	18:36	19:05	00:29	220kV Theruvali -Bhanjanagar ckt-II	CN,Z-2,141-8KM,IC-872A [Heavy lightning]	-	-	-	-	-	-	-

Particulars of Transmission elements not available resulting in loss of Transmission capacity and Grid Sub-stations affected.

Particulars of Transmission elements not available resulting in loss of Transmission capacity and Grid Stations affected.														
Sl. No.	Substation	Date	From	To	Duration	Transmission element (Line / Tfr. / CB etc.)not available	Reason for non-availability of Transmission element (schedule maintenance outage / forced outage*)with details	Grid Sub-stations affected (it can be more than one)	Interruption time (Hr. Min.)	Extent of Generation Rescheduling required		Energy lost in MU	Area affected	Feeders affected
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
458	Akhusingh	09.06.22	21:27	21:39	00:12	132kV Rayagada - Akhusingh fdr	I/C FAILED	Akhusingh	00:12	-	-	0.005144	-	-
			21:27	21:36	00:09	132kV Podagarh - Jayanagar fdr	B-G,Zone-2,60KM	Paralakhemundi						
			21:27	21:39	00:12	132kV Paralakhemundi - Akhusingh fdr	DP relay operated	Podagada	00:10					
459	Kantabanji	10.06.22	00:38	00:40	00:02	132kV Kantabanji - RTSS fdr	Overcurrent	Kantabanji Tr.	00:03	-	-	0.000117	-	-
			00:47	00:48	00:01									
460	Kesinga	10.06.22	01:48	02:20	00:32	132kV Khariar - Kesinga fdr	DP operated- O/C	Khariar	00:42	-	-	0.02809	-	-
			01:50	02:32	00:42	132kV Khariar - Kantabanji fdr	Source Failure	Kantabanji Kantabanji Tr.						
461	Jagatsinghpur	10.06.22	13:50	18.06.22 14:05:00	192:15	132kV Tirtol - Jagasinghpur fdr	I/C , P/S failed from Paradeep due to bursting of Y-ph CT of 132kV Paradeep	Jagatsinghpur	00:06	-	-	0.007438	-	-
			13:50	19:37	05:47	132kV Paradeep - Tirtol fdr	-Tirtol fdr at Paradeep end-	Gorekhnath Tr.] Tirtol	00:15					
462	Tarkera	10.06.22	14:04	14.06.22 20:32:00	102:28	220kV Tarkera-Bonai	SPS	-	-	-	-	-	-	-
463	Khajuriakata	10.06.22	22:06	22:36	00:30	132kV Khajuriakata-Dhenkanal-Nuapatana Fdr	At Khajuriakata end:- R-G, Dist-13-1km, If-2-49kA, Zone-1 At Dhenkanal end:- R-G, Dist-24-74km, If-1-697kA, Zone-1 At Nuapatna end:- O/C B-ph	-	-	-	-	-	-	-
464	Tarkera	10.06.22	22:53	14.06.22 20:35:00	93:42	220kV Tarkera-Rengali-II	MT	-	-	-	-	-	-	-
465	Saintala	11.06.22	00:15	02:15	02:00	132kV Saintala - OFBL fdr	At Saintala end:- 132kV TRF I CT burst At OFBL end:- E/F	OFBL	02:00	-	-	4.46E-05	-	-
466	Paradeep	11.06.22	07:14	07:32	00:18	132kV Paradeep - IFFCO ckt-I	O/C,R-PH & M/R,IL1-0-92KA,IL2-0-78KA,IL3-0-18KA	-	-	-	-	-	-	-
467	Narendrapur	11.06.22	09:10	09:36	00:26	132kV Narendrapur - Berhampur Ckt-II	At Narendrapur End:- Tripped on Distance fault(SEL311C) Y-G trip, Zone-I, Dist-0-05km, IR-196A, IY-8161A, IB-118A, IG-8013A	-	-	-	-	-	-	-
			09:51	19:36	09:45	At Narendrapur End:- Tripped on Distance fault(SEL311C) Y-G trip, Zone-I, Dist-0-05km, IR-182A, IY-8198A, IB-141A, IG-8050A then L?C by SI-BAM								

Particulars of Transmission elements not available resulting in loss of Transmission capacity and Grid Sub-stations affected.

Sl. No.	Substation	Date	From	To	Duration	Transmission element (Line / Tfr. / CB etc.)not available	Reason for non-availability of Transmission element (schedule maintenance outage / forced outage*)with details	Grid Sub-stations affected (it can be more than one)	Interruption time (Hr. Min.)	Extent of Generation Rescheduling required MW rescheduled or estimated capacity restriction affected	Time: This should match with hours of non-availability in a month in Format B-2 as the case may be	Energy lost in MU	Area affected	Feeders affected
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
468	Balasore	11.06.22	12:22	12.06.22 14:51:00	26:29	220kV Balasore-New Duburi feeder	At Balasore end:- Main-I:-A-N, Zone-1, fault distance-9-38km, Main-II:- Fault Loop-L1-N, Zone-1, Dist-9-0226 Km At New Duburi end:- Main-I:- R-ph Trip,Zone-2, fault distance-116-2 KM,, Main-II:-R-ph Trip, Zone-2, Dist-134-9 Km [At Loc no-414(OB type),R-ph(top) insulator string snapped near Shergard and conductor is stretched by jumper-]	-	-	-	-	-	-	-
469	Chikiti	11.06.22	13:52	13:53	00:01	132kV Digapahandi - Chikiti Ckt I	Power supply failed	Chikiti	00:01	-	-	0.000131	-	-
			13:52	13:53	00:01	132kV Digapahandi - Chikiti Ckt II								
471	Narendrapur	12.06.22	10:13	10:13	00:00	220kV Atri Ckt-II	At Narendrapur end:- A/R operated- Fault details: Main-1(MicommP442) A- N Trip, Zone-1, Dist-44-13Km, Ia=1-70KA, Ib=113-7A, Ic=303-7A- Main-II(MicomP444) A to N , Zone-I, Dist-44-81km, Ia-1-710kA, Ib-114-2A, Ic-307-5A At atri end:- Main-I(MicommP442) ,R Phase to G, Zone-III, Dist-116km , IR-1-3kA, IY-66-6A, IB-32A	-	-	-	-	-	-	-
472	Bhanjanagar	12.06.22	10:42	10:54	00:12	220kV Theruvali -Bhanjanagar ckt-I	AN,Z-1, 52-54 KM,IA-2-172 KA	-	-	-	-	-	-	-
473	Soro	12.06.22	11:54	12:19	00:25	132kV Soro - Balasore fdr	At Balasore end:- B-G, Z-I, Dist-26-006km, fault current: Ia=307-8A,Ib=2-479 KA , Ic=211-2 A- At Soro end:- Zone-I, Bph-G, Distance=08Km, Fault current: Ia=320A, Ib=1634A, Ic=223A	-	-	-	-	-	-	-
474	Akhusingh	12.06.22	14:32	14:44	00:12	132kV Rayagada - Akhusingh fdr	I/C FAILED	Akhusingh	00:12	-	-	0.00512	-	-
			14:33	14:42	00:09	132kV Podagarh - Jayanagar fdr	Zone-3,98-9KM,R-G	Paralakhemundi Podagada	00:09	-	-		-	-

Particulars of Transmission elements not available resulting in loss of Transmission capacity and Grid Sub-stations affected.

Particulars of Transmission elements not available resulting in loss of Transmission capacity and Grid Sub-stations affected.														
Sl. No.	Substation	Date	From	To	Duration	Transmission element (Line / Tfr. / CB etc.)not available	Reason for non-availability of Transmission element (schedule maintenance outage / forced outage*)with details	Grid Sub-stations affected (it can be more than one)	Interruption time (Hr. Min.)	Extent of Generation Rescheduling required		Energy lost in MU	Area affected	Feeders affected
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
475	Balasore	12.06.22	14:54	13.06.22 14:25:00	23:31	220kV Balasore-New Duburi feeder	At Balasore end:- Main-I: C-N,Zone-1, fault distance-52-36 KM, Main-II: Fault Loop-L3-N, Zone-1, Dist-50-430 Km, Fault current IL3=2468-6 A At New Duburi end:- Main-I:--B-ph Trip, Zone-1, fault distance-71-5km, fault magnitude: Ib=2-23kA , Main-II:- B-ph Trip, Zone-1, Dist-74-41km, Fault current: Ib=2-184kA [At Loc no-251(OB type),B-ph insulator string snapped towards New Duburi]	-	-	-	-	-	-	-
476	Akhusingh	12.06.22	15:41	15:54	00:13	132kV Rayagada - Akhusingh fdr	I/C FAILED	Akhusingh Paralakhemundi Podagada	00:13	-	-	0.005576	-	-
			15:41	15:52	00:11	132kV Podagarh - Jayanagar fdr	Zone-2,70KM,Y-G		00:11	-	-	-	-	-
477	Kesinga	12.06.22	18:45	19:25	00:40	132kV Kesinga-Junagarh fdr	Distance relay Zone-1 B-phase operated	Bhawanipatna Lanjigarh Tr.	00:12	-	-	0.003947	-	-
			18:57	19:09	00:12	132kV Kesinga - Bhawanipatna fdr	Failure of Kesinga Incoming on O/C			-	-	-	-	-
478	Jayanagar	12.06.22	19:47	20:24	00:37	132kV Jayanagar - Meenakshi fdr	Zone-2,52KM,R-B	-	-	-	-	-	-	-
479	Dhenkanal	13.06.22	10:56	11:31	00:35	132kV Dhenkanal - Khajuriakata - Nuapatna T line	At Khajuriakata end:- O/C R Phase-Line charged through Main Bus after getting confirmation from line authority and stood ok- But Nuapatna line in H/T from the 132kV Dhenkanal -Nuapatna - Khajuriakata T-line-	khuntuni Shree cement	00:28	-	-	0.005869	-	-
			10:56	13:29	02:33	132kV Dhenkanal - Khuntuni fdr	E/F							
480	Karakhendra	13.06.22	12:08	12:13	00:05	132kV NALDA - Karakhendra Fdr	132kV Incoming supply failed from NALDA SIDE due to E/F-	-	-	-	-	-	-	-
481	Balasore	13.06.22	14:29	19:43	05:14	220kV Balasore-New Duburi feeder	At Balasore end:- Main-I:-B-N, Zone-1, fault distance-9-510km, Main-II:- Fault Loop-L2-N, Zone-1, Dist-9-2014km At New Duburi end:- Main-I:-Y-ph Trip, Zone-1 , fault distance-132-6km, fault magnitude:- Iy=1-39kA ,Main-II:-Y-ph Trip, Zone-1, Dist-132km. [At Loc no-414(OB type),Y-ph(middle) insulator string snapped towards New Duburi side and conductor was stretched by jumper]	-	-	-	-	-	-	-

Particulars of Transmission elements not available resulting in loss of Transmission capacity and Grid Sub-stations affected.

Particulars of Transmission elements not available resulting in loss of Transmission capacity and Grid Sub-stations affected.														
Sl. No.	Substation	Date	From	To	Duration	Transmission element (Line / Tfr. / CB etc.)not available	Reason for non-availability of Transmission element (schedule maintenance outage / forced outage*)with details	Grid Sub-stations affected (it can be more than one)	Interruption time (Hr. Min.)	Extent of Generation Rescheduling required		Energy lost in MU	Area affected	Feeders affected
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
482	New Duburi	13.06.22	15:25	15:25	00:00	400kV New Duburi - Baripada fdr	At New Duburi end:- B-PH PU, Zone-1 , Zone -1B TRIP, CARRIER SEND/RECEIVE, PU TIME=50ms, TRIP TIME=12ms, DIST=168-5 KM, IL3=2-06 KA At Baripada end:-B PH TO G, ZONE-1, IL3=10-15KA, DIST=10-3 KM [AR Operated]	-	-	-	-	-	-	-
483	Tirtol	14.06.22	05:24	05:29	00:05	132kV Tirtol - Jagasinghpur fdr	O/C Y-PHASE	-	-	-	-	-	-	-
484	Rourkela	14.06.22	12:01	12:10	00:09	132kV Rourkela-BKSteel	At Rourkela end:- B/U & M/T relay indication, B/U relay details- Fault current details:-IA=280-6A, IB=180-9A, IC=528-3A, IN=154-6A	Bhalulata RTSS	00:09	-	-	0.00119	-	-
			12:08	12:10	00:02	132kV Barbil - Bolani fdr	132KV Barbil-Bolani fdr tripped at Rourkela Grid S/S end with following relay indications At Rourkela End:- O/C (B/U), Fault Current:-Ia-280-6A, Ib-528-3A, Ic-528-3A	BARBIL,BOLANI, ARYA STEEL, BRPL,KARAKHEN DRA SWITCHING S/S, NALDA, BEEKAY STEEL	00:02	-	-	0.001003	-	-
			12:08	12:10	00:02	132kV Bolani - ARYA fdr	O/C							
485	Bangiriposi	14.06.22	13:47	14:38	00:51	132kV Polasponga - Karanjia fdr	Tripped from Karanjia end	Polasponga Polasponga Tr. ESSAR, MSP OSISL Pattanaik Steel	00:51	-	-	0.04016	-	-
			13:48	14:33	00:45	132kV Kuche - Bangiriposi PGCIL fdr-I	DP relay: General Trip- Group A/B Relay Operated- Zone-1, Fault Loop:- L2-E, Dist--9-8KM, IL1-0-58KA, IL2-0-	Bangiriposi , Rairangpur , Karanjia and	00:45	-	-	0.032823	-	-
			13:48	14:34	00:46	132kV Bangiriposi - Rairangpur fdr								
486	New Duburi	14.06.22	13:59	13:59	00:00	400kV New Duburi - Baripada fdr	At New Duburi end:- B-PH PU, ZONE-1 , ZONE -1B TRIP, CARRIER SEND/RECEIVE, PU TIME=54ms, TRIP TIME=14ms, DIST=136-6 KM, IL3=2-48 KA At Baripada end:- B PH TO G, ZONE-1, IL3=5-96KA, DIST=35-6 KM	-	-	-	-	-	-	-
487	Bhanjanagar	14.06.22	14:26	14:46	00:20	220kV Meramundali -Bhanjanagar fdr	at Meramundali-AN,Z-1, 19-44 KM,IA-4-49 KA At Bhanjanagar-Not Tripped	-	-	-	-	-	-	-

Particulars of Transmission elements not available resulting in loss of Transmission capacity and Grid Sub-stations affected.

Sl. No.	Substation	Date	From	To	Duration	Transmission element (Line / Tfr. / CB etc.)not available	Reason for non-availability of Transmission element (schedule maintenance outage / forced outage*)with details	Grid Sub-stations affected (it can be more than one)	Interruption time (Hr. Min.)	Extent of Generation Rescheduling required		Energy lost in MU	Area affected	Feeders affected
										MW rescheduled or estimated capacity restriction affected	Time: This should match with hours of non-availability in a month in Format B-2 as the case may be			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
488	Balasore	14.06.22	14:30	17.06.22 15:44:00	25:14	132kV Balasore-Udala feeder	At Balasore end:- DP relay: B-G-T, Z-I, Dist-19-89km, Ia=64 A, Ib=3184A, Ic=206A At Udala end:- Gen Trip, Dist Trip, Y-Ph P/U, Z-I, Ia=0-02kA, Ib=0-9kA, Ic=0-01kA, Dist-27-2km	-	-	-	-	-	-	-
489	Atri	14.06.22	14:57	15:09	00:12	132kV Atri-Argul Ckt-I & II	I/C power supply failed from Atri grid s/s	Argul Banki } Shamuka } Puri } Khurda } Kaipadar Tr. } Nimapara } Konark } Chandpur } Balugain } Solari Tr. } Samangara } Malatipatapur Tr. } Satasankha }	00:12			0.058571		
		14.06.22	14:57	15:09	00:12	132kV Atri - Banki fdr	Atri Grid pull out		00:17					
		14.06.22	14:57	15:25	00:28	132kV Nuapatna - Banki fdr	Nuapatna end Y-Phase earth fault		00:13					
		14.06.22	14:57	17:07	02:10	220kV Infocity-II - Atri fdr	Tripped on O/C R-ph, Z 2 tripped distance 56 km DP relay operated- IR-4-321kA, IY-395-3A, IB-354-6A		00:15					
		14.06.22	14:57	15:30	00:33	220kV Narendrapur-Atri Ckt-I	At Narendrapur End:- Tripped on distance fault-Main-I(SEL311C)C to G, Zone-1, Dist-175-8km, Main-II(MicomP444) C to N, Zone-III, Dist-183km		00:14					
		14.06.22	14:57	15:31	00:34	220kV Narendrapur-Atri Ckt-II	At Narendrapur End:- Tripped on distance fault- Fault details: Main-1(MicommP442) A-N Trip, Zone-II, Dist-141-3km, Main-II(MicomP444) A to N , Zone-II , Dist-137-7km At atri end:- Main-I(MicommP442) ,R Phase to G, Zone-III, Dist-116km		00:10					
		14.06.22	14:57	17:27	02:30	132kV Atri - Shmauka fdr	Bus fault at Atri grid.		00:07					
		14.06.22	14:59	15:09	00:10	132kV Balugaon - Chandpur fdr	[LT Lighting cable falling on 220KV NPUR FDR]		00:14					
		14.06.22	14:59	15:06	00:07	132kV Balugaon - SOLARI Tr fdr			00:15					
		14.06.22	14:59	15:14	00:15	132kV Khurda - KTSS fdr								
		14.06.22	14:59	15:13	00:14	132kV Konark - Nimapara fdr								
		14.06.22	14:59	15:13	00:14	132kV Samangara - Nimapara fdr								
		14.06.22	14:59	15:14	00:15	132kV Samangara - Satasankha ckt-I &II								
		14.06.22	14:59	15:09	00:10	132kV Chandpur - Atri fdr								
		14.06.22	14:59	15:14	00:15	132kV Khurda - Atri ckt-I & II								
		14.06.22	14:59	15:14	00:15	132kV Khurda - Mendhasal fdr								
		14.06.22	14:59	15:14	00:15	132kV Khurda - RTSS fdr								
		14.06.22	15:02	15:15	00:13	132kV Puri- Atri fdr								
		14.06.22	15:03	15:13	00:10	132kV Chandaka - Nimapara fdr								
		14.06.22	15:03	15:13	00:10	132kV Chandaka -Puri fdr								

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	1	2	3	4	5	6	7	8	9	10	11	12	13	14
490	Bhanjanagar	14.06.22	15:06	15:17	00:11	220kV Meramundali -Bhanjanagar fdr	AN,Z-1, 88-95 KM,IA-1-69 KA Not tripped at Bhanjanagar end	-	-	-	-	-	-	-
491	Duburi	14.06.22	15:35	16:13	00:38	132kV Gondia(JFAL) - Duburi fdr	DP operated	-	-	-	-	-	-	-
492	Shamuka	14.06.22	15:55	16:02	00:07	132kV Puri - Shmauka fdr	Breaker tripped at Puri end due to Overloading.	Shmauka Puri	00:07	-	-	0.006855	-	-
493	New Duburi	14.06.22	16:29	16:29	00:00	400kV New Duburi - Baripada fdr	At New Duburi end:-R-PH PU, ZONE-1, ZONE -1B TRIP, CARRIER SEND/RECEIVE, PU TIME=ms, TRIP TIME=14ms, DIST=87-3 KM, IL1=3-35 KA At Baripada end:-R PH TO G, ZONE-1, IL1=3-58KA, DIST=78-7 KM	-	-	-	-	-	-	-
494	New Duburi	14.06.22	17:07	17:07	00:00	400kV New Duburi - Pandiabil fdr	At New Duburi end:- R-PH PU, ZONE-1, CARRIER SEND/RECEIVE, PU TIME=54ms, TRIP TIME=0ms, DIST=14-2 KM, IL1=10-22 KA At Pandiabil end:-R PH TO G, ZONE-1, IL1=3-00KA, DIST=111-0 KM	-	-	-	-	-	-	-
495	Balasore	14.06.22	17:14	15.06.22 09:06:00	15:52	132kV Balasore-Soro feeder-	At Balasore end:- C-G, Z-1, Dist-5-972km, fault current: Ia=70-2A,Ib=20-4A ,Ic=6576 A At Soro end:- Zone-2, C-G, Distance=29-60km, Fault current: Ia=8A,Ib=8 A, Ic=1575A [B-ph Single suspension insulator punched at LOC no-221-]	-	-	-	-	-	-	-
496	Dhenkanal	14.06.22	17:36	17:55	00:19	132kV Dhenkanal - Khuntuni fdr	DP Realy -:Z1,dist=10-71 K-M,Ib=1-64KA- REALY:-B-N	-	-	-	-	-	-	-
497	Budhipadar	14.06.22	17:57	18:06	00:09	132kV Budhipadar- Kalunga feeder	At Budhipadar end:- Zone 2, FD=104-59km(103-55%), Fault loop= L3-E, IL3=1-14kA, M/T operated. [Thunderstrom at Kalunga end]	-	-	-	-	-	-	-
498	Muniguda	14.06.22	19:11	19:13	00:02	132kV Muniguda - Bisamcuttack RTSS fdr	O/C Ia=268 A, Ib= 264 A	Bisamcuttack RTSS	00:02	-	-	0.000204	-	-
499	Rajgangpur	14.06.22	20:22	20:32	00:10	132kV Rajgangpur - Budhipadar fdr	AGT, IR-847A, IY-120A, IB-202A, IG-1093A, MT Operated, Zone-1, Dist-50-59km [Lightening and rainfall]	-	-	-	-	-	-	-
500	Tarkera	14.06.22	21:15	15.06.22 22:18:00	25:03	220kV Tarkera-Bonai	SPS	-	-	-	-	-	-	-

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	1	2	3	4	5	6	7	8	9	10	11	12	13	14
501	Jagatsinghpur	15.06.22	05:24	05:29	00:05	132kV Tirtol - Jagasinghpur fdr	Tripped with O/C Y_ph relay Indication at TIRTOL End, No Relay Indication at JSPUR END-	Jagatsinghpur & Gorekhnath TSS	00:05	-	-	0.002768	-	-
502	Kuchinda	15.06.22	07:21	07:31	00:10	132kV SMC - Kuchinda fdr	Tripped at SMC end due to E/F	SMC	00:10	-	-	0.000101	-	-
503	Akhusingh	15.06.22	12:37	12:54	00:17	132kV Rayagada - Akhusingh fdr	I/C FAILED(C-O- TO GNP)	Akhusingh Paralakhemundi	00:17	-	-	0.006957	-	-
504	Sonepur	15.06.22	13:11	13:21	00:10	132kV New Bolangir - Sonepur Ckt-I	Supply failed from GSS,Sadeiplai	Boudh Sonepur	00:10	-	-	0.009573	-	-
505	Tarkera	15.06.22	13:32	22:18	08:46	220kV Tarkera-Rengali	MT	-	-	-	-	-	-	-
506	New Aska	15.06.22	13:45	14:19	00:34	132kV Aska New- Digapahandi ckt-I	Tripped on E/F on R-Ph, Z-1, D=15-8km, IR=2-84kA	-	-	-	-	-	-	-
507	Jayanagar	15.06.22	14:00	14:55	00:55	132kV Jayanagar - Meenakshi fdr	Zone-1,2-9KM,R-G,7-7KA	-	-	-	-	-	-	-
508	Nayagarh	15.06.22	14:38 14:41 14:42	15:48 15:20 16.06.22 11:15:00	01:10 00:39 20:33	220kV Nayagarh - Bhanjanagar fdr 132kV Phulbani - Bhanjanagar fdr 220kV Mendhasal - Nayagarh fdr	AN,Z-2, 96-1 KM,IA-1-98 KA BC, Z-1, 19-95 KM,IB-3-75KA, IC-3-73KA AR Block Dist= 28-7KM IL1= 4-33KA	Nayagarh G.Udayagiri Phulbani	01:31 00:39	- - -	0.077798	-	-	
509	Angul	15.06.22	14:52 14:52	16:42 17:27	01:50 02:35	132kV TTPS - Angul fdr 132kV Angul - MCL-II	Tripped on DP Relay,Fault loop- L2N,Fault current -3-8KA, Fault abs- distance-5-5KM [Heavy rain and severe lighting] Tripped on DP Relay,Fault loop- L2N,Fault current -3-904KA, Fault abs- distance-7-445KM	- -	- -	- -	- -	- -	- -	
510	Boinda	15.06.22	14:55 14:56 14:57	15:06 15:33 15:27	00:11 00:37 00:30	132kV Rairakhol - Boinda fdr 132kV Angul - Boinda fdr 132kV Chainpal-Angul fdr	132kV Rairakhol - Boinda fdr was tripped at Angul grid end- Source failure at TTPS end Triioped on B/U relay, IL1=3-8kA, IL2=0-28kA, IL3=0-37kA	Rairakhol, Boinda Angul	00:11 00:30	- - -	0.01727	-	-	
511	Angul	15.06.22	15:24	17:27	02:03	132 KV ANGUL-MCL-I(Charged through B/C)	DP Rely indication shown but breaker did not Trip-	-	-	-	-	-	-	-
512	Goda	15.06.22	16:14	17:33	01:19	132kV Goda - Kamakhyanagar feeder	DP relay operated- Zone -1, Dist-8-196km, Ir-4-980kA, ly-146-7A, lb-64-82A during heavy rain & lightning-	-	-	-	-	-	-	-
513	Balasore	15.06.22	17:10	17:30	00:20	160 MVA AUTO-I	220KV side:- OLTC PRV trip, GR A/B Trip- 132KV Side:- GR A/B Trip relay operated-	-	-	-	-	-	-	-

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	1	2	3	4	5	6	7	8	9	10	11	12	13	14
514	Budhipadar	15.06.22	17:39	20:04	02:25	220kV Budhipadar Korba Ckt I(previously Korba Ckt II)	At Budhipadar end:- D/P-I , D/P-II (FD=137-8km (76-2%), Dist- Trip Z1, Dis-Loop L1-E, IL1=1-29kAmp and AR operated At Korba end:- D/P operated, Zone-1, Trip R ph , F- Dist-- 19-47km Ia=6-7KA, Ib= 177A, Ic=52A	-	-	-	-	-	-	-
515	Duburi	15.06.22	17:50	18:26	00:36	132kV BC Mohanty - Duburi fdr	DP operated	BC Mohanty TOMKA	00:36	-	-	0.006778	-	-
516	Nuapada	15.06.22	19:21	19:26	00:05	132kV Nuapada-Khariar fdr	DP operated, Zone1, Distance=9-016 KM from Nuapada	Nuapada, Nuapada Tr.	00:06	-	-	0.001294	-	-
			19:27	21:06	01:39		Distance protection operated							
			19:27	19:31	00:04	132kV Nuapada-padampur fdr	Tripped on E/F							
			21:07	21:09	00:02									
517	Chatrapur	16.06.22	08:29	08:38	00:09	132kV Chatrapur-Rambha Traction ckt	O/C(R,Y Phase), IR=250A,IY=250A	Rambha Tr	00:09	-	-	0.000733	-	-
518	Tarkera	16.06.22	16:34	27.06.22 10:55:00	258:21	220kV Tarkera-Bonai	SPS	-	-	-	-	-	-	-
			16:34	27.06.22 10:56:00	258:22	220kV Tarkera-Rengali-II								
519	Salipur	17.06.22	10:11	10:24	00:13	132kV ICCL-Salipur Ckt-II	Incomer failure	Salipur	00:09	-	-	0.005617	-	-
			10:11	10:20	00:09	132kV OCL-Salipur Ckt-I								
520	Banki	17.06.22	10:50	11:08	00:18	132kV Nuapatna - Banki fdr	Tripped at Nuapatna end Y-Phase earth fault	-	-	-	-	-	-	-
521	Mendhasal	17.06.22	10:51	10:59	00:08	132kV Mendhasal - Khurda fdr	AR Block Dist- 23-00km	-	-	-	-	-	-	-
522	Barbil	17.06.22	11:31	11:43	00:12	132kV Barbil - Bolani fdr	132KV Barbil-Bolani fdr tripped due to E/F indications At Rourkela End:-D/P Relay ;Event:- CGT Loc:-11-27Km; Zone-1	BARBIL,BOLANI , ARYA STEEL, BRPL,KARAKH ENDRA SWITCHING S/S, NALDA, BEEKAY STEEL, Bhalulata RTSS	00:12	-	-	0.007607	-	-
			11:31	11:43	00:12	132kV Bolani - ARYA fdr	O/C							
			11:31	11:43	00:12	132kV Rourkela-BKSteel	At Rourkela end:- D-P & M/T relay indication, D-P relay details:-loc=11-27km, zone-1,event =CGT, Fault current details:-IA=118A, IB=334A, IC=5626A, IN=1A, IG=5228A							
			11:33	11:43	00:10	132kV NALDA - Karakhendra Fdr	132kV Incoming supply failed from NALDA SIDE due to O/C-							
523	Paradeep	17.06.22	12:27	17:03	04:36	132kV Paradeep - PPT ckt-I	O/C,Y,B PH & M/R,IL2-6-2,IL3-6-2KA	-	-	-	-	-	-	-

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										MW rescheduled or estimated capacity restriction affected	Time: This should match with hours of non-availability in a month in Format B-2 as the case may be			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
524	Bidanasi	17.06.22	12:40	13:05	00:25	220kV Mendhasal - Bidanasi ckt-I	Tripped on DP relay operated Zone-1 pole A trip	-	-	-	-	-	-	-
525	Cuttack	17.06.22	12:49	13:01	00:12	132kV Cuttack - Phulnakhara fdr	At Cuttack end:- Tripped on O/C in Y,B ph- IL1=0-58kA,IL2=6-06kA,IL3=5-70kA At Phulnakhara end:- Zone-2, Dist-19-72km, Ia=592A, Ib=4064A, Ic=3921A, Ig=2545A	-	-	-	-	-	-	-
526	Rajgangpur	17.06.22	13:05	13:25	00:20	132kV Rajgangpur - Budhipadar fdr	AGT, IR-2378A, IY-48A, IB-119A, IG-2502A, MT Operated, Zone-1, Dist-24-73km	-	-	-	-	-	-	-
527	Kesinga	17.06.22	14:40	14:58	00:18	132kV Kesinga -VAL fdr	DP operated-	-	-	-	-	-	-	-
528	Digapahandi	17.06.22	15:14	15:41	00:27	132kV Aska New-Digapahandi ckt-II	Fault type B ph E/F, Zone-1 loc-16-06km, A-84A, B-210A, C-1-09kA	-	-	-	-	-	-	-
529	Balasore	17.06.22	15:54	19:09	03:15	132kV Balasore-Udala feeder	At Balasore end:- DP relay: A-G-T, Z-I, Dist-9-46km, Ia=5153 A, Ib=81A, Ic=36A At Udala end:- Gen Trip, Dist Trip, R-Ph P/U, Z-I, Ia=0-88kA, Ib=0-09kA, Ic=0-05kA, Dist-39-9km	-	-	-	-	-	-	-
530	Nuapada	17.06.22	16:58	17:05	00:07	132kV Nuapada-padampur fdr	Failed from New Bolangir	Padampur, Nuapada, Nuapada Tr.	00:07	-	-	0.003778	-	-
531	Ranasinghpur	17.06.22	23:13	23:13	00:00	132kV Chandaka - Ranasinghpur Fdr	Tripped on O/C & E/F, Z-1, D-346-2 Mtr, Ia-19-10kA, Ib-333-1A, Ic-581-8A- Only Z-2 picked up at GSS,Ranasinghpur end- AR successful at GSS,Chandaka end-	Ranasinghpur	-	-	-	-	-	-
532	Nimapara	17.06.22	23:17	23:32	00:15	132kV Konark - Nimapara fdr	Supply failure	Nimapara	00:15	-	-	0.012937	-	-
			23:17	23:32	00:15	132kV Samangara - Nimapara fdr	Source Failure	Konark						
			23:17	23:32	00:15	132kV Chandaka - Nimapara fdr	Z1 , AG,D=85-39 KM, Ia=158A, Ib=240A , Ic=308A,	Samangara Malatipatapur						
533	Satasankha	17.06.22	23:18	23:32	00:14	132kV Samangara - Satasankha ckt-I &II	Source Failure	Satasankha	00:14	-	-	-	-	-
534	Angul	18.06.22	11:58	12:49	00:51	132kV TTPS - Angul fdr	Tripped on DP Relay,Fault loop-L2N,Fault current -3-6KA, Fault abs-distance-5-33KM	-	-	-	-	-	-	-

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	1	2	3	4	5	6	7	8	9	10	11	12	13	14
535	Rourkela	18.06.22	12:21	18:11	05:50	132kV Rourkela-BKSTeel	At Rourkela end:- D-P & M/T relay indication, D-P relay details:-loc= -0-12km, zone-1, event =BCT, [One of the jumpers on 132kV Rourkela - Joda feeder broken inside the Rourkela Grid]	Bhalulata RTSS	-	-	-	-	-	-
536	Bhawanipatna	18.06.22	12:52	12:58	00:06	132kV Lanjigarh RTSS - Bhawanipatna fdr	DP operated-	Lanjigarh RTSS	00:06	-	-	0.000484	-	-
537	Karanjia	18.06.22	12:54	13:06	00:12	132kV Karanjia - Dhenkikote fdr	At Karanjia end:- Zone1, Rphase,Relay trip time=80-05 ms, D= 19-88 Km, Ia=1-077KA, Ib= 63-63 A, Ic= 76-91 A	Dhenkikote	00:12	-	-	0.000753	-	-
538	Karanjia	18.06.22	13:15	13:25	00:10	132kV Karanjia - Rairangpur fdr	At Karanjia end:- Gen trip, Y-B-E phase trip, zone 1, Carrier send, Dist-62-2 Km, I1=0-23KA, I2= 0-26 KA, I3= 0-23KA At Rairangpur end:- Gen trip, Y-B-E phase trip, zone 1, Carrier send, Dist-20-601 Km, I1=228-9A, I2= 1707-3A, I3= 1647-37A	Karanjia Dhenkikote	00:10	-	-	0.002895	-	-
539	BC Mohanty Switching station	18.06.22	13:59	14:37	00:38	132kV Bamnibal - BC Mohanty fdr	E/F	Bamnibal	00:38	-	-	0.011757	-	-
540	Mania	18.06.22	14:32	14:37	00:05	132kV ICCL - Mania Incomer	Incomer failure	Mania, OCL, Salipur	00:05	-	-	0.003544	-	-
			14:32	14:37	00:05	132kV Mania - OCL Incomer								
			14:32	14:35	00:03	132kV Choudwar - ICCL-Ckt-II								
541	Banki	18.06.22	14:40	15:01	00:21	132kV Nuapatna - Banki fdr	132KV supply fail due to 132KV Nuapatna-Banki Feeder tripped at Nuapatna end only	Banki	00:21	-	-	0.00426	-	-
542	Sadeipali	18.06.22	15:21	16:03	00:42	220kV Bolangir(New) - Kesinga fdr	Tripped on distance protection- DP relay details:- IA=5-64kA, IB=68-68A, IC=243A (2) Trip Zone-I Fault distance 14-46km	-	-	-	-	-	-	-
543	Muniguda	18.06.22	19:36	19:38	00:02	132kV Muniguda - Bisamcuttack RTSS fdr	O/C Ia=263-6 A, Ib= 261-6 A	Bisamcuttack RTSS	00:02	-	-	0.000204	-	-
544	Nimapara	18.06.22	20:55	21:02	00:07	132kV Konark - Nimapara fdr	Supply failure	Nimapara Konark Samangara Malatipatapur Tr Satasankha	00:07	-	-	0.006037	-	-
			20:55	21:02	00:07	132kV Samangara - Nimapara fdr								
			20:55	21:02	00:07	132kV Samangara - Satasankha ckt-I &II								
			20:56	21:02	00:06	132kV Chandaka - Nimapara fdr								
						Dir- IDMT O/C Protection operated								

Particulars of Transmission elements not available resulting in loss of Transmission capacity and Grid Sub-stations affected.

Sl. No.	Substation	Date	From	To	Duration	Transmission element (Line / Tfr. / CB etc.)not available	Reason for non-availability of Transmission element (schedule maintenance outage / forced outage*)with details	Grid Sub-stations affected (it can be more than one)	Interruption time (Hr. Min.)	Extent of Generation Rescheduling required		Energy lost in MU	Area affected	Feeders affected
										MW rescheduled or estimated capacity restriction affected	Time: This should match with hours of non-availability in a month in Format B-2 as the case may be			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
545	Padampur	19.06.22	04:15	04:25	00:10	132kV Nuapada-padampur fdr	At Padampur End:- Phase-AN, Ia=1-005kA, Ib=78-99A, Ic=176A, In=749-6A, Dist-54-25km	Nuapada, Nuapada Tr.	00:10	-	-	0.002157	-	-
546	Nuapada	19.06.22	10:05	10:10	00:05	132kV Nuapada-padampur fdr	Tripped on E/F	Nuapada, Nuapada Tr.	00:05	-	-	0.001079	-	-
547	Bhanjanagar	19.06.22	11:50	12:26	00:36	132kV Phulbani - Bhanjanagar fdr	AN, Z-1, 29-1 KM,IA-2-5KA,[Heavy lightning]	G.udayagiri Phulbani	00:49	-	-	0.014203	-	-
			12:28	12:41	00:13		CN, Z-1, 60-2 KM,IC-1-4KA,[Heavy lightning]							
548	Kesinga	19.06.22	12:32	12:39	00:07	132kV Kesinga - Bhawanipatna fdr	O/C	Bhawanipatna Lanjigarh RTSS	00:07 07:09	-	-	0.036345	-	-
		19.06.22	12:33	19:42	07:09	132kV Lanjigarh RTSS - Bhawanipatna fdr								
549	Sambalpur	19.06.22	13:56	14:24	00:28	132kV Sambalpur - SDRI fdr	At Sambalpur end:- DP, Z2, R Y phase, Dist-33-59km, Ia=2771-23A, Ib=2760-023A, Ic=166-849A & Ig=2003-320A Not tripped at their end	SDRI	00:28	-	-	-	-	-
550	Lapanga	19.06.22	13:57	19:05	05:08	132kV Lapanga - Aryan fdr	RPH-YPH,DIST-0-2km,RPH=15-33kA,YPH=15-88kA [OPGW Cable sapped between Loc no 126-127]	Aryan	00:48	-	-	7.6E-05	-	-
551	Baripada	19.06.22	14:09	15:04	00:55	132kV Baripada -Betnoti fdr	At Baripada end:- E/F & O/C (R & B - Ph), B/U Relay optd- IL1=3-55kA, IL2=0-00kA, IL3=3-87kA At Betnoti end:- IL1=45-38kA, IL2=175-4kA, IL3=481-9kA- DP Relay details: Started phase-CN, Tripped phase-A, B & C -Distance tripped zone-I, Fault duration-73-29ms, Relay trip time -1-007ks, Fault location XY -7-662 KM	-	-	-	-	-	-	-
552	Bhanjanagar	19.06.22	14:26	15:41	01:15	220kV Meramundali -Bhanjanagar fdr	BN, Z-2, 164-2KM,IB-877-2 A,	-	-	-	-	-	-	-
553	Budhipadar	19.06.22	14:35	16:33	01:58	132kV Budhipadar- Kalunga feeder	At Budhipadar end:- R, Y, B Trip, Zone 2, FD=19-36km, Fault loop= L1-L3, IL1=5-48kA, IL2=236-37A, IL3=6-34kA, ILN=2-7kA, M/T operated- At Kalunga end:- IL1=24A, IL2=23A, IL3=24kA	-	-	-	-	-	-	-
554	Muniguda	19.06.22	14:42	14:43	00:01	132kV Muniguda - Bisamcuttack RTSS fdr	O/C Ia=268 A, Ib= 265-2 A	Bisamcuttack RTSS	00:01	-	-	0.000102	-	-
555	Tarkera	19.06.22	15:11	15:27	00:16	132kV Tarkera-KALUNGA	B/U: O/C-R-Ph, B-Ph, E/F	-	-	-	-	-	-	-
556	Tarkera	19.06.22	15:40	15:49	00:09	100 MVA Auto-III	OSR TRIP	-	-	-	-	-	-	-
			15:49	18:05	02:16									

Particulars of Transmission elements not available resulting in loss of Transmission capacity and Grid Sub-stations affected.

Particulars of Transmission elements not available resulting in loss of Transmission capacity and Grid Sub-stations affected:														
Sl. No.	Substation	Date	From	To	Duration	Transmission element (Line / Tfr. / CB etc.)not available	Reason for non-availability of Transmission element (schedule maintenance outage / forced outage*)with details	Grid Sub-stations affected (it can be more than one)	Interruption time (Hr. Min.)	Extent of Generation Rescheduling required		Energy lost in MU	Area affected	Feeders affected
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
557	Digapahandi	19.06.22	15:45	16:01	00:16	132kV Digapahandi-Berampur ckt	E/F, Fault type-AGT, Zone-1 loc-10-09km, A-2396, B-7, C-6, G-2402	-	-	-	-	-	-	-
558	Chandaka	19.06.22	15:51	16:10	00:19	160 MVA Auto-II	Due to fault of 132kV BBSR Ckt- 1 , bursting of Bph LA	-	-	-	-	-	-	-
			15:51	15:55	00:04	100 MVA Auto-I								
559	Rourkela	19.06.22	15:57	16:09	00:12	132kV Rourkela-BKSteel	At Rourkela end:- D-P & M/T relay indication, D-P relay details:-loc=43-75km, zone-1, event =ABT, Fault current details:-IA=2645A, IB=2746A, IC=58A, IN=0A, IG=269A	Bhalulata RTSS	00:12	-	-	0.001586	-	-
560	Balasore	19.06.22	16:38	18:59	02:21	132 kV Balasore-Basta fdr	At Balasore end:- Dp relay:B-G-T, Zone-1, dist-23-65km, Ia-214 A, Ib-3393A, Ic=217A At Basta end:- B-ph, Zone-1, dist-7-054km, Ia-238-7A, Ib-1-67KA, Ic-225-6A	-	-	-	-	-	-	-
561	Mendhasal	19.06.22	16:45	16:54	00:09	220kV Mendhasal - Atri ckt-I	R Y pickup zone 1 Dist=13-2KM IL=5-64KA	-	-	-	-	-	-	-
562	New Duburi	19.06.22	19:17	19:17	00:00	220kV New Duburi - Paradeep ckt-I	At New Duburi end:- R PHASE TRIP,E/F PU, ZONE-1B TRIP, SINGLE POLE TRIP, IL1=2-16KA, DIST=102-9KM, A/R CLOSE COMMAND ON At Paradeep end:- No indication	-	-	-	-	-	-	-
			19:17	19:41	00:24	220kV New Duburi - Paradeep ckt-II	At New Duburi end:- R PHASE TRIP, E/F PU, ZONE-1 TRIP 1ST EVENT: IL1=1-95KA, DIST=112-8KM, A/R CLOSE COMMAND ON At Paradeep end:-R PH TO G, DIST=4-3KM							
563	Basta	19.06.22	19:19	20.06.22 18:36:00	23:17	132kV Basta - Jasleswar Feeder	At Basta end:- DP, Z2, Y ph-Gnd, Distance :- 22-1 KM , Ir-222-1A, Iy-2-01kA, Ib-317-2A At Jaleswar end:- DP, Z1, Y ph-Gnd,, Distance :0-13 KM, Ir-220-4A, Iy-2-69kA, Ib-796A [at loc no-189(nz),Y-phase insulator string was punctured]	-	-	-	-	-	-	-
564	Tarkera	19.06.22	19:30	20.06.22 15:09:00	15:39	100 MVA Auto-III	OSR TRIP	-	-	-	-	-	-	-
565	Mania	19.06.22	23:58	23:59	00:01	132kV Mania - OCL Incomer	Tripped without any indication	-	-	-	-	-	-	-
566	Nuapada	20.06.22	04:16	04:26	00:10	132kV Nuapada-padampur fdr	Tripped on DP & E/F	Nuapada, Nuapada Tr.	00:10	-	-	0.002157	-	-

Particulars of Transmission elements not available resulting in loss of Transmission capacity and Grid Sub-stations affected.

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	1	2	3	4	5	6	7	8	9	10	11	12	13	14
567	Muniguda	20.06.22	12:00	12:02	00:02	132kV Muniguda - Bisamcuttack RTSS fdr	O/C&E/F Ia=2-9 kA, Ib= 8 A	Bisamcuttack RTSS	00:02	-	-	0.000204	-	-
568	Akhusingh	20.06.22	12:03	12:15	00:12	132kV Rayagada - Akhusingh fdr	I/C FAILED	Akhusingh Paralakhemunc Ganjam, Grasim Chhatrapur IRE Rambha Tr. Balugaon Solari Tr.	00:12	-	-	0.015362	-	-
			12:44	13:02	00:18	132kV Chatrapur-New Aska ckt	O/C(R,B Phase) Z1, Dist=8-18km, IR=1555A, IY=196A, IB=402A		00:06					
			12:45	12:51	00:06	132kV Aska - Purushottampur Fdr	At Aska end:- Tripped with O/C in Y-phase, IL1-317A, IL2-400A, IL3-368A							
			12:45	12:51	00:05	132kV Chatrapur-Ganjam ckt	Power Supply Failure for Chatrapur end							
			12:45	13:03	00:16	132kV Balugaon - Chatrapur fdr	Supply failed at Chatrapur end due to overload because of tripping of Aska							
			12:45	12:51	00:04	132kV Balugaon - SOLARI Tr fdr								
569	Jagatsinghpur	20.06.22	13:39	13:51	00:12	132kV Tirtol - Jagasinghpur fdr	At Tirtol End:- Tripped with Zone -1 , R-G , Dist-11-99km At Jagasinghpur End:- No Relay Indication	Jagatsinghpur Gorekhnath TSS Tirtol	00:01	-	-	0.003847	-	-
			13:39	14:55	01:16	132kV Paradeep - Tirtol fdr	B-G,Z-1,D-8-2KM,BACK UP-R Y B PH 8		00:12					
570	Chatrapur	20.06.22	15:10	15:18	00:08	132kV Chatrapur-New Aska ckt	O/C(RPhase) Z1, Dist=24-3km, IR=968A, IY=156A, IB=320A	-	-	-	-	-	-	-
571	Joda	20.06.22	15:38	16:56	01:18	220kV Joda - TTPS CKT-I fdr	At Joda end:- DP Relay(Main-I) : Fault Distance =116-8km, SOTF TRIP, A/R optd, Zone-01 DP main-2: Fault loop: AGT , Dist :113-50km, A/R optd, Zone-I At TTPS end:- DP Relay : Dist=4-764km, Zone-01, Fault current:Ia=15-47kA, Ib= 202A, Ic= 66A	-	-	-	-	-	-	-
572	Rajgangpur	20.06.22	15:50	16:26	00:36	132kV Rajgangpur - Railway fdr-II	O/C	Rajgangpur Tr. Fdr2	00:36	-	-	0.001719	-	-
573	Budhipadar	20.06.22	15:52	16:00	00:08	132kV Budhipadar- Kalunga feeder	At Budhipadar end:- D/P operated- Zone 2 trip, Fault loop=L3-N, IL3=1-205kA, FD=96-63km(95-68%), M/T operated-	-	-	-	-	-	-	-
574	New Duburi	20.06.22	15:54	15:54	00:00	400kV New Duburi - Pandiabil fdr	At New Duburi end:- Y-PH PU, ZONE-1, ZONE-1B, CARRIER SEND/RECEIVE, PU TIME=59ms, TRIP TIME=14ms, DIST=91-1 KM, IL2=3-58 KA At Pandiabil end:-Y PH TO G, ZONE-1, IL2=5-7KA, DIST=36-9 KM	-	-	-	-	-	-	-
575	Chainpal	20.06.22	16:07	16:31	00:24	132kV Chainpal - Angul fdr	Tripped on O/C (B-ph) &E/F,Fault current IL3=0-6KA	Chainpal Chainpal Tr. Talcher Fert. FCI	-	-	-	-	-	-
			16:07	16:42	00:35	132kV Chainpal-FCI DC Line	132kV supply failure							
			16:07	16:40	00:33	132kV Chainpal - TLHD RTSS Line	132kV supply failure							

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	1	2	3	4	5	6	7	8	9	10	11	12	13	14
576	Jagatsinghpur	20.06.22	16:16	17:00	00:44	132kV Tirtol - Jagasinghpur fdr	At Tirtol End:- Tripped with Zone-1, B-G, Dist-20-68km,Fdr was idle charged from Tirtol end [Heavy wind flow at Jagasinghpur end]	-	-	-	-	-	-	-
577	Meramundali	20.06.22	16:29	17:31	01:02	400kV Lapanga - Meramundali ckt-II	RPH=1-27kA,YPH=0-3kA,BPH=0-5kA,NO DISTANCE RECORDED	JSPL	00:41	-	-	0.034542	-	-
			16:31	17:40	01:09	400kV Mendhasal - Meramundali ckt-I	IL1= 2-00KA, Dist=167KM							
578	Tarkera	20.06.22	16:48	17:54	01:06	100 MVA Auto-I	TC1 & TC2 FAULTY	-	-	-	-	-	-	-
579	Betnoti	20.06.22	16:51	17:28	00:37	132kV Udala - Betnoti fdr	At Betnoti end:- DP, Zone-1, Dist-13.89km, Ia=84.6A, Ib=1.995kA,	Betnoti	00:26	-	-	0.00701	-	-
			16:51	17:17	00:26	132kV Baripada - Betnoti fdr								
580	Balasore	20.06.22	16:51	19:29	02:38	132kV Balasore-Udala feeder	At Balasore end:- DP relay: B-G-T, Z-I, Dist-28-95km, Ia=104 A, Ib=2488A, Ic=185A At Udala end:- Gen Trip, Dist Trip, Y-Ph P/U, Z-I, Ia=0-11kA, Ib=0-10kA, Ic=0-19kA, Dist-37-1km [heavy lightning & rain]	-	-	-	-	-	-	-
581	Balasore	20.06.22	17:15	17:41	00:26	220kV Balasore-PGCIL Ckt-II	At Balasore end:- Main-I: Z-1, C-N, Dist-3-063km, Ia=300-6A, Ib=700-7A, Ic=6-053kA, Main-II: Z-1, C-N, Dist-3-135km, Ia=302-1A, Ib=702-4A, Ic=6-069kA At PGCIL end:- Main-II: C-N, Z-2, Dist-76km, Fault current-2-138kA- [heavy lightning & rain]	-	-	-	-	-	-	-
582	Tarkera	21.06.22	16:20	16:53	00:33	132kV Tarkera-KALUNGA	MT	-	-	-	-	-	-	-
583	Budhipadar	21.06.22	16:42	16:52	00:10	132kV Budhipadar- Kalunga feeder	At Budhipadar end:- B/U (Siemens7SJ62)- Dir L1,L2,L3 PU IL1=1-11KAmp,IL2=1-12KAmp,IL3=1-10KAmp	-	-	-	-	-	-	-
584	Mancheswar	22.06.22	14:06	16:50	02:44	132kV Chandaka - Mancheswar ckt-II	Tripped on E/F (Y Ph),Z1	-	-	-	-	-	-	-
			14:07	14:25	00:18	132kV Chandaka - Mancheswar ckt-I	Tripped on O/C (R,Y,B ph),Z3							
			14:07	20:08	06:01	132kV Mendhasal - Chandaka fdr	Zone 2 Dist=23KM, IL1=3-79KA IL3=4-1							
585	Konark	22.06.22	14:11	14:20	00:09	132kV Konark - Nimapara fdr	Due to Over voltage	-	-	-	-	-	-	-
586	Boinda	22.06.22	14:14	14:35	00:21	132kV Angul - Boinda fdr	Tripped on DP Relay,Fault loop-L3L1,Fault current -3-99KA, Fault abs-distance-25-879KM	Rairakhol, Boinda	00:09 00:21	-	-	0.005824	-	-
			14:14	14:23	00:09	132kV Rairakhol - Boinda fdr	132kV Rairakhol - Boinda fdr was tripped at Angul grid end							
587	Chhend	22.06.22	15:33	16:01	00:28	132kV Nuagaon - Chhend fdr	Incoming power supply failed	Adhunik	00:28			0.002727		

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										MW rescheduled or estimated capacity restriction affected	Time: This should match with hours of non-availability in a month in Format B-2 as the case may be			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
			15:33	16:09	00:36	132kV Tarkera -Chhend Ckt-I	Tripped on O/C B-Phase at Tarkera Grid S/S	Shree Ganesh Chhend Nuagaon, Nuagaon Tr. Tr.		-	-		-	-
			15:33	16:01	00:28	132kV Tarkera -Chhend Ckt-II	Tripped on O/C B-Phase at Tarkera Grid S/S							
			15:33	16:01	00:28	132kV LILO fdr	Incoming power supply failed							
588	Budhipadar	22.06.22	15:22	16:19	00:57	132kV Budhipadar- MCL Ckt no-II	At Budhipadar end:- Zone 1, FD=10-73km, Fault loop= L1-E, IL1=6-77KAmp M/T operated	Budhipadar Ultratech	00:20 00:53			0.010796		
			15:25	16:48	01:23	132kV Budhipadar- Lapanga	At Budhipadar end:- Zone 1, FD=9-2km(54-3%), Fault loop= L3-E, IL3=6-2KAmp M/T operated- At Lapanga end:- L3-E, Zone I, FD= 8-2km							
			16:48	21:06	04:18		At Budhipadar end:- Zone 1, FD=8.2km(54.3%), Fault loop= L3-L2-E, IL2=7.48KAmp IL3=7.47KA M/T operated. At Lapanga: L3-E, Zone I, FD= 8.2km, IL3=5.2KA [Earth wire Snapped between Loc No-148 & 149]							
			15:29	16:31	01:02	220kV Budhipadar-IBTPS Ckt no-II	At Budhipadar end:- D/P-I (ABB RELZ 100)- TRZ1 ZM1 ZM2 ZM3 PSR PSN CSZ, D/P-II (REL 670)- FD=18-795km (74-29%), Dist- Trip Z1, Dis- Loop L1-E, IL1=6-3kA In=5-2KAmp At IBTPS end:- DP operated, Zone-1							
			15:33	15:40	00:07	132kV Kalunga-Budhipadar fdr	At Kalunga end:- DP Relay- Tripped phase-R-N, Zone-1,Fault location-34-12 km, Ir-417-3 A, Iy-166-7 A, Ib-297-0 A, Fault duration- 49-97 ms, Fault resistance- 49-97 ohm- At Budhipadar end:- Zone-1, L1-1-66 KA, Loc: 60-135 km							
			16:28	17:02	00:34		At Budhipadar end:- Zone 1, FD= 50-257km(49-76%), Fault loop= L1-E, IL1=1-38KA In=1-19KAmp M/T operated-At Kalunga end:- L1-E, Zone I, FD= 62-34km, IL1=1-04KA							

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	1	2	3	4	5	6	7	8	9	10	11	12	13	14
			15:33	16:14	00:41	132kV Budhipadar- Rajgangpur (Ultratech)	At Budhipadar end:- Zone 1, FD=52-002km(63-42%), Fault loop= L1-E, IL1=1-71KA, ILn=1-73KA, M/T operated-							
			16:24	16:36	00:12		At Budhipadar end:- Zone 1, FD=41-236km(50-29%), Fault loop= L1-E, IL1=1-81KA, ILn=1-83KA, M/T operated-							
			15:41	16:46	01:05	132kV Budhipadar- Remja	At Budhipadar end:- Zone 1, FD=4-058km, Fault loop= L3-E, IL3=9-846KA, M/T operated-							
			15:47	16:02	00:15	220kV Budhipadar-VAL Ckt no -I	At Budhipadar end:- D/P-I (SIEMENS 7SA52)- Dist- Trip Z1, Dis- Loop L2-E,FD=5-2km (30-7%), IL1=1-18kA, IL2=12-28KAmp, IL3=0-91KAmp, D/P-II (SIEMENS 7SA52)- Dist- Trip Z1 At VAL end:- D/P operated, Zone-1, Trip Y ph , F- Dist-- 6-6km , Ib= 9-39KAmp							
589	Jharsuguda	22.06.22	16:00	20:40	04:40	132kV Jharsuguda-Lapanga fdr	Dir O/C B phase, Ia=186-5A, IB=147-2A IC=6-57KA	-	-	-	-	-	-	-
590	Lapanga	22.06.22	16:47	23.06.22 13:28:00	20:45	400kV Meramundali ckt-II Reactor	Tripped due to water ingress in PRV-	-	-	-	-	-	-	-
591	Sadeipali	22.06.22	18:15	18:26	00:11	160 MVA Auto-I	Tripped on M/T Realy only	-	-	-	-	-	-	-
592	Balasore	23.06.22	11:30	13:07	01:37	132kV Balasore-Udala feeder	At Balasore end:- DP relay: B-C-T, Z-I, Dist-14-59km, Ia=23 A, Ib=4730A, Ic=4712A At Udala end:- Y-Ph, B-ph P/U, Z-I, Ia=0-03kA, Ib=0-81kA, Ic=0-82kA, Dist-55-8km	-	-	-	-	-	-	-
593	Tentulikhunti	23.06.22	12:33	13:10	00:37	132kV Jayanagar - Tentulikhunti ckt-I	O/C, Zone-1, Dist- 5-39KM, B-G, Fault Current-5-4kA	-	-	-	-	-	-	-
594	Chhend	23.06.22	13:03	13:04	00:01	132kV Nuagaon - Chhend fdr	Tripped on O/C , IL1-0-23KA,IL2-0-23KA, Trip relay 86B operated	Nuagaon, Nuagaon Tr.	-	-	-	-	-	-
595	Baripada	23.06.22	15:09	16:06	00:57	132kV Baripada -Betnoti fdr	Relay indication dertails: Relay trip, L1 P/U O/C in R, Y & B -ph, E/F, IEP DIR PU,IP DIR-Trip PU Time=504 ms, Trip time=432 ms- IL1=3-64 KA, IL2=3-84 KA, IL3=3-81 KA-	-	-	-	-	-	-	-

Particulars of Transmission elements not available resulting in loss of Transmission capacity and Grid Sub-stations affected.

Particulars of Transmission elements not available resulting in loss of Transmission capacity and Grid Stations affected.														
Sl. No.	Substation	Date	From	To	Duration	Transmission element (Line / Tfr. / CB etc.)not available	Reason for non-availability of Transmission element (schedule maintenance outage / forced outage*)with details	Grid Sub-stations affected (it can be more than one)	Interruption time (Hr. Min.)	Extent of Generation Rescheduling required		Energy lost in MU	Area affected	Feeders affected
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
596	Tusura	23.06.22	15:13	15:22	00:09	132kV Tusura -ACME fdr	E/F	Tusura Saintala	00:09	-	-	0.002829	-	-
597	Barkote	23.06.22	17:04	17:20	00:16	220kV Barkote - Bonai fdr	Due to lightening and bad weather	-	-	-	-	-	-	-
598	New Aska	23.06.22	18:05	18:22	00:17	132kV Aska New- Digapahandi ckt-II	Tripped on E/F on R-Ph, Z-1, D=3-559km, IR=6-043kA	-	-	-	-	-	-	-
599	Dhenkanal	24.06.22	03:13	12:47	09:34	132kV Dhenkanal - Joranda Traction fdr	DP Relay operated with indication: Z-1,R-Y-B Trip phase-Dist=14-9KM,Ir=3-607KA [Earth wire snapping found at Loc No: 51-56]	Joranda Tr	09:34	-	-	0.079539	-	-
600	Jayanagar	24.06.22	03:55	04:05	00:10	132kV Jayanagar - Railway fdr	Zone-1,3-7KM	-	-	-	-	-	-	-
601	Narendrapur	24.06.22	14:24	15:12	00:48	220kV Gunupur Ckt-I	At Narendrapur End:- Tripped on distance fault- AB to N ,Dist-99-19km, Zone-1, Ia-1-483kA, Ib-1-501kA, Ic-43-31A, Main-II(SEL311C) AB to T, Zone-1, Dist-98-64km, Ia-1480A, Ib-1489A, Ic-68A- At gunupur end:- R-Y trip, Zone-1, Dist-49-3km, Ia-1-792kA, Ib-1-694kA, Ic-132-1A	-	-	-	-	-	-	-
602	Akhusingh	24.06.22	15:04	15:14	00:10	132kV Rayagada - Akhusingh fdr	I/C FAILED(C-O- TO GNP)	Akhusingh Paralakhemundi	00:10	-	-	0.004092	-	-
603	Budhipadar	24.06.22	17:48	24.06.22 18:47:00	20:59	132kV Budhipadar- Remja fdr	At Budhipadar end:- D/P (MiCOM)- Trip A B C, Zone 1, Fault loop=L3-E, FD=3-645km, IL3=11-92kA, M/T operated-	-	-	-	-	-	-	-
604	Duburi	24.06.22	17:50	18:49	00:59	132kV Kalarangi - Duburi fdr	DP operated	-	-	-	-	-	-	-
605	Chhend	24.06.22	22:25	22:27	00:02	132kV Nuagaon - Chhend fdr	Tripped on O/C (R,Y)-phase, IL1-0-23kA, IL2-0-22kA, Trip relay 86B operated-	Nuagaon, Nuagaon Tr.	-	-	-	-	-	-
606	Karakhendra	25.06.22	13:03	13:22	00:19	132kV ARYA - Karakhendra Fdr	132kV I/C Supply failed from ARYA(Joda) side due to heavy rainfall and lightening (N P-ph E/F)-	-	-	-	-	-	-	-
607	Tentulikhunti	25.06.22	16:05	16:17	00:12	132kV Tentulikhunti - Solar fdr	O/C	-	-	-	-	-	-	-
608	Joda	25.06.22	23:02	23:33	00:31	132kV Joda - Banspani fdr	At Joda end:- B/U relay , Dir O/C relay, Fault Distance -58-17km, Fault current : IL1=0-27kA, IL2=0-27kA	Bansapani Tr	00:31	-	-	0.002808	-	-

Particulars of Transmission elements not available resulting in loss of Transmission capacity and Grid Sub-stations affected.

Sl. No.	Substation	Date	From	To	Duration	Transmission element (Line / Tfr. / CB etc.)not available	Reason for non-availability of Transmission element (schedule maintenance outage / forced outage*)with details	Grid Sub-stations affected (it can be more than one)	Interruption time (Hr. Min.)	Extent of Generation Rescheduling required		Energy lost in MU	Area affected	Feeders affected
										MW rescheduled or estimated capacity restriction affected	Time: This should match with hours of non-availability in a month in Format B-2 as the case may be			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
609	Balasore	26.06.22	12:49	12:01 27.06.22	23:12	220kV Balasore-New Duburi feeder	At Balasore end:- Main-I: R-ph Trip, A-N, Zone-1, fault distance-102-2km, fault current-Ia=1-481kA, Ib=63-80 A, Ic=85-44 A, Main-II: R-ph Trip, Fault Loop-L1-N, Zone-1, Dist-98-586 km At New Duburi end:- Main-I: R-ph Trip, Zone-1, Distance-26-7km, Fault Current: Ia=5-38 kA, Main-II: R-ph Trip, Zone-1, Distance-28-12km, Fault current: Ia=5-31 kA [At Loc no-81 (OA Type), R-ph (Top) Suspension Insulator string snapped and conductor rested on middle cross arm]	-	-	-	-	-	-	-
610	Kuchinda	26.06.22	20:50	20:53	00:03	132kV SMC - Kuchinda fdr	Tripped at SMC end due to O/C E/F(R-Phase), Ir=251-9A	SMC	00:03	-	-	0.00037	-	-
611	Nuapada	26.06.22	21:13	21:54	00:41	132kV Nuapada-padampur fdr	Failed from New Bolangir At Padampur End:- Distance Protection operated- Phase-AN, Zone-3, Ia=250-3A, Ib=174-6A, Ic=391-3A, Distance=58-33KM	Padampur, Nuapada, Nuapada Tr.	00:41	-	-	0.022128	-	-
612	Sadeipali	26.06.22	21:13	21:56	00:43	132kV Balangir(New) - Patanagarh ckt -	tripped On operation of O/C & E/F Relay	Patnagarh, Padampur, Nuapada, Nuapada Tr.	00:43	-	-	0.037871	-	-
613	Patnagarh	26.06.22	21:13	21:39	00:26	132kV New Bolangir - Patnagarh ckt-I	Directional O/C R-ph	-	-	-	-	-	-	-
			21:13	21:42	00:29	132kV New Bolangir - Patnagarh ckt-II	DP relay operated							
614	Padampur	26.06.22	21:16	21:53	00:37	132kV Padampur - Patnagarh fdr	Distance Protection operated- Phase-AN, Zone-3, Ia=250-3A, Ib=174-6A, Ic=391-3A, Distance=58-33km	Padampur, Nuapada, Nuapada Tr.	00:37	-	-	0.019969	-	-
615	Chandpur	27.06.22	04:58	05:20	00:22	132KV Chandpur-Balugaon	At Balugaon end:- no breaker optd- At Chandpur end:- tripped on Y-phase trip, Z-2, distance loop=L2-E, Distance=39-3KM [Tripped due to touches of tree branches]	-	-	-	-	-	-	-
616	Chhend	27.06.22	06:09	06:10	00:01	132kV Nuagaon - Chhend fdr	Tripped on O/C (R,Y)-phase, IL1-0-23kA, IL2-0-22kA, Trip relay 86B operated-	Nuagaon, Nuagaon Tr.	-	-	-	-	-	-

Particulars of Transmission elements not available resulting in loss of Transmission capacity and Grid Sub-stations affected.

Sl. No.	Substation	Date	From	To	Duration	Transmission element (Line / Tfr. / CB etc.)not available	Reason for non-availability of Transmission element (schedule maintenance outage / forced outage*)with details	Grid Sub-stations affected (it can be more than one)	Interruption time (Hr. Min.)	Extent of Generation Rescheduling required MW rescheduled or estimated capacity restriction affected	Time: This should match with hours of non-availability in a month in Format B-2 as the case may be	Energy lost in MU	Area affected	Feeders affected
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
617	Kesinga	27.06.22	11:26	11:34	00:08	132kV Kesinga - Sainitala fdr	O/C,E/F	Tusura	00:13	-	-	0.004094	-	-
			11:27	11:40	00:13	132kV Bolangir - Tusura fdr	Source Failure	Saintala						
			11:30	11:40	00:10	132KV Saintala - Tusura fdr	At Tusura end:- E/F	ACME						
618	Tusura	27.06.22	11:53	12:04	00:11	132kV Bolangir - Tusura fdr	Source Failure	Tusura	00:07	-	-	0.002204	-	-
			11:54	11:57	00:03	132kV Kesinga - Sainitala fdr	O/C	Saintala						
			11:54	12:01	00:07	132KV Saintala - Tusura fdr	At Tusura end:- E/F	ACME						
619	Tusura	27.06.22	12:06	12:07	00:01	132kV Bolangir - Tusura fdr	Source Failure	Tusura	00:01	-	-	0.000315	-	-
								Saintala						
								ACME						
620	Kesinga	27.06.22	12:48	12:51	00:03	132kV Kesinga - Sainitala fdr	E/F	Tusura	00:06	-	-	0.001889	-	-
			12:48	12:54	00:06	132kV Bolangir - Tusura fdr	Source Failure	Saintala						
621	Chainpal	27.06.22	15:02	15:39	00:37	132kV Chainpal - TTPS ckt-I	tripped on O/C Bphase & E/F, IA=0-02kA, 0-08kA, 0-00A	Chainpal, FCI	00:37	-	-	0.028332	-	-
			15:02	21:30	06:28	132kV Chainpal - TTPS ckt-II	Tripped on O/C B phase & E/F, IA=198A, IB=392-4A, IC=547A	Chainpal Tr.						
			15:02	15:32	00:30	132kV Chainpal-Angul fdr	Tripped on O/C (B-ph) & E/F, Fault current IL1=0-14KA, IL2=0-34KA, IL3=0-46KA	Talcher Fert.						
			15:02	15:44	00:42	132kV Chainpal-FCI DC Line	132kV supply failure							
			15:02	15:46	00:44	132kV Chainpal - TLHD RTSS Line	132kV supply failure							
			15:02	18:59	03:57	132kV Chainpal - Meramundali ckt-I	tripped on O/C B-phase & E/F, IA=0A, IB=0A, IC=8-2KA							
			15:02	28.06.22 13:06:00	22:04	132kV Chainpal - Meramundali ckt-II	tripped on O/C B-phase & E/F, IA=0A, IB=0A, IC=7-06kA							
622	Rairakhhol	27.06.22	15:16	15:17	00:01	132kV Rairakhhol - Boinda fdr	Tripped at Angul grid end-	Rairakhhol, Boinda	-	-	-	-	-	-
623	Karakhendra	27.06.22	15:28	15:36	00:08	132kV ARYA - Karakhendra Fdr	132KV I/C Supply failed from ARYA(Joda) side due to CB auto trip at ARYA plant-	-	-	-	-	-	-	-
624	Narendrapur	27.06.22	17:58	18:09	00:11	220kV Narendrapur-Theruvalli Ckt-II	At Narendrapur End:- Tripped on distance fault-Main-I(SEL311C) A to G ,Zone-1, Dist-148-50km,Dist-132-5km At Theruvalli End:- A- N Trip, Zone-1, 24-6km, Ia=4176A, Ib=188A & Ic=101A-	-	-	-	-	-	-	-
			18:01	18:10	00:09	220kV Therubali-Narendrapur Ckt-2	At Therubali end:- A-G,Z-1, 24.6KM, Ia=4176A, Ib=188A, Ic=101A At Narendrapur end:- A-G,Z-1, 148.5KM, Ia=829A, Ib=74A, Ic=83A							
625	Choudwar	28.06.22	14:45	15:08	00:23	132kV Choudwar -T-S Alloy fdr	tripped at TS alloys end (O/C "R","B" phase)	Choudwar TS Alloy	00:23			0.019055		

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										MW rescheduled or estimated capacity restriction affected	Time: This should match with hours of non-availability in a month in Format B-2 as the case may be			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
		28.06.22	14:45	15:08	00:23	132kV Choudwar - ICCL-Ckt-II	Tripped at ICCL end	Kendrapara Tr.		-	-		-	-
		28.06.22	14:45	15:08	00:23	132kV Choudwar - Kendrapara Traction	main supply failed							
		28.06.22	14:46	15:08	00:22	132kV Choudwar - Bidanasi fdr	At Bidanasi End:- Tripped on DP relay operated Zone-2 pole C trip, Dist-16-17Km, Ic=4-239KAmp							
626	Polasponga	28.06.22	16:36	16:39	00:03	132kV Polasponga - Railway fdr	Back up relay- O/C (R-PH) Ia=240-0A, Ib=154-8A, Ic=98-6A, Inm=6-819A, Ind=6-274A	Polasponga Tr.	00:05	-	-	0.000463	-	-
			17:00	17:02	00:02		Back up relay- O/C (R-PH) Ia=241-6A, Ib=161-2A, Ic=95-85A, Inm=6-759A, Ind=3-755A			-	-		-	-
627	Kantabanji	28.06.22	19:23	19:27	00:04	132kV Kantabanji - RTSS fdr	Overcurrent	Kantabanji Tr.	00:04	-	-	0.000156	-	-
628	Choudwar	29.06.22	07:51	07:54	00:03	132kV Choudwar - Kendrapara Traction	O/C "B" phase,E/F	Kendrapara Tr	00:03	-	-	0.000104	-	-
629	Nuapada	29.06.22	09:09	09:15	00:06	132kV Nuapada-padampur fdr	Failed from New Bolangir	Padampur, Nuapada, Nuapada Tr.	00:06	-	-	0.003238	-	-
630	Sambalpur	29.06.22	10:15	10:30	00:15	132kV BurlaPH - Sambalpur fdr	<u>At Burla PH end:-</u> E/F, Fault impedance = 19-47 ohm, Dist= 46-2km	-	-	-	-	-	-	-
			10:15	10:36	00:21	132kV Sambalpur-Maneswar fdr	<u>At Sambalpur end:-</u> DP, Z2, R B phase, Dist- = 9-149km, Fault Imp=23-68 ohm, Ia=2014A, Ib=81-63A, Ic=111-8A							
631	Tarkera	29.06.22	10:40	11:09:00	00:29	220kV Tarkera-RSP II	NO RELAY INDICATION	-	-	-	-	-	-	-
632	Therubali	29.06.22	11:35	13:00	01:25	220kV Therubali-Indravati Ckt-2	<u>At Therubali end:-</u> CN,Z-1, 11.15 KM, Ia= 68 A, Ib= 41 A, Ic= 4.23 kA <u>At Indravati end:-</u> CN,Z-1, 77 KM, Ic= 684 A	-	-	-	-	-	-	-
633	Tentulikhunti	29.06.22	11:39	11:59	00:20	132kV Jayanagar - Tentulikhunti ckt-I	O/C, E/F, Zone-1, Dist-48KM, BG, Fault current-1-1kA	-	-	-	-	-	-	-
634	New Aska	29.06.22	12:00	12:15	00:15	132kV Aska New - Chatrapur ckt	Tripped on E/F on Y-B Ph, Z-1, D=15-96km, IY=3-7722kA and IB=3-765kA	-	-	-	-	-	-	-
635	Budhipadar	29.06.22	16:50	29.06.22 17:15:00	23:35	220kV Budhipadar-Tarkera Ckt-2	Master trip	-	-	-	-	-	-	-
636	Mendhasal	29.06.22	21:38	30.06.22 12:48:00	15:10	400kV Mendhasal - Meramundali ckt-I	IL1=14-8KA Dist=17-8KM zone 1 AR unsuccessful-	-	-	-	-	-	-	-
			21:38	22:04	00:26	220kV Mendhasal - Chandaka-B fdr	Chandaka -2main 1, main2 operated, master trip 1&2 operated-							

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										MW rescheduled or estimated capacity restriction affected	Time: This should match with hours of non-availability in a month in Format B-2 as the case may be			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
637	Soro	30.06.22	16:12	17:42	01:30	132kV Soro - Balasore fdr	At Balasore end:- C-G, Z-I, Dist-13-695km, fault current: Ia=105-6A,Ib=188-4A ,Ic=4-404 kA At Soro end:- Zone-I, Cph-G, Distance=20-42Km, Fault current: Ia=111A, Ib=194 A ,Ic=1-497kA-	-	-	-	-	-	-	-
638	Polasponga	30.06.22	17:34	17:36	00:02	132kV Polasponga - Railway fdr	Back up relay- O/C (R-Ph) Ia=243-4A, Ib=153-3A, Ic=97-72A,Inm = 7-032A, Ind= 6-036A	Polasponga Tr.	00:02	-	-	0.000196	-	-
639	Konark	30.06.22	23:04	23:06	00:02	132kV Konark - Nimapara fdr	Supply failure	Konark	00:02	-	-	0.000215	-	-

OVERALL PERFORMANCE***Frequency Profile for the quarter (APRIL '22-JUNE'22)***

Month	Total Hours	Total duration(in HRs) of frequency (> 50.05 Hz.)	Percentage of time [=(3/2) * 100]	Total duration(in HRs) of frequency (<49.9 Hz.)	Percentage of time [=(5/2) * 100]
1	2	3	4	5	6
APRIL	720	55.82	7.75	221.87	30.81
MAY	744	111.35	14.97	91.05	12.24
JUNE	720	91.03	12.64	96.22	13.36
Total	2184	258.20	11.82	409.13	18.73

OVERALL PERFORMANCE**Format - C1.2*****Frequency Profile for the quarter (APRIL '22-JUNE'22)*****(Maximum continuous period of deviation)**

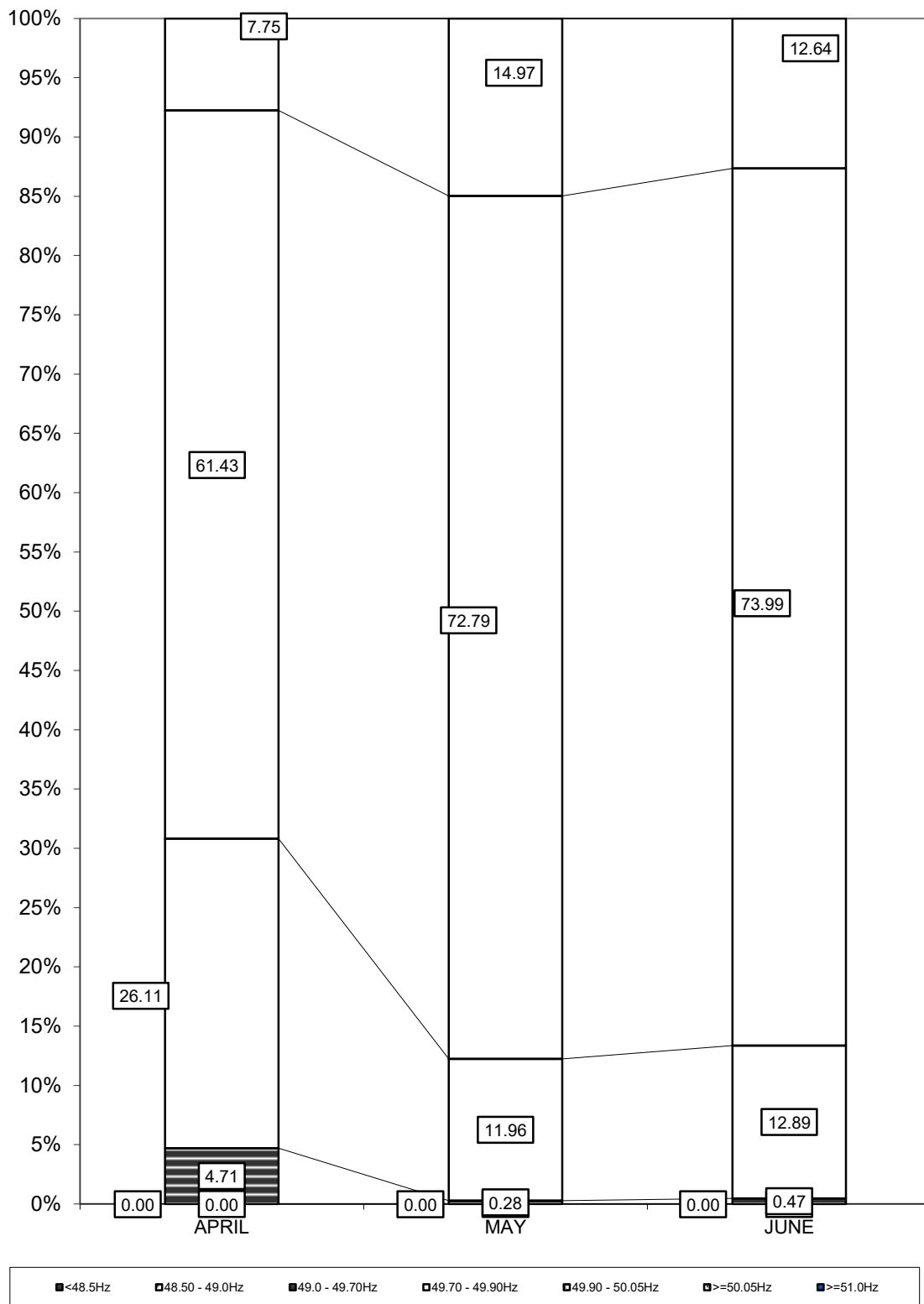
Month	Frequency (>50.05 Hz.)			Frequency (<49.9 Hz.)			
	Total duration (HRs)	Percentage of time	Maximum continuous period of deviation with date, time and reason	Month	Total duration (HRs)	Percentage of time	Maximum continuous period of deviation with date, time and reason
1	2	3	4	5	6	7	8
APRIL	3.95	0.18	20.04.22 / 14:06 to 20.04.22 / 17:59	MAY	4.48	0.21	22.05.22 / 06:59 . 22.05.22 / 10:28

OVERALL PERFORMANCE***Frequency Profile for the quarter (APRIL'22-JUNE'22)******Lowest / Highest frequency occurrence***

Highest frequency occurrence			Lowest frequency occurrence			Details of the event if there is islanding
Frequency in Hz	Date of occurrence	Time of occurrence	Frequency in Hz	Date of occurrence	Time of occurrence	
1	2	3	4	5	6	7

50.30	23.05.22	08:45	49.50	27.04.22	14:30	-
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FREQUENCY PROFILE



132KV VOLTAGE AT DIFFERENT GRID SUBSTATIONS

CESU ZONE

SUBSTATIONS	Apr.22						Mai.22						Jun.22					
	MAXIMUM			MINIMUM			MAXIMUM			MINIMUM			MAXIMUM			MINIMUM		
	KV	DATE	TIME	KV	DATE	TIME	KV	DATE	TIME	KV	DATE	TIME	KV	DATE	TIME	KV	DATE	TIME
Angul	139.3	17.04.2022	05:45	131.5	29.04.2022	14:15	140.06	03.05.2022	21:45	130.9	21.05.2022	15:00	142.89	20.06.2022	16:15	130.7	07.06.2022	15:00
Argul	134.4	16.04.2022	18:00	122.2	25.04.2022	14:15	139.43	24.05.2022	03:30	123.5	27.05.2022	15:15	138.39	20.06.2022	16:30	123.8	02.06.2022	14:30
Badagada	133.0	17.04.2022	06:45	113.9	26.04.2022	13:15	140.79	24.05.2022	03:45	112.9	21.05.2022	14:30	139.72	20.06.2022	16:30	119.8	03.06.2022	15:15
Balugaon	137.1	16.04.2022	18:45	118.6	27.04.2022	14:15	141.22	22.05.2022	08:00	118.6	31.05.2022	14:15	141.16	20.06.2022	16:00	116.3	02.06.2022	14:45
Banki	134.7	16.04.2022	18:00	123.1	25.04.2022	14:15	140.06	24.05.2022	03:30	124.5	21.05.2022	14:45	138.79	20.06.2022	16:30	123.5	02.06.2022	14:30
Bhubaneswar	134.1	07.04.2022	03:15	119.5	25.04.2022	14:15	142.14	24.05.2022	03:45	122.1	21.05.2022	15:15	141.79	20.06.2022	16:15	122.7	03.06.2022	15:15
Bidanasi	137.9	29.04.2022	06:30	124.1	25.04.2022	14:15	140.98	24.05.2022	03:45	124.1	18.05.2022	14:45	141.22	20.06.2022	16:30	124.1	08.06.2022	15:15
Boinda	141.4	23.04.2022	05:15	125.7	18.04.2022	08:00	143.06	24.05.2022	03:30	121.2	15.05.2022	16:30	144.16	20.06.2022	16:30	120.9	07.06.2022	15:15
Chainpal	141.4	23.04.2022	05:30	134.1	08.04.2022	15:15	141.50	03.05.2022	21:45	133.5	21.05.2022	14:30	142.77	20.06.2022	16:30	132.4	07.06.2022	15:00
Chandaka	132.4	07.04.2022	03:15	118.5	25.04.2022	14:15	140.06	24.05.2022	03:45	121.1	21.05.2022	14:30	140.58	22.06.2022	14:15	121.8	03.06.2022	15:15
Chandpur	134.8	16.04.2022	18:00	122.3	21.04.2022	12:15	139.66	24.05.2022	03:30	121.5	31.05.2022	14:30	138.44	20.06.2022	16:30	115.1	02.06.2022	14:30
Choudwar	137.8	29.04.2022	06:45	124.3	25.04.2022	14:15	140.52	22.05.2022	02:45	120.3	21.05.2022	15:30	140.64	20.06.2022	16:30	123.2	03.06.2022	15:15
Cuttack	134.3	07.04.2022	03:15	119.8	25.04.2022	14:15	141.22	24.05.2022	03:30	122.5	27.05.2022	15:15	140.18	20.06.2022	16:30	121.5	13.06.2022	15:00
Dhenkanal	136.3	27.04.2022	05:30	124.9	12.04.2022	15:45	141.56	24.05.2022	03:30	127.0	17.05.2022	15:15	140.06	14.06.2022	17:45	127.4	07.06.2022	12:30
Jagatsinghpur	135.7	26.04.2022	06:00	114.4	25.04.2022	13:45	141.85	03.05.2022	20:30	114.8	25.05.2022	23:00	139.95	20.06.2022	16:30	115.7	16.06.2022	23:00
Kalarangi	137.6	22.04.2022	06:00	129.2	25.04.2022	14:15	140.12	22.05.2022	06:00	129.1	28.05.2022	23:00	141.33	14.06.2022	18:15	130.0	07.06.2022	15:15
Kamakhyanagar	136.4	22.04.2022	06:00	128.1	19.04.2022	14:30	139.37	03.05.2022	19:30	126.8	28.05.2022	23:00	140.23	15.06.2022	16:30	128.4	07.06.2022	15:00
Kendrapada	136.4	26.04.2022	06:00	116.9	25.04.2022	13:45	143.81	24.05.2022	05:15	118.3	04.05.2022	15:15	143.12	14.06.2022	17:45	120.1	13.06.2022	23:15
Khajuriakata	137.7	27.04.2022	05:45	129.7	21.04.2022	12:00	141.62	24.05.2022	03:30	129.3	17.05.2022	15:15	140.75	20.06.2022	15:45	127.5	07.06.2022	12:30
KhuntuniGIS	136.3	27.04.2022	06:00	123.5	12.04.2022	15:45	141.82	24.05.2022	03:30	122.2	04.05.2022	15:15	140.73	20.06.2022	16:30	122.4	07.06.2022	14:15
Khurda	134.2	16.04.2022	18:00	113.8	22.04.2022	14:30	139.43	24.05.2022	03:30	123.4	27.05.2022	15:00	138.91	20.06.2022	16:30	123.8	02.06.2022	14:30
Konark	133.5	17.04.2022	06:45	115.0	26.04.2022	13:15	143.58	24.05.2022	03:45	117.3	21.05.2022	15:15	141.79	22.06.2022	14:15	117.7	03.06.2022	15:15
Mania	137.5	07.04.2022	03:15	113.9	25.04.2022	13:45	140.18	22.05.2022	03:00	118.3	21.05.2022	14:45	137.75	15.06.2022	18:00	122.3	08.06.2022	15:15
Marshaghai	136.6	26.04.2022	06:00	118.0	25.04.2022	13:45	144.19	24.05.2022	05:00	118.7	04.05.2022	15:15	143.48	14.06.2022	17:45	120.3	13.06.2022	23:15
Nimapara	132.7	17.04.2022	06:45	114.4	26.04.2022	13:15	142.49	24.05.2022	03:45	116.6	21.05.2022	14:30	141.79	22.06.2022	14:15	117.1	03.06.2022	15:15
Nuapatana	135.0	07.04.2022	03:15	123.3	25.04.2022	13:45	140.41	24.05.2022	03:30	124.9	21.05.2022	14:30	138.96	20.06.2022	16:30	123.7	02.06.2022	14:30
Olaver	136.1	19.04.2022	08:15	114.2	25.04.2022	13:45	144.54	03.05.2022	20:30	115.6	04.05.2022	22:45	144.08	14.06.2022	17:45	115.5	13.06.2022	23:15
Paradeep	135.9	26.04.2022	06:00	119.4	25.04.2022	13:45	141.45	24.05.2022	05:15	118.8	04.05.2022	15:15	139.95	14.06.2022	17:45	121.6	16.06.2022	23:15
Pattamundai	135.3	20.04.2022	08:15	114.7	25.04.2022	13:45	143.24	03.05.2022	20:30	116.4	04.05.2022	15:15	142.72	14.06.2022	17:45	117.4	13.06.2022	23:00
Phulnakhara	133.7	17.04.2022	06:45	118.2	25.04.2022	14:15	142.66	24.05.2022	03:30	121.0	27.05.2022	15:15	141.62	20.06.2022	16:30	122.5	03.06.2022	15:15
Puri	133.5	16.04.2022	19:30	118.2	27.04.2022	15:00	142.32	24.05.2022	03:15	114.0	29.05.2022	22:30	137.34	14.06.2022	15:15	112.3	13.06.2022	15:30
Ranasinghpur	132.3	17.04.2022	06:45	116.0	25.04.2022	14:15	142.25	24.05.2022	03:30	116.0	21.05.2022	14:30	142.25	22.06.2022	14:15	119.5	03.06.2022	15:15
Salipur	137.8	18.04.2022	05:15	114.3	25.04.2022	13:45	140.70	24.05.2022	03:45	116.6	28.05.2022	22:45	138.56	02.06.2022	19:30	120.5	07.06.2022	14:15
Samangara	130.5	16.04.2022	19:30	114.8	27.04.2022	15:00	140.41	24.05.2022	03:30	109.5	29.05.2022	22:30	143.58	22.06.2022	14:15	111.4	14.06.2022	22:45
Shamuka	131.5	16.04.2022	19:15	116.6	27.04.2022	15:00	140.70	24.05.2022	03:15	112.9	29.05.2022	22:15	138.85	20.06.2022	16:30	114.4	13.06.2022	23:00
Tirtol	136.3	26.04.2022	06:00	116.6	25.04.2022	13:45	143.59	24.05.2022	05:45	117.3	25.05.2022	23:00	141.49	02.06.2022	19:45	118.5	16.06.2022	23:00
Unit-8GIS	135.0	07.04.2022	03:15	122.6	25.04.2022	14:15	139.89	24.05.2022	03:45	124.0	21.05.2022	14:30	139.54	20.06.2022	16:30	124.5	02.06.2022	14:30

132KV VOLTAGE AT DIFFERENT GRID SUBSTATIONS

NESCO ZONE

SUBSTATIONS	Apr.22						Mai.22						Jun.22					
	MAXIMUM			MINIMUM			MAXIMUM			MINIMUM			MAXIMUM			MINIMUM		
	KV	DATE	TIME	KV	DATE	TIME	KV	DATE	TIME	KV	DATE	TIME	KV	DATE	TIME	KV	DATE	TIME
Agarpada	135.8	22.04.2022	07:00	122.3	25.04.2022	14:15	139.28	22.05.2022	06:30	119.9	28.05.2022	23:00	140.73	14.06.2022	18:00	116.9	07.06.2022	22:45
Anandpur	136.4	22.04.2022	06:00	126.7	25.04.2022	14:15	139.66	22.05.2022	06:30	120.3	28.05.2022	22:45	142.14	14.06.2022	18:15	127.1	07.06.2022	15:15
Balasure	137.9	22.04.2022	06:45	126.1	25.04.2022	14:15	139.77	22.05.2022	06:15	125.4	28.05.2022	23:00	140.87	14.06.2022	18:00	123.7	07.06.2022	14:15
Bangiriposi	137.6	22.04.2022	06:00	119.9	20.04.2022	18:00	138.33	22.05.2022	05:00	123.6	30.05.2022	23:00	139.43	19.06.2022	18:30	123.3	12.06.2022	23:15
Barbil	132.7	22.04.2022	02:45	125.6	13.04.2022	14:45	133.71	01.05.2022	21:45	122.8	16.05.2022	15:15	134.81	19.06.2022	16:30	120.3	14.06.2022	12:00
Baripada	136.0	22.04.2022	06:00	120.4	20.04.2022	18:00	137.33	22.05.2022	04:45	124.4	28.05.2022	23:00	138.56	19.06.2022	18:30	120.5	07.06.2022	09:15
Basta	138.1	22.04.2022	06:00	124.1	25.04.2022	14:30	139.43	22.05.2022	06:15	123.8	28.05.2022	23:00	140.23	20.06.2022	17:30	121.8	13.06.2022	14:45
Betanati	137.5	22.04.2022	06:00	120.7	26.04.2022	14:30	138.62	22.05.2022	06:00	124.8	28.05.2022	23:00	139.43	19.06.2022	18:30	108.5	07.06.2022	14:15
Bhadrak	136.4	07.04.2022	08:00	121.8	09.04.2022	15:45	138.79	22.05.2022	06:30	113.6	04.05.2022	13:00	140.64	14.06.2022	18:00	118.9	07.06.2022	22:30
Bhograi	137.5	22.04.2022	06:00	121.5	20.04.2022	18:00	138.74	21.05.2022	18:00	121.6	28.05.2022	23:00	138.68	19.06.2022	19:00	121.5	13.06.2022	23:00
Bolani	132.4	22.04.2022	02:45	125.0	13.04.2022	14:45	133.48	01.05.2022	21:45	122.2	16.05.2022	15:15	134.40	19.06.2022	16:30	122.2	10.06.2022	12:00
ChandabaliGIS	136.2	20.04.2022	08:15	115.2	25.04.2022	13:45	144.25	03.05.2022	20:30	116.9	04.05.2022	15:15	143.79	14.06.2022	17:45	117.7	13.06.2022	23:00
Chandikhol	137.5	21.04.2022	08:45	124.0	07.04.2022	11:45	140.93	24.05.2022	05:30	122.6	11.05.2022	22:30	143.24	14.06.2022	18:15	126.1	07.06.2022	15:15
Dhenkikote	136.8	22.04.2022	05:45	114.4	20.04.2022	18:45	138.39	03.05.2022	18:30	114.5	30.05.2022	23:00	140.29	19.06.2022	18:45	113.6	03.06.2022	22:45
DuburiO	137.1	22.04.2022	06:00	127.9	25.04.2022	14:15	139.71	24.05.2022	05:30	128.3	28.05.2022	23:00	141.50	14.06.2022	18:15	128.6	07.06.2022	15:15
JaipurRoad	136.7	22.04.2022	06:00	127.2	25.04.2022	14:15	139.83	22.05.2022	06:15	126.8	28.05.2022	23:00	142.08	14.06.2022	18:15	127.9	07.06.2022	15:00
JaipurTown	134.4	07.04.2022	08:15	119.0	25.04.2022	14:15	138.62	03.05.2022	20:00	117.4	28.05.2022	22:45	140.00	14.06.2022	18:00	113.4	07.06.2022	22:30
Jaleswar	137.5	22.04.2022	06:00	122.7	20.04.2022	18:00	138.56	22.05.2022	06:15	123.4	28.05.2022	23:00	138.33	19.06.2022	18:45	122.3	13.06.2022	14:45
Joda	132.4	22.04.2022	02:45	125.9	13.04.2022	14:45	133.65	22.05.2022	04:00	123.4	16.05.2022	15:15	136.02	07.06.2022	12:00	125.5	06.06.2022	13:00
Karanja	137.2	22.04.2022	05:45	114.5	20.04.2022	18:30	138.44	03.05.2022	18:30	115.2	30.05.2022	23:00	140.41	19.06.2022	18:30	114.1	03.06.2022	22:45
Polasponga	132.2	02.04.2022	05:00	119.8	30.04.2022	14:45	133.54	03.05.2022	18:00	114.4	04.05.2022	18:45	134.35	19.06.2022	16:45	117.7	07.06.2022	12:30
Rairangpur	136.4	22.04.2022	06:00	116.6	20.04.2022	18:30	136.89	03.05.2022	18:30	118.5	30.05.2022	23:00	139.08	19.06.2022	18:30	118.2	12.06.2022	23:15
Somnathpur	137.6	22.04.2022	06:45	125.7	25.04.2022	14:30	139.37	22.05.2022	06:15	125.1	28.05.2022	23:00	140.47	14.06.2022	18:00	123.3	07.06.2022	14:15
Soro	136.5	22.04.2022	06:45	122.0	28.04.2022	11:15	137.98	22.05.2022	06:15	120.5	28.05.2022	23:00	140.00	14.06.2022	18:00	119.2	07.06.2022	22:45
Udala	138.0	22.04.2022	06:00	123.1	26.04.2022	14:30	139.40	22.05.2022	06:00	124.7	28.05.2022	23:00	140.30	19.06.2022	18:15	114.1	07.06.2022	14:15

SOUTHCO ZONE

SUBSTATIONS	Apr.22						Mai.22						Jun.22					
	MAXIMUM			MINIMUM			MAXIMUM			MINIMUM			MAXIMUM			MINIMUM		
	KV	DATE	TIME	KV	DATE	TIME	KV	DATE	TIME	KV	DATE	TIME	KV	DATE	TIME	KV	DATE	TIME
Akhusingh	148.4	26.04.2022	17:45	114.7	07.04.2022	12:30	158.51	26.05.2022	17:00	116.2	29.05.2022	23:15	155.84	12.06.2022	18:15	116.4	09.06.2022	15:00
Aska	139.8	16.04.2022	19:45	127.6	02.04.2022	15:45	142.25	01.05.2022	18:00	129.1	31.05.2022	15:00	143.06	20.06.2022	16:15	126.3	02.06.2022	14:30
Berhampur	137.9	27.04.2022	06:15	121.7	27.04.2022	14:15	140.29	01.05.2022	18:30	124.8	17.05.2022	15:00	141.50	14.06.2022	15:00	123.8	04.06.2022	11:45
Bhanjanagar	134.7	16.04.2022	19:45	124.9	02.04.2022	15:45	136.89	24.05.2022	03:45	125.9	27.05.2022	15:15	137.35	20.06.2022	16:00	125.0	02.06.2022	14:30
Boudh	136.3	21.04.2022	20:45	110.8	30.04.2022	16:15	138.44	24.05.2022	00:45	113.8	27.05.2022	16:15	141.10	19.06.2022	14:15	119.0	28.06.2022	19:45
Chatrapur	139.0	27.04.2022	06:15	122.2	27.04.2022	14:15	141.10	22.05.2022	08:00	125.0	17.05.2022	15:00	142.14	20.06.2022	16:15	121.6	02.06.2022	14:45
Chikiti	139.7	16.04.2022	20:00	127.0	02.04.2022	15:45	142.60	01.05.2022	18:00	127.9	17.05.2022	12:30	142.77	20.06.2022	16:00	124.2	02.06.2022	15:45
Dabugaon	133.4	18.04.2022	06:15	118.2	01.04.2022	10:45	134.52	18.05.2022	18:15	120.6	17.05.2022	12:30	134.68	20.06.2022	12:15	123.4	08.06.2022	14:15
Digapahandi	141.7	16.04.2022	19:30	129.0	02.04.2022	15:45	144.68	01.05.2022	18:00	130.0	17.05.2022	12:45	144.97	20.06.2022	16:15	126.6	02.06.2022	15:45
Ganjam	139.5	27.04.2022	06:30	121.9	27.04.2022	14:15	140.95	22.05.2022	08:00	124.7	17.05.2022	15:15	141.93	20.06.2022	16:15	121.1	02.06.2022	14:45
Jayanagar	137.9	06.04.2022	15:00	130.2	01.04.2022	10:30	138.85	01.05.2022	19:00	132.0	03.05.2022	14:00	138.96	25.06.2022	17:30	132.6	02.06.2022	14:00
Mohana	139.5	17.04.2022	18:00	110.2	21.04.2022	11:45	146.13	26.05.2022	17:15	108.8	29.05.2022	22:30	147.89	12.06.2022	18:30	110.4	02.06.2022	10:00
Narendrapur	142.5	27.04.2022	06:30	116.2	01.04.2022	10:15	144.80	01.05.2022	18:30	129.4	17.05.2022	15:00	146.64	14.06.2022	15:00	130.9	02.06.2022	14:30
Paralakhemendi	139.1	16.04.2022	18:15	107.2	23.04.2022	15:00	147.57	26.05.2022	17:00	107.2	29.05.2022	23:15	152.13	12.06.2022	18:30	107.4	02.06.2022	10:00
Phulbani	134.3	16.04.2022	17:45	122.0	02.04.2022	18:30	138.56	01.05.2022	18:00	124.6	27.05.2022	15:15	138.16	20.06.2022	16:00	123.1	02.06.2022	15:15
Podagada	144.1	18.04.2022	17:30	121.0	22.04.2022	15:15	144.15	19.05.2022	17:45	120.5	29.05.2022	22:30	147.01	12.06.2022	17:30	121.2	02.06.2022	10:00
Potangi	136.5	29.04.2022	18:15	122.9	29.04.2022	11:15	137.11	01.05.2022	19:00	126.6	06.05.2022	22:15	136.14	12.06.2022	20:45	128.9	02.06.2022	14:30
Purushottampur	138.5	18.04.2022	06:45	124.9	02.04.2022	16:00	141.89	01.05.2022	18:00	124.4	05.05.2022	12:15	140.11	20.06.2022	16:00	120.8	02.06.2022	14:45
Rayagada	145.5	05.04.2022	17:30	115.5	23.04.2022	15:00	145.83	01.05.2022	18:45	113.5	28.05.2022	15:15	147.17	15.06.2022	13:45	116.6	02.06.2022	10:00
Sunabeda	138.6	06.04.2022	15:00	129.6	01.04.2022	10:45	140.00	01.05.2022	19:00	129.7	07.05.2022	14:45	138.91	12.06.2022	20:30	132.0	02.06.2022	14:30
Tentulikhunti	137.8	05.04.2022	18:00	127.0	01.04.2022	10:45	138.62	19.05.2022	17:45	128.2	11.05.2022	11:30	139.14	15.06.2022	13:45	130.2	08.06.2022	14:15
Therubali	141.4	05.04.2022	18:15	133.4	26.04.2022	14:30	142.49	22.05.2022	07:30	134.2	18.05.2022	14:15	142.60	15.06.2022	18:00	133.4	02.06.2022	14:30
Umerkote	139.5	28.04.2022	03:15	121.9	01.04.2022	10:45	136.74	05.05.2022	03:15	123.6	16.05.2022	23:30	136.37	11.06.2022	17:45	125.5	02.06.2022	16:45

132KV VOLTAGE AT DIFFERENT GRID SUBSTATIONS

WESCO ZONE

SUBSTATIONS	Apr.22						Mai.22						Jun.22					
	MAXIMUM			MINIMUM			MAXIMUM			MINIMUM			MAXIMUM			MINIMUM		
	KV	DATE	TIME	KV	DATE	TIME	KV	DATE	TIME	KV	DATE	TIME	KV	DATE	TIME	KV	DATE	TIME
Barapalli	138.8	21.04.2022	20:30	113.4	26.04.2022	15:45	136.48	22.05.2022	21:00	114.4	27.05.2022	16:15	139.14	19.06.2022	13:30	118.5	01.06.2022	16:15
Bargarh	139.4	21.04.2022	20:45	118.4	06.04.2022	14:00	139.60	22.05.2022	21:00	111.7	27.05.2022	16:15	139.77	19.06.2022	13:30	121.9	02.06.2022	16:15
Bhawanipatna	140.6	22.04.2022	04:45	120.7	01.04.2022	18:00	141.01	03.05.2022	16:30	121.3	25.05.2022	16:15	144.38	20.06.2022	13:15	125.7	09.06.2022	15:45
Bolangir	139.5	21.04.2022	20:45	121.9	01.04.2022	15:45	138.10	22.05.2022	21:45	119.6	27.05.2022	16:15	139.31	19.06.2022	13:30	125.0	02.06.2022	16:45
Brajarajnagar	140.1	22.04.2022	22:00	130.0	08.04.2022	15:15	143.50	23.05.2022	23:45	135.6	14.05.2022	15:45	144.36	19.06.2022	14:00	135.0	14.06.2022	15:30
Budhipadar	134.2	22.04.2022	05:00	129.0	08.04.2022	15:15	135.67	23.05.2022	23:00	130.7	14.05.2022	15:45	136.19	19.06.2022	14:00	129.8	09.06.2022	16:00
Chend	134.3	22.04.2022	01:45	127.5	07.04.2022	15:15	135.73	23.05.2022	23:00	128.2	18.05.2022	15:45	135.50	19.06.2022	15:45	126.7	10.06.2022	12:00
ChipilimaP.H.	134.8	22.04.2022	00:30	125.4	09.04.2022	15:45	137.34	23.05.2022	23:00	113.2	27.05.2022	16:15	139.23	19.06.2022	13:45	126.5	13.06.2022	16:45
Ghens	141.4	21.04.2022	20:45	118.1	12.04.2022	16:15	140.75	22.05.2022	21:00	114.4	27.05.2022	16:15	140.23	19.06.2022	13:30	123.1	16.06.2022	16:15
Jharsuguda	135.5	22.04.2022	04:45	130.1	08.04.2022	15:15	136.94	23.05.2022	23:00	131.7	14.05.2022	15:45	137.41	19.06.2022	14:00	130.9	09.06.2022	16:00
Jayapatna	135.4	05.04.2022	18:15	121.6	01.04.2022	10:45	137.92	22.05.2022	07:45	129.3	03.05.2022	14:45	138.04	15.06.2022	18:00	127.5	09.06.2022	16:45
Junagarah	138.7	21.04.2022	20:45	121.9	01.04.2022	18:00	137.69	03.05.2022	16:45	120.9	27.05.2022	16:00	140.81	20.06.2022	13:15	124.6	09.06.2022	15:45
Kalunga	135.6	22.04.2022	01:45	121.2	15.04.2022	16:15	136.81	23.05.2022	23:45	123.8	20.05.2022	15:30	136.93	14.06.2022	18:15	123.5	11.06.2022	15:45
Kantabanji	139.5	21.04.2022	20:45	116.2	01.04.2022	15:45	137.58	17.05.2022	17:30	108.4	25.05.2022	17:30	142.43	19.06.2022	13:45	118.2	03.06.2022	16:45
Katapali	135.3	21.04.2022	20:45	127.9	15.04.2022	16:00	136.31	23.05.2022	23:00	120.0	27.05.2022	14:00	138.10	19.06.2022	13:45	128.5	02.06.2022	16:15
Kesinga	139.6	21.04.2022	20:45	122.3	01.04.2022	18:00	137.00	03.05.2022	16:45	121.5	27.05.2022	16:15	140.18	19.06.2022	13:30	125.9	09.06.2022	15:45
Khariar	150.4	28.04.2022	19:30	122.9	24.04.2022	16:15	148.47	17.05.2022	17:30	115.1	25.05.2022	17:30	149.69	10.06.2022	01:45	122.8	13.06.2022	15:00
Kuchinda	134.9	25.04.2022	10:15	125.0	01.04.2022	12:30	136.26	23.05.2022	23:45	123.7	31.05.2022	15:00	138.27	19.06.2022	14:15	124.6	03.06.2022	15:45
Lapanga	135.8	22.04.2022	00:15	131.0	08.04.2022	15:15	137.17	23.05.2022	23:00	132.0	15.05.2022	16:30	137.92	19.06.2022	14:00	131.3	09.06.2022	16:30
Maneswar	135.2	22.04.2022	00:45	126.8	13.04.2022	15:15	137.66	02.05.2022	10:15	111.1	27.05.2022	16:15	140.61	23.06.2022	16:00	126.5	03.06.2022	15:45
Nuapada	139.9	21.04.2022	22:45	111.0	12.04.2022	16:30	136.94	27.05.2022	20:15	112.3	25.05.2022	16:30	142.57	19.06.2022	13:15	119.8	05.06.2022	16:45
Padampur	148.1	21.04.2022	20:15	118.4	30.04.2022	16:30	144.70	27.05.2022	20:15	121.3	05.05.2022	16:15	150.59	19.06.2022	13:30	126.3	05.06.2022	16:45
Patnagarh	138.3	21.04.2022	20:45	117.7	12.04.2022	16:30	135.67	22.05.2022	21:00	117.0	27.05.2022	16:15	138.79	19.06.2022	13:30	121.8	02.06.2022	16:45
Rairakhol	141.3	14.04.2022	05:45	126.8	18.04.2022	08:00	143.64	24.05.2022	03:30	123.3	15.05.2022	16:30	143.81	20.06.2022	16:15	123.8	07.06.2022	15:15
Rajgangpur	135.2	22.04.2022	01:15	125.0	08.04.2022	15:15	136.48	23.05.2022	23:00	128.1	31.05.2022	11:30	136.31	19.06.2022	15:45	125.3	14.06.2022	15:30
Rourkela	135.1	22.04.2022	01:45	128.6	07.04.2022	15:15	136.37	23.05.2022	23:00	129.1	18.05.2022	15:45	136.25	19.06.2022	15:45	127.5	10.06.2022	12:00
Sadeipali	138.3	21.04.2022	20:45	120.6	01.04.2022	15:45	135.33	22.05.2022	21:45	118.3	27.05.2022	16:15	137.75	19.06.2022	13:30	123.9	02.06.2022	16:45
Sambalpur	135.8	22.04.2022	00:15	127.5	13.04.2022	14:45	137.29	23.05.2022	23:00	111.5	27.05.2022	16:15	139.25	19.06.2022	14:00	127.1	03.06.2022	15:45
Sonepur	138.0	21.04.2022	20:45	112.6	30.04.2022	16:30	136.02	22.05.2022	21:45	112.5	27.05.2022	16:15	137.58	19.06.2022	14:15	118.4	05.06.2022	16:15
Sundargarah	136.3	22.04.2022	04:45	130.4	08.04.2022	15:15	137.87	23.05.2022	23:00	131.7	02.05.2022	15:15	138.56	19.06.2022	14:00	131.3	13.06.2022	16:30
Tusura	140.0	21.04.2022	20:45	120.0	01.04.2022	17:45	137.96	22.05.2022	21:45	118.3	27.05.2022	16:15	139.18	19.06.2022	13:45	122.6	02.06.2022	16:45

400KV VOLTAGE AT DIFFERENT GRID SUBSTATIONS

SUBSTATIONS	Apr.22						Mai.22						Jun.22					
	MAXIMUM			MINIMUM			MAXIMUM			MINIMUM			MAXIMUM			MINIMUM		
	KV	DATE	TIME	KV	DATE	TIME	KV	DATE	TIME	KV	DATE	TIME	KV	DATE	TIME	KV	DATE	TIME
Duburi Old	416.0	13.04.2022	06:00	396.3	25.04.2022	14:15	420.7	22.05.2022	02:30	397.5	21.05.2022	14:30	423.7	20.06.2022	17:15	399.3	13.06.2022	14:30
Lapanga	410.6	30.04.2022	18:00	392.8	09.04.2022	09:30	411.6	24.05.2022	03:45	404.3	16.05.2022	15:00	412.6	19.06.2022	14:00	404.3	02.06.2022	15:30
Mendhasal	412.9	13.04.2022	06:00	384.7	25.04.2022	14:15	419.4	22.05.2022	02:45	390.5	27.05.2022	15:00	424.8	20.06.2022	16:30	390.3	02.06.2022	14:30
Meramundali	415.2	13.04.2022	06:00	398.5	08.04.2022	15:15	416.0	22.05.2022	02:45	399.3	25.05.2022	14:45	426.7	20.06.2022	16:30	398.6	02.06.2022	14:30

220KV VOLTAGE AT DIFFERENT GRID SUBSTATIONS

SUBSTATIONS	Apr.22						Mai.22						Jun.22					
	MAXIMUM			MINIMUM			MAXIMUM			MINIMUM			MAXIMUM			MINIMUM		
	KV	DATE	TIME	KV	DATE	TIME	KV	DATE	TIME	KV	DATE	TIME	KV	DATE	TIME	KV	DATE	TIME
Askan	232.8	16.04.2022	19:45	214.3	02.04.2022	15:45	236.5	22.05.2022	07:45	217.2	27.05.2022	15:15	236.0	20.06.2022	16:15	214.8	02.06.2022	14:30
Atri	227.5	07.04.2022	03:15	210.4	25.04.2022	14:15	234.3	24.05.2022	03:30	212.5	27.05.2022	15:15	236.0	20.06.2022	16:30	212.3	02.06.2022	14:30
Balasore	229.7	22.04.2022	06:00	211.9	25.04.2022	14:30	233.0	22.05.2022	06:15	211.2	28.05.2022	23:00	234.4	14.06.2022	18:00	209.2	07.06.2022	14:15
Balimela	241.2	06.04.2022	20:00	229.4	01.04.2022	10:15	243.5	22.05.2022	13:00	232.0	03.05.2022	14:30	243.3	25.06.2022	14:00	232.4	16.06.2022	14:30
Barkote	233.0	21.04.2022	09:00	220.6	04.04.2022	10:30	232.3	01.05.2022	06:30	223.4	27.05.2022	14:30	234.3	22.06.2022	14:00	221.1	10.06.2022	12:00
Bargarh	229.0	21.04.2022	20:45	201.6	12.04.2022	16:30	227.5	22.05.2022	21:00	208.1	15.05.2022	16:30	231.5	19.06.2022	13:30	209.6	02.06.2022	10:30
Bhadrak	228.6	22.04.2022	06:45	209.5	25.04.2022	14:30	233.5	03.05.2022	20:00	206.5	04.05.2022	13:00	235.7	14.06.2022	18:00	202.5	07.06.2022	22:30
Bhanjanagar	232.8	16.04.2022	19:45	215.0	02.04.2022	15:45	236.8	24.05.2022	03:45	218.1	27.05.2022	15:15	236.5	20.06.2022	16:30	216.7	02.06.2022	14:30
Bidanasi	227.3	07.04.2022	03:15	204.7	29.04.2022	14:45	236.9	24.05.2022	03:45	210.2	21.05.2022	14:30	235.6	20.06.2022	16:30	210.7	03.06.2022	15:15
BolangirN	234.7	21.04.2022	20:45	209.1	01.04.2022	18:00	230.5	22.05.2022	21:00	204.3	27.05.2022	16:15	234.5	19.06.2022	13:30	213.6	03.06.2022	15:45
Budhipadar	228.0	22.04.2022	05:45	213.2	01.04.2022	16:45	229.6	27.05.2022	16:45	223.3	14.05.2022	16:15	229.8	19.06.2022	14:00	222.6	13.06.2022	16:30
Chandaka	226.5	07.04.2022	03:15	206.6	25.04.2022	14:15	234.3	24.05.2022	03:45	209.3	27.05.2022	15:15	234.2	20.06.2022	16:30	209.9	02.06.2022	14:30
Cuttack	226.2	07.04.2022	03:15	203.6	25.04.2022	14:15	234.3	24.05.2022	03:30	207.0	21.05.2022	14:30	234.6	20.06.2022	16:30	202.4	08.06.2022	15:00
Duburi Old	227.9	22.04.2022	06:00	208.5	25.04.2022	14:30	230.4	24.05.2022	06:00	213.6	31.05.2022	14:45	232.5	14.06.2022	18:15	214.2	02.06.2022	14:30
Duburi New	229.4	22.04.2022	06:00	215.3	25.04.2022	14:15	232.7	24.05.2022	05:30	216.6	21.05.2022	14:30	234.6	14.06.2022	18:15	217.3	13.06.2022	23:00
Infocity-II GIS	228.2	07.04.2022	03:15	209.6	25.04.2022	14:15	235.3	24.05.2022	03:45	212.3	27.05.2022	15:15	236.1	20.06.2022	16:30	212.4	02.06.2022	14:30
Jayanagar	239.1	06.04.2022	20:15	228.0	01.04.2022	10:30	240.2	01.05.2022	19:00	230.7	03.05.2022	14:45	241.0	25.06.2022	17:30	230.3	16.06.2022	14:30
Joda	227.7	21.04.2022	20:45	215.6	09.04.2022	15:45	227.9	22.05.2022	21:00	205.5	27.05.2022	16:30	230.5	19.06.2022	13:45	216.5	02.06.2022	16:15
Katapalli	227.7	21.04.2022	20:45	215.6	09.04.2022	15:45	227.8	22.05.2022	21:00	206.3	27.05.2022	16:30	230.5	19.06.2022	13:45	216.4	02.06.2022	16:15
KeonjharGIS	223.2	30.04.2022	19:15	212.6	27.04.2022	14:45	229.1	07.05.2022	06:00	212.5	03.05.2022	14:45	226.0	25.06.2022	17:45	217.0	08.06.2022	15:00
Lapanga	226.9	22.04.2022	05:00	220.9	09.04.2022	15:45	227.8	24.05.2022	03:45	212.2	24.05.2022	18:15	229.5	19.06.2022	14:00	221.3	13.06.2022	16:45
Laxmipur	239.2	05.04.2022	18:00	227.8	01.04.2022	10:15	240.8	22.05.2022	07:45	229.7	27.05.2022	16:15	241.2	25.06.2022	14:00	229.1	02.06.2022	14:30
Malkangiri	241.1	06.04.2022	20:00	229.3	01.04.2022	10:30	243.3	22.05.2022	13:15	231.9	03.05.2022	14:30	243.2	25.06.2022	14:00	232.3	16.06.2022	14:30
Mendhasal	229.1	07.04.2022	03:15	209.9	25.04.2022	14:15	236.2	24.05.2022	03:45	212.7	27.05.2022	15:15	236.8	20.06.2022	16:30	213.2	02.06.2022	14:30
Meramundali	228.6	24.04.2022	06:00	220.9	25.04.2022	14:15	230.2	11.05.2022	06:00	221.0	31.05.2022	15:15	229.7	19.06.2022	17:30	218.5	07.06.2022	15:00
Narsinghpur	221.2	16.04.2022	20:00	208.4	01.04.2022	15:00	226.7	05.05.2022	17:45	211.7	27.05.2022	15:15	224.2	20.06.2022	16:30	209.4	02.06.2022	14:30
Narendrapur	232.5	27.04.2022	06:15	207.3	27.04.2022	14:15	235.6	22.05.2022	08:00	212.5	27.05.2022	16:15	239.4	14.06.2022	15:00	214.9	02.06.2022	14:30
Nayagarh	229.6	16.04.2022	20:00	210.0	28.04.2022	11:45	235.5	03.05.2022	22:45	212.7	27.05.2022	15:15	235.6	20.06.2022	16:30	212.0	02.06.2022	14:30
Paradeep	225.8	17.04.2022	07:45	202.2	25.04.2022	14:30	235.7	03.05.2022	21:15	203.7	21.05.2022	14:30	235.7	14.06.2022	18:15	204.4	13.06.2022	23:00
Tarkera	227.6	30.04.2022	06:00	205.0	29.04.2022	10:15	228.6	21.05.2022	21:45	220.3	18.05.2022	14:45	228.6	14.06.2022	18:00	217.2	10.06.2022	12:00
Theruvali	236.1	05.04.2022	18:15	222.7	26.04.2022	14:30	237.7	19.05.2022	17:45	223.9	18.05.2022	14:15	238.0	15.06.2022	18:00	222.6	02.06.2022	14:30
Rengali	228.5	21.04.2022	06:30	220.9	08.04.2022	15:15	229.3	22.05.2022	11:00	222.3	30.05.2022	23:15	229.7	25.06.2022	17:45	219.3	08.06.2022	14:30

Percentage of time voltage in the Quarter was beyond levels permitted under CEA (Grid Standards) Regulations, 2010.

Name of the Grid Sub-station	Hours in the Quarter	400 kV				220 kV				132 kV				Maximum continuous period of deviation : with date and time*		Reasons for such deviation*	Tap position in concerned transformer during extreme condition.	
		Hours in the Quarter voltage went beyond 420 kV	%	Hours in the Quarter voltage went below 380 kV	%	Hours in the Quarter voltage went beyond 245 kV	%	Hours in the Quarter voltage went below 198 kV	%	Hours in the Quarter voltage went beyond 145 kV	%	Hours in the Quarter voltage went below 122 kV	%	220 kV	132 kV		Auto Transformer	Power Transformer
1	2	3	4	5	6	3	4	5	6	7	8	9	10	11	12	13	14	15
Balasore		0	0	0	0	0	0	0	0	0	0	2.5	0.001					
Bhanjanagar		0	0	0	0	0	0	0	0	0	0	0	0					
Bidanasi		0	0	0	0	0	0	0	0	0	0	0	0					
Bolangir New		0	0	0	0	0	0	0	0	0	0	6.5	0.003					
Budhipadar		0	0	0	0	0	0	0	0	0	0	0	0					
Chandaka		0	0	0	0	0	0	0	0	0	0	0	0					
Cuttack		0	0	0	0	0	0	0	0	0	0	0	0					
Duburi New		0	0	0	0	0	0	0	0	0	0	0	0					
Jayanagar		0	0	0	0	0.5	2E-04	0	0	0	0	0.25	1E-04					
Joda		0	0	0	0	0	0	0	0	0	0	0	0					
Meramundali		72	0.03	0	0	0	0	0	0	0	0	0	0					
Narendrapur		0	0	0	0	0	0.0000	0	0	0	0	0	0					
Tarkera		0	0	0	0	0	0	0	0	0	0	0	0					
Theruvali		0	0	0	0	0	0	0	0	0	0.0000	0	0					

*Data relates to those Sub-stations where analog instrument facilities are available.

**Specific reasons, if any, may be mentioned.

Data for the above sub-stations could not be furnished for want of analog facilities.

GENERATION CAPACITY

SL.NO.			
1	O.H.P.C.		
	HIRAKUD POWER STATION		
	(a)BURLA	2 x 49.5 = 99	287.5
		2 x 32 = 64	
		1 x 37.5 = 37.5	
		2 x 43.5 = 97	
	(b)CHIPLIMA	3 x 24 = 72	
	BALIMELA POWER HOUSE	6 x 60+2 x 75 = 510	135
	RENGALI POWER HOUSE	5 x 50 = 250	60
	UPPER KOLAB POWER HOUSE	4 x 80 = 320	95
	INDRAVATI POWER HOUSE	4 x 150 = 600	224
	MACHHKUND POWER HOUSE 20% extra)	3 x 17 = 51 3 x 23 = 69	60
TOTAL HYDRO , (A)		2099.5	
2	O.P.G.C.		
	IB TPS STAGE-I	2 x 210 = 420	342.09
	IB TPS STAGE-II	2 X 660 = 1320 (ORISSA SHARE = 990)	680
	TOTAL THERMAL , (B)	1410	

287.5

CENTRAL SECTOR GENERATION

SL.NO.	NAME OF POWER STATION	INSTALLED CAPACITY IN MW	SHARE OF		AUX.	% AGE
			SHARE IN %	MW		
1	CHUKHA (BHUTAN)	4 x 84 = 336 (270MW considered for calculating share)	15.19	41		85
2	TALA (BHUTAN)	6 x 170 = 1020	4.25	43.4		
3	FARAKKA (WEST BENGAL)	3 x 200 = 600				
		2 x 500 = 1000				
		1 x 500 = 500	16.62	83.1	7.5	85
4	KAHALGAON (BIHAR)	4 x 210 = 840				
		3 x 500 = 1500	2.05	39.3	9	62.11
5	TSTPP, KANIHA (ORISSA)	2 x 500 = 1000	31.8	318	7.5	85
		4 x 500 = 2000	10	200	7.5	
6	TEETSA	3 x 170 = 510	20.59	105		85
7	MANGDECHU HEP (BHUTAN)	4 X 180 = 720	10.97	78.98		
8	MTPS (BIHAR)	2 X 195 = 390	8.53	33.27		
9	DARLIPALI STPS	2 X 800 = 1600	58.82	941.18		
		Total ISGS		1883.23		

GRAND TOTAL (A) + (B) + (C) = 5392.73 MW

* BARH STPS-I Share has been surrendered since 00:00 hrs of 13.03.22 to 23:59 hrs of 30.06.22

FORMAT-D.2

MONTHLY NET GENERATION / EXCHANGE / DEMAND DATA IN MU

CONSTITUENTS	Apr.22	Mai.22	Jun.22
BURLA	51.090	36.114	18.125
CHIPLIMA	30.983	27.575	16.715
BALIMELA	148.047	107.169	104.674
RENGALI	86.435	59.646	7.758
U.KOLAB	55.501	25.202	7.494
INDRAVATI	50.038	19.197	17.326
O.H.P.C	422.094	274.903	172.093
MACHHAKUND(O/D)	24.388	19.358	22.675
TOTAL STATE HYDRO	446.482	294.261	194.768
IB.T.P.S	229.912	233.627	220.351
OPGC (UNIT3)	401.597	640.829	628.622
OPGC(UNIT 3 UI)	0.000	0.000	0.000
IPP-GMR	169.307	176.623	163.885
GMR(UI)	0.000	0.000	2.006
IPP-Vedanta Ltd	201.821	334.022	301.391
IPP-JITPL	3.019	55.355	34.486
NBVL (IPP)	4.368	4.224	4.320
TOTAL THERMAL	1010.024	1444.680	1355.061
IMFA	0.560	0.270	0.132
NALCO	0.910	0.230	0.005
OTHER CGPs	51.904	47.500	25.400
TOTAL-CPPs	53.374	48.000	25.537
Meenakshi	5.614	4.917	3.344
Samal HEP	9.505	10.686	3.208
M/S BPPPL	0.532	-0.049	2.264
Ms APPPL	0.088	0.000	0.326
Kakatiya		0.485	-0.009
Total Small Hydro	15.740	16.038	9.134
Solar Power under RPSSGP Scheme	0.863	0.910	0.745
Alex Green Energy	0.646	0.775	0.525
ACME Solar	4.109	4.450	3.746
SECI (VGF Scheme Ph-II,Batch-I-GEDCOL)	2.414	2.676	2.107
SECI (VGF Scheme Ph-II,Batch-IV)	35.035	38.669	29.698
Aditya Birla Pvt. Ltd.-1	4.768	5.131	4.036
Aditya Birla Pvt. Ltd.-2	4.528	4.912	4.000
Aditya Birla Pvt. Ltd.-3	4.401	4.893	3.877
Total State Solar	56.764	62.416	48.734
Biomass-SGEL	7.154	6.694	3.327
Total Odisha	1589.537	1872.090	1636.560
SECI (VGF Scheme Ph-II,Batch-I-Rajasthan & Dadri Solar Bundle Power	9.281	9.495	9.014
Faridabad Solar Bundle Power	0.697	0.689	0.694
NVVNL Bundle Power(Solar) (Including OA Ch	0.633	0.565	0.578
SECI(Azure Power Pvt. Ltd.)	3.585	2.810	2.645
Total Central Solar	97.979	96.649	90.508
TOTAL Central Solar	112.175	110.209	103.440
PTC-Ostro	13.922	21.451	17.621
SECI-Green Infra	25.971	41.810	33.892
Vivid Solire	5.619	26.647	31.551
Renew Wind Energy	9.993	15.590	13.084
Adani Wind Energy	17.672	26.334	21.699
Total Central Wind	73.177	131.832	117.847
TOTAL Central Thermal	905.617	777.494	1062.469
TOTAL Central Hydro	11.993	11.562	42.974
Central Sector Overdrawal	33.850	29.690	45.700
EREB IMPORT	1397.946	1203.624	1410.784
EREB EXPORT	22.350	26.940	24.900
NET EREB	1375.596	1176.684	1385.884
Banking Power(Import)	78.311	57.120	47.503
TRADING(PXIL+IEX+Bilateral) (Import)	35.709	58.415	94.001
Banking Power(Export)	0.000	0.000	0.000
TRADING(PXIL+IEX+Bilateral) (Export)	15.177	53.549	87.676
OTHER SALE(Including Nalco+Imfa)	24.640	16.870	24.970
SYSTEM DEMAND	2925.316	2978.355	2909.799

* Monthly Pool Account is yet to be finalised.

GRIDCO DRAWAL FROM DIFFERENT SOURCES FOR THE PERIOD (April'22-June'22)

Sl. No	Source of Power	Drawal in MU	Total Cost in Crore(Rs.)	Avg. Cost in P/U
1	TOTAL HYDRO	935.511	127.716	136.52
2	OPGC	2354.939	738.850	313.74
3	TTPS			
4	ISGS	3938.164	1432.267	363.69
5	CPPs	126.910		0.00
6	IPPs	1454.826	364.906	250.82
7	Non-conventional(State)	226.001	87.300	386.28
	TOTAL	9036.351	2751.039	304.44

TRADING+IEX+Banking Power+OA+	222.882
Net Purchase	8813.470

FIGURES ARE PROVISIONAL & SUBJECTED TO CHANGE.

NOTE: Total Cost of TTPS includes cost against year end adjustment as reported by GRIDCO Ltd.

CAPACITY ADDITION OF GRID SUB-STATIONS

SI. NO.	NAME OF THE SUB-STATION	CAPACITY AS ON 30.06.22 IN MVA	PROGRESSIVE IN MVA	CAPACITY ADDITION (MVA)	DATE	REMARKS
1	Birmaharajpur	-	1 x 20	20	26.04.22	132/33kV 20MVA Power Transformer No-I charged at 20:32 hrs.
2	Thuapalli	-	2 x 20	40	12.04.22	132/33kV 20MVA Power Transformer No-I & II loaded at 18:15 hrs.
3	Telkoi	-	2 x 20	40	18.04.22	132/33kV 20MVA Power Transformer No-I & II loaded at 14:00 hrs.
4	G.Udayagiri	-	1 x 20	20	25.05.22	132/33kV 20MVA Power Transformer No-I charged at 13:39 hrs.
5	Muniguda	-	1 x 12.5	12.5	11.05.22	132/33kV 20MVA Power Transformer No-I loaded at 13:45 hrs.
6	Dhenkikote	-	1 x 20	20	03.06.22	132/33kV 20MVA Power Transformer No-I charged at 20:16 hrs and loaded on 05.06.22 at 14:17hrs.
7	Godisahi	-	1 x 20	20	21.06.22	220/33kV 63MVA Power Transformer No-I & II charged at 13:03 and 13:08 hrs respectively.
8	Pattamundai	2 x 20	3 x 20	20	30.06.22	132/33kV 20MVA Power Transformer No-III charged at 14:20 hrs.

MAJOR FAILURES OF TRANSFORMERS & EQUIPMENTS IN GRID SUB-STATIONS

CIRCLE	DATE	GRID S/S	TRANSFORMER	BREAKER	CT & PT	LIGHTNING ARRESTER	MISC. (Isolator/ Wave Trap etc.)	REMARKS
Berhampur	28.05.22	Chatrapur	-	-	-	-	Tower collapsed at Loc no-15 of N-pur-Chptr Line	-
Bhubaneswar	19.06.22	Chandaka	-	-	Bph LA of 132kV Chandaka-BBSR Ckt- 1 busrt.	-	-	-
Burla	02.04.22	Chhend	-	-	132KV SIDE R PHASE CT OF TRANSFORMER-1 GOT BURST AT CHHEND END	-	-	-
	31.05.22	Jharsuguda	-	-	-	B-phase CT of 132 kV Jharsuguda- Budhipadar ckt-2 Brust.	-	-
	02.06.22	Lapanga	-	-	-	LA of 132kV Lapanga - Aryan fdr burst and jumper broken at Aryan end.	-	-
Bolangir	01.06.22	Saintala	-	-	132kV TRF I CT burst at Saintala.	-	-	-
	11.06.22	Saintala	-	-	132kV TRF I CT burst at Saintala.	-	-	-
Chainpal	28.05.22	Nuapatna	-	-	Y phase CT of 132KV Nuapatna- Khajuriakata-Denkhanal 'T' Line was burst at Nuapatna end	-	-	-
Cuttack	10.06.22	Paradeep	-	-	Y-ph CT of 132kV Paradeep - Tirtol fdr burst at Paradeep end	-	-	-
Balasore	28.04.22	Somanathpur	-	-	-	R-Ph LA of 132KV Balasore-Somanathpur Ckt-I at Somanathpur grid end burst	-	-
Jeypore	-	-	-	-	-	-	-	-