

STATEMENT ON SYSTEM PERFORMANCE

(JULY'22–SEPTEMBER'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	2ND	JULY	744	0.00	0.00
		AUGUST	744	2.50	0.34
		SEPTEMBER	720	0.00	0.00
Total			2208	2.50	0.11

* → 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	<u>*Duration of failure to meet forecasted requirement (HRs.)</u>			Quantum/ Percentage of Load Restriction Imposed
					Date	Time	Total	
1	2	3	4	5		6	7	8
2022-23	2ND	JULY	720					
		AUGUST	744	Outage of #1 of Darlipalli	02.08.22	20:00-23:00	00:30	(Max. 330MW)
				Outage of #1 of Darlipalli	03.08.22	19:00-23:00	00:30	(Max. 350MW)
				Outage of #1 of Darlipalli	04.08.22	19:00-23:00	00:30	(Max. 250MW)
				Outage of #1 of Darlipalli	26.08.22	19:00-21:00	00:30	(Max. 350MW)
				Outage of OPGC Unit #2 & #3	30.08.22	19:00-22:00	00:30	(Max. 215MW)
		SEPTEMBER	720	-	-	-	-	-

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

*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	<u>Duration of failure to meet forecasted requirement (HRs.)</u>				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	2ND	JULY	744	-	-	-	-	-	Load restriction imposed in the state on rotation basis to curtail the demand.
			AUGUST	744	02.08.22	20:00-23:00		00:30	(Max. 240MW)	
					03.08.22	19:00-23:00		00:30	(Max. 252MW)	
					04.08.22	19:00-23:00		00:30	(Max. 220MW)	
					26.08.22	19:00-21:00		00:30	(Max. 260MW)	
					30.08.22	19:00-22:00		00:30	(Max. 190MW)	
			SEPTEMBER	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	2ND	JULY	744	0.00	0.00
		AUGUST	744	0.00	0.00
		SEPTEMBER	720	0.00	0.00
Total			2208	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	2ND	JULY	744	-	-
		AUGUST	744	-	-
		SEPTEMBER	720	-	-
Total			2208	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		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
1	Marshaghai	01.07.22	10:30	10:33	00:03	132kV Marshaghai - Kendrapara RTSS fdr	DP operated	Kendrapara RTSS	00:03	-	-	9.1E-05	-	-
2	Chatrapur	01.07.22	11:37	15:33	03:56	132kV Balugaon - Chatrapur fdr	P/S failed at Chatrapur and Narendrapur end with following indications: Loc-3.37km, IR-120.6A, IY-1.925kA, IB-1.943kA	Ganjam, Grasim Chhatrapur, IRE Rambha Tr. Solari TR.	00:10	-	-	0.099227	-	-
			11:37	11:46	00:09	132kV Balugaon - Solari TR. fdr	P/S failed at Chatrapur and Narendrapur endon O/C with following indications: Loc-3.37km, IR-120.6A, IY-		00:09					
			11:37	15:22	03:45	132kV Narendrapur - Chatrapur ckt-I								
			11:37	15:22	03:45	132kV Narendrapur - Chatrapur ckt-II								
			11:38	11:48	00:10	132kV Chatrapur - Ganjam fdr	Tripped at chatrapur grid end.No CB Tripped at this end.							
3	Joda	01.07.22	12:23	13:32	01:09	220kV Joda - TTPS ckt-I	Tripped At both end . At Joda end : DP main-1 relay:Zone-I, Dist=57.77km,Fault current Ia=1.622kA, Ib=188.7A, Ic=1.632kA, VAN=53.45KV, VBN=132.2KV, VCN=60.02KV DP main-2 relay:FL=CAT, Zone-I, Dist=66.11km, Fault current : A=1632A, B=165A, C=1569A, N=1101A, G=1103A At TTPS end:- DP relay,zone-I,Dist=4.764km, Fault current Ia=15.47kA,Ib=202.3A,Ic=66.86A	Telkoi	01:09	-	-	0.00219	-	-
			12:23	13:29	01:06	220kV Joda - TTPS ckt-II	Tripped At both end . At Joda end :- DP main-1 relay:Zone-I, Dist=56.13km,Fault current Ia=1.530kA, Ib=195.8A, Ic=1.539kA, VAN=59.34KV, VBN=132.9KV, VCN=55.98KV DP main-2 relay: FL=CAT, Zone-I, Dist=68.16km, Fault current : A=1534A, B=178A, C=1525A, N=1112A, G=1112A At TTPS end:- DP relay, zone-I, Dist=93.91km, Fault current Ia=2.328kA, Ib=164.3A, Ic=2.603kA							
			12:23	13:32	01:09	220kV Joda - Telkoi - TTPS ckt-I	Source failure							
			13:32	14:15	00:43	132kV Kuchei(Baripada PG) - Jaleswar fdr	At Jaleswar end:- Z-1, Dist-56.91km, If=821.81A At Kuchei end:- Z-1, Dist-12.37km, If=4.405kA	-	-	-	-	-	-	-
5	Mania	01.07.22	17:29	17:29	00:00	132kV OCL - Mania fdr	NIL	-	0	-	-	-	-	-

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
6	Marshaghai	01.07.22	18:02	02.07.22 11:57:00	17:55	132kV Marshaghai - Kendrapara RTSS fdr	DP operated	Kendrapara RTSS	17:55	-	-	0.032625	-	-
7	Paradeep	01.07.22	21:55	22:00	00:05	132kV Olaver -Chandbali ckt-I & II	Source Fail	Chandbali Paradeep, Tirtol, Marshaghai, Kendrapara Jagatsinghpur & Gorekhnath TSS	00:07 00:05 00:01			0.00789		
			22:02	22:04	00:02									
			21:55	22:06	00:11	132kV Pattamundai - Rajnagar ckt-I	132kV P/S failed from source							
			21:55	22:06	00:11	132kV Pattamundai - Rajnagar ckt-II	132kV P/S failed from source							
			21:56	02.07.22 16:17:00	18:21	220kV New Duburi - Paradeep ckt-II	At New Duburi end:- GR-A/B trip relay optd. Main-1: General trip, Y ph trip, B ph trip, Zone-2, 1ST EVENT: L3E, Dist. trip 1PL3 ON, IL3=1.61kA, Dist=105.4km, A/R Close command on. 2nd event: L23, Dist trip 3P ON, IL1=0.04kA, IL2=2.3kA, IL3=2.29kA, Dist=99.2km, Fault loop L2L3, Main-2:- General trip, Y ph trip, B ph trip, Zone-2 trip, 1ST EVENT: L3E, Dist. trip 1PL3 ON, IL3=1.61kA, Dist=104.0km, A/R Close command on, 2ND EVENT: L23, Dist trip 3P ON, IL1=0.04kA, IL2=2.3kA, IL3=2.29kA, Dist=99.2km, Fault loop L2L3, B/U relay:- Y ph pick up, B-ph pick up in back up relay. At Paradeep end:- B ph TO G, Dist=4.0km [B-ph suspension insulator punctured at loc.409]							
			21:56	22:02	00:06	132kV Tirtol - Jagasinghpur fdr	Incoming power supply of Tirtol Grid failed from paradeep.							
			21:56	22:01	00:05	132kV Paradeep - Marshaghai fdr	Incoming fail							
			21:56	22:01	00:05	220kV New Duburi - Paradeep ckt-I	O/C, Y -B PH, E/F & M/R							
			21:56	22:00	00:04	132kV Tirtol - Paradeep fdr	Source failure							
8	Tarkera	01.07.22	22:04	22:21	00:17	100 MVA Auto-IV	220 KV SIDE :- DIFFERENTIAL RELAY PICK-UP, MT-86A 132KV SIDE :- MT 86A & 86B	-	-	-	-	-	-	-
9	Paradeep	01.07.22	22:21	22:44	00:23	220kV Paradeep - IOCL fdr	O/C, E/F, Z1, B PH, D-54.49M	IOCL	00:23	-	-	0.000171	-	-
10	Paradeep	01.07.22	23:15	23:21	00:06	132kV Olaver -Chandbali ckt-I & II	Source Fail	Chandbali	00:06			0.011626		

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
			23:15	23:21	00:06	220kV New Duburi - Paradeep ckt-I	At New Duburi end:- Main-1 DP Optd, Main-2 DP Optd, GR A/B trip relay operated, Main-1: General trip, R ph, Y-ph, B-ph trip, Zone-1B trip, Dist pick up L123 ON, pick up time= 44ms, trip time= 0ms, Dist=124.1km, Dist trip 3P ON, IL1=2.31kA, IL2=2.5kA, IL3=2.52kA, Main-2:- General trip, R-ph, Y-ph, B-ph trip, Zone-1B trip, Dist pick up L123 ON, pick up time= 43ms, trip time= 0ms, Dist-124.3km, Dist trip 3P ON, IL1=2.28kA, IL2=2.5kA, IL3=2.35kA, B/U Relay:- R-ph, Y-ph, B-ph pick up At Paradeep end:- No tripping	Paradeep, PPL, PPT, ESSAR, IFFCO, IOCL, Tirtol, Marshaghai, Kendrapara Tr. Kendrapara Jagatsinghpur & Gorekhnath TSS		-	-		-	-
			23:15	23:21	00:06	132kV Tirtol - Jagasinghpur fdr	Incoming power supply of Tirtol Grid failed from paradeep.							
			23:15	23:22	00:07	132kV Paradeep - Marshaghai fdr	Incoming fail							
			23:15	23:21	00:06	132kV Tirtol - Paradeep fdr	Source failure							
			23:15	23:22	00:07	132kV Pattamundai - Rajnagar ckt-I	132kV P/S failed from source							
			23:15	23:22	00:07	132kV Pattamundai - Rajnagar ckt-II	132kV P/S failed from source							
11	Bolangir	02.07.22	03:00	07:37	04:37	132kV Incoming -I	Supply failed from source	Bolangir, Acme, Saintala, Khariar, Tusura Deogaon Tr. }	04:56 00:29	-	-	0.022903	-	-
			03:00	03:20	00:20	132kV Kesinga - Saintala fdr	O/C							
			03:11	08:07	04:56	Incoming supply fail (GSS,Bolangir Old)	Source failure							
			03:11	03:40	00:29	Incoming supply fail(GSS,Kesinga)	Source failure							
12	Thuapali	02.07.22	05:14	06:24	01:10	132kV Katapali - Thuapali fdr	DP relay operated, Rph Trip, Bph Trip, Zone-1, Fault Current-IL1=1.25kA, IL3=1.41kA, Distance=20.7km [Heavy winds and Thunderstorm]	-	-	-	-	-	-	-
13	Tusura	02.07.22	06:26	06:30	00:04	Incoming supply fail(GSS,Bolangir Old)	Source failure	Acme, Saintala, Khariar, Tusura Deogaon Tr.	00:04	-	-	0.003157	-	-
			06:27	06:30	00:03	132kV Kesinga - Saintala fdr	O/C							
14	Kuchinda	02.07.22	08:40	09:02	00:22	132kV Kuchinda - SMC fdr	Tripped phase R-N, Ir=191.5A, Iy=113A, Ib=180.2A, Van=4.966kV, Ibn=90.3kV, Icn=88kV, Fault loc=3.427ohm	Kuchinda	00:22	-	-	0.004667	-	-

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
15	Tarkera	02.07.22	10:04	20:21	10:17	100 MVA Auto-IV	220 KV SIDE :- DIFFERENTIAL PROTECTION OPERATED, DIFFERENTIAL AUXILARY RELAY LBB PROTECTION 87X OPERATED, DIFF BCK 2HM ON, HARM L3 ON, DIFF>L3 ON, MT (86 A) OPERATED 132 KV SIDE :- MT (86 A,86B)OPERATED	-	-	-	-	-	-	-
16	Polasponga	02.07.22	11:09	11:11	00:02	132kV Railway Feeder	Back up relay- O/C (R-PH) Ia=240.0A, Ib=149.1A, Ic=101.9A, Inm=6.665A, Ind=5.945A	Polasponga Tr.	00:02	-	-	0.0002059	-	-
17	Rourkela	02.07.22	12:44	12:48	00:04	132kV Rourkela - BK Steel fdr	At Rourkela end:- DP & M/T relay indication, D.P relay details:- loc=25.74km, Zone-1, event =AGT, Fault current details:- IA=3046A, IB=52A, IC=90A, IN=0A, IG=2906 A	Bhalulata RTSS, BK Steel	00:04	-	-	0.000581	-	-
18	Sambalpur	02.07.22	14:14	14:35	00:21	132kV Sambalpur - Maneswar fdr	At Sambalpur end:- DP, Z1, R-phase, Dist=8.807km, Ia=3536A, Ib=166.6A, Ic=204.4A	-	-	-	-	-	-	-
19	Marshaghai	02.07.22	15:20	16:11	00:51	132kV Marshaghai - Kendrapara RTSS fdr	O/C, E/F Trip	Kendrapara RTSS	00:51	-	-	0.001548	-	-
20	BC Mohanty switching station	02.07.22	19:06	19:28	00:22	132kV BC Mohanty - Bamnipal fdr	E/F, DP, Zone-1, R-E, Dist-6.4km, Ia=4.2kA, Ib=4.3kA, Ic=0.56kA	-	-	-	-	-	-	-
21	Tarkera	02.07.22	20:21	03.07.22 17:27:00	21:06	100 MVA Auto-IV	220 KV SIDE :- DIFFERENTIAL PROTECTION OPERATED, DIFFERENTIAL AUXILARY RELAY LBB PROTECTION 87X OPERATED, DIFF BCK 2HM ON, HARM L3 ON, DIFF>L3 ON, MT (86 A) OPERATED 132 KV SIDE :- MT (86 A,86B)OPERATED	-	-	-	-	-	-	-
22	Budhipadar	03.07.22	01:19	03:15	01:56	132kV Brajragnagar- Kechhobahal fdr	FFS [Heavy lightening and raining]	Kechhobahal Tr. Brajragnagar	01:56 01:41	-	-	0.02289	-	-
			01:19	03:00	01:41	132kV Budhipadar - Brajragnagar feeder	tripped on both ends along with all the power transformer At Budhipadar end:- D/P optd.(MiCOM)- Started ph C-N, tripped ph A B C, Zone 1 trip, FD=4.532km, IC=11.33kA, M/T optd..							
23	Budhipadar	03.07.22	01:39	03:37	01:58	220kV Budhipadar- IBTPS ckt-III	At Budhipadar end:- D/P2 optd.-Zone 2, FD=30.1km(118.8%), Fault loop=L1-E, IL1=3.15kA, M/T optd. At IBTPS end:- D/P optd. Zone-I- IL1=13.00kA, R-E							

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
			01:39	03:19	01:40	220kV Budhipadar- IBTPS ckt-II	At IBTPS end:- Zone 4, Rph, IL1=4.00kA [earth wire anapped at loc.no.89 to 93.]	-	-	-	-	-	-	-
			01:39	18:26	16:47	220kV Budhipadar- IBTPS ckt-IV	At Budhipadar end:- D/P1 optd.- TRZ2, ZM2 ZM3 PSS PST, D/P2 optd.- Dist Gen trip, L2 trip, L3 trip, Zone 2, FD=23.4km(93.4%), Fault loop=L2-L3, IL2=8.78kA, IL3=8.78kA, M/T optd.. At IBTPS end:- D/P optd. Zone-4, Rph-E, IL1=4.00kA [Bph Line isolator drop snapped at Budhipadar end.]							
24	Chhend	03.07.22	05:06	05:08	00:02	132kV Chhend - Nuagaon Rly.Traction fdr.	tripped on Distance Protection. IL1-4688A, IL2-4938A, Ig-2652A, 3I2-6707, Zone-1, Location-18.11km.	Nuagaon Tr.	00:02	-	-	0.000129	-	-
25	Chandaka	03.07.22	05:17	06:05	00:48	132kV Chandaka - BPPL fdr	R-ph to E fault, Dist-1.8km, If=5.8kA	-	-	-	-	-	-	-
26	Kantabanji	03.07.22	09:45	09:45	00:00	132kV Kantabanji - Railway fdr	Over Current	Kantabanji Tr.	-	-	-	-	-	-
27	Karanjia	03.07.22	23:25	23:45	00:20	132kV Karanjia - Palaspanga fdr	At Karanjia end:- L2-E, Dist-59km, Zone-1, Ia=0.07kA, Ib= 0.80kA, Ic= 0.82kA	-	-	-	-	-	-	-
28	Bolangir	04.07.22	03:10	07:58	04:48	132kV Kesinga - Bolangir fdr	Supply failed from sourse	-	-	-	-	-	-	-
29	Chatrapur	04.07.22	12:15	12:28	00:13	132kV AskA New - Chatrapur sc (idle charged)	tripped on E/F on R-ph, Z1, D=36.29km, IR=2.07kA	-	-	-	-	-	-	-
30	Atri	04.07.22	12:39	16:01	03:22	220kV Atri - Narendrapur ckt-I	Y-B , If=4.9kA	-	-	-	-	-	-	-
31	Kendrapara	04.07.22	19:37	05.07.22 16:32	20:55	132kV Kendrapara-Paradeep ckt-II	At Kendrapada end:- TRIPPED ON BACK UP O/C WITH M/R. Ir=355.454A, ly=2146.145A, Ib=2146.108A. At Paradeep end:- TRIPPED ON O/C & DP RELAY. ZONE-1, DISTANCE=16.5KM, Y-B-PH, Ir=343.8A, ly=3.859 KA, Ib=2.821KA	Kendrapara Olaver,Chandbali, Rajnagar,Salipur	00:13 00:21			0.044745		
			19:37	22:07	02:30	132kV Kendrapara - Marshaghai ckt-I	At Kendrapada end:- No tripping At Marshaghai end:- TRIPPED ON DP RELAY, DISTANCE=31.6KM, R-Y-B-PH, Ir=0.48KA,ly=0.48KA,Ib=0.49KA							
			19:37	19:57	00:20	132kV Kendrapara - Salipur fdr	Non(Conductor snapping between Loc.no.262-263 of 132kV paradeep-Kendrapara Ckt-II)							
			19:37	19:58	00:21	132kV Pattamundai - Rajnagar ckt-I	132kV P/S failed from source							
			19:37	19:58	00:21	132kV Pattamundai - Rajnagar ckt-II	132kV P/S failed from source							
			19:37	19:58	00:21	132kV Olaver -Chandbali ckt-I & II	Source Fail							
			20:44	20:50	00:06	132kV Olaver -Chandbali ckt-I & II	Source Fail	Chandbali	00:06			1.225E-07		

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
			20:44	20:50	00:06	132kV Pattamundai - Rajnagar ckt-I	132kV P/S failed from source	Rajnagar		-	-		-	-
			20:44	20:50	00:06	132kV Pattamundai - Rajnagar ckt-II	132kV P/S failed from source							
33	Budhipadar	04.07.22	21:41	22:31	00:50	132kV Budhipadar- Kalunga fdr	At Budhipadar end :-D/P optd.-Zone 1, FD= 75.651km(74.90%), Fault loop= L1-E, IL1=1279.68A IN=1100.79A, M/T optd.. At Kalunga end :- Rph, Zone I, FD= 14.61km, IL1=3.553kA	-	-	-	-	-	-	-
34	Angul	04.07.22	13:21	13:42	00:21	132kV Angul-MCL ckt-I	At Angul end :- tripped on DP Relay. Fault loop-L1N, Fault current =1.5kA, Distance= -1.0km [Heavy rain and severe lighting]	MCL	00:21			0.008161		
			13:21	13:42	00:21	132kV Angul-MCL ckt-II	At Angul end :- tripped on DP Relay, Fault loop-L1N, Fault current -5.26kA, Distance-4.86km			-	-		-	-
			13:28	13:41	00:13	132kV Chainpal - Angul fdr	At Angul end :- tripped on DP Relay, Fault loop-L1N, Fault current -3.96kA, Distance-1.57km [Heavy rain and severe lighting]							
35	Mania	05.07.22	07:08	07:12	00:04	132kV OCL - Mania feeder	R-ph to E fault	OCL Mania	00:04			0.000418		
			07:08	14:09	07:01	132kV OCL - Salipur Ckt-1	Non(Tripped on E/F at ICCL End)							
			07:08	07:14	00:06	132kV ICCL - Salipur Ckt-2				-	-		-	-
			07:27	07:31	00:04	132kV ICCL - Salipur Ckt-2								
36	Kamakhyanagar	05.07.22	14:14	14:27	00:13	132kV Kamakhyanagar - OPCL fdr	DP operated	-	-	-	-	-	-	-
37	Chandbali	05.07.22	16:39	16:41	00:02	132kV Olaver -Chandbali ckt-I & II	Source Fail	Olavar,Rajnagar, Chandbali	00:02			4.08E-08		
						132kV Pattamundai - Rajnagar ckt-I				-	-		-	-
						132kV Pattamundai - Rajnagar ckt-II								
38	Atri	06.07.22	12:22	12:35	00:13	132kV Chandpur - Atri fdr	At Chandpur end :- no breaker optd. & no relay indication comes. At Atri end :- Main-1 DP optd., Y-B-G fault, Z-2, Dist-37.10km, Ir=64.47A, ly=3.210kA, IB=3.058kA [touches of tree branches.]	Chandpur	00:13			3.26E-08		
			12:22	13:28	01:06	132kV Khurda - Atri ckt-II	Master relay trip & DP relay indication on Facia							
39	Budhipadar	06.07.22	15:29	15:55	00:26	132kV Budhipadar- Rajgangpur feeder	At Budhipadar end :- D/P optd.-Zone 2, FD= 82.13km(100.17%), Fault loop= L1-L2, IL1=1775.18A,IL2=1700.96A, M/T optd. At Rajgangpur end :-ABG optd.,Zone I, FD= 9.8km, IL1=4.5kA,IL2=4.4kA [Heavy Lightening and rain at Rajgangpur end]							

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
			15:55	18:32	02:37		At Budhipadar end:- D/P optd.-Zone 2, FD= 67.78km(82.68%), Fault loop= L1-N, IL1=1450.97A, ILn=1173.1A, M/T optd.. At Rajgangpur end:- AG optd., Zone I, FD= 10.38km, IL1=3.7kA, ILn=4.0kA	-	-	-	-	-	-	-
			15:29	16:09	00:40	132kV Budhipadar- Kalunga feeder	At Budhipadar end:- D/P optd.-Zone 2, FD= 86.91km(86.06%), Fault loop= L1-L2, IL1=1874.49A, IL2=1652.77A, IL3=2571.37A, M/T optd.. At Kalunga end:- Zone I, FD= 34.77km, IL1=2.33kA, IL2=2.09kA, IL3=3.56kA							
40	Joda	06.07.22	17:13	17:25	00:12	132kV Barbil-Joda fdr	At Barbil End:- E/F (B/U), Fault Current:- Ia-526.4A, Ib-939.6A, Ic-292.9A, In-1.093kA At Joda end:- E/F (B/U), Relay-D/P, Zone-1, F.loop- CAT, LOC- 8.09 km, Fault Current:- Ia-544.8A, Ib-950A, Ic-292.9A	Barbil, Bolani, ARYA Steel, BRPL, kArakhendra switching S/S, Nalda, BeekAy steel	00:12			0.007179		
			17:13	17:26	00:13	132kV Barbil-Bolani fdr	At Barbil end:- E/F (B/U), Fault Current:- Ia-526.4A, Ib-939.6A, Ic-292.9A, In- 1.093kA At Joda end:- E/F (B/U), Relay-D/P, Zone-1, F.loop- CAT, LOC- 8.09km, Fault Cuurent:- Ia-544.8A, Ib-950A, Ic-292.9A			-	-		-	-
			17:14	17:31	00:17	132kV kArakhendra - Arya fdr	132kV Incoming supply failed for Arya side due to E/F	kArakhendra	00:17	-	-	5.58E-05	-	-

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
41	New Duburi	06.07.22	18:44	07.07.22 11:55:00	18:11	220kV New Duburi - Maithan fdr	At New Duburi end:- Main-1 DP optd., Main-2 DP optd., A/R Successful. Main-1:- Any trip, B ph pick up, E/F, Zone-1, Dist=3.6km, IL3=14.53kA, Main-2:- Any trip, B ph pick up, E/F, Zone-1, Dist=3.6km, IL3=14.54kA At Paradeep end:- B ph O/C & E/F trip, IL3=1.5kA (As reported by Maithan) [220kV Incomer CT to Bus bar Jumper Disc Insulator Ruptured at maithan end.]	-	-	-	-	-	-	-
42	Dhenkanal	06.07.22	19:59	21:11	01:12	132kV Dhenkanal - Meramundali fdr	At Dhenkanal end:- DP Realy, Fault loop Y-N, Z-1, Dist=24.71 km, Iy=1.96kA At Meramundali end:- DP Realy -:Fault loop Y-N, Dist=15.013km, Iy=5.6kA	-	-	-	-	-	-	-
43	Argul	07.07.22	13:42	17:09	03:27	132 kV Atri- Argul ckt-1	D.P relay optd. (Transient fault), B-E, If=1.87kA, Dist-3.4km	Argul	00:11	-	-	0.0023026	-	-
			13:42	13:53	00:11	132 kV Atri- Argul ckt-2	D.P relay optd. (Transient fault)							
44	Mendhasal	07.07.22	14:02	14:24	00:22	220kV Mendhasal - Chandaka-B fdr	Rph=8.28KA, Distance=6.8KM, D%=29.7	-	-	-	-	-	-	-
45	Samangara	07.07.22	14:13	14:22	00:09	132kV Samangara - Nimapara feeder	Source Failure	Nimapara, Konark Samangara, } Ranasinghpur	00:20 00:09	-	-	0.025752	-	-
			14:13	14:33	00:20	132kV Chandaka - Nimapara feeder	No tripping at Nimapara end, Dir. IDMT O/C Protection operated at Chandaka end.							
			14:13	14:22	00:42	132kV Chandaka - Ranasinghpur feeder	At Ranasinghpur end:- DP Relay operated, Zone-1, Distance-17.57km, Ia-445.9A, Ib-243.3A, Ic-423.3A							
			14:14	14:22	00:08	132kV Samangara - Satasankha ckt-I & II	Source Fail							
46	Chandikhol	07.07.22	15:43	17:38	01:55	132kV Jajapur Road - Chandikhol ckt-I	At Chandikhol end:- No indication At Jajapur Road end:- DP, R-ph, Dist-6.383km, Fault Current= 5.5kA	-	-	-	-	-	-	-
47	Nuapada	07.07.22	20:31	21:13	00:42	132kV Khariar - Nuapada fdr	DP operated	-	-	-	-	-	-	-
48	Meramundali	08.07.22	00:01	13:22	13:21	220kV Meramundali - Kaniha ckt-II	Y-ph to E, Dist-31.55km, If=4.5kA	-	-	-	-	-	-	-
49	Rengali	08.07.22	00:40	00:54	00:14	220kV Rengali - TTPS fdr	R-ph to E fault	-	-	-	-	-	-	-

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
50	Rengali	08.07.22	00:40	09.07.22 16:33:00	39:53	220kV Rengali - Kaniha fdr	Y-ph to E, Dist-25.44km [Y-PH Conductor snapped b/w loc no 117-118]	-	-	-	-	-	-	-
51	Kendrapara	08.07.22	10:50	16:38	05:48	132kV Kendrapara - Salipur S/C line	At Kendrapada end:- TRIPPED ON DP RELAY.ZONE-1,DISTANCE=7.8KM,Y-B-PH,Ir=6.6A,Iy=Ib=2.5KA At Salipur end:- No indication	-	-	-	-	-	-	-
52	Budhipadar	08.07.22	17:57	20:10	02:13	220kV Budhipadar - Korba ckt-I	At Budhipadar end:- Y-B ph to E, Iy=8.17kA, Ib=5.35kA, Dist-30.4km	-	-	-	-	-	-	-
53	Budhipadar	08.07.22	17:57	09.07.22 02:17:00	08:20	220kV Budhipadar - Raigarh	At Budhipadar end:- Y-B ph to E, Iy=8.17kA, Ib=5.35kA, Dist-30.4km	-	-	-	-	-	-	-
54	Mania	08.07.22	21:47	21:50	00:03	132kV OCL - Mania fdr	NIL	-	0	-	-	-	-	-
55	Duburi	09.07.22	11:42	12:12	00:30	132kV Duburi - Jajpur Road ckt-I	DP optd.	-	-	-	-	-	-	-
56	Lapanga	09.07.22	14:31	18:47	04:16	132kV Lapanga - RTSS fdr	DP, Zone-1, B-E, Dist=0.567km	Rengali Tr	04:16	-	-	0.031126	-	-
57	Laxmipur	09.07.22	14:33	14:47	00:14	220kV Laxmipur - Aditya ckt-I	B-e/f,Ir=2.35kA,Z-3,loc-38.9	-	-	-	-	-	-	-
			15:14	16:57	01:43		B-e/f,Ir=2.35kA,Z-3,loc-38.9	-	-	-	-	-	-	-
58	Budhipadar	09.07.22	14:54	15:35	00:41	132kV Budhipadar -MCL ckt-I	Master relay trip	-	-	-	-	-	-	-
59	Joda	09.07.22	14:55	15:04	00:09	220kV Joda - Ramchandrapur fdr	Tripped At RCPUR end:- Breaker tripped only & relay not operated.	-	-	-	-	-	-	-
60	Mania	09.07.22	16:24	16:25	00:01	132kV OCL - Mania fdr	Tripped	-	0	-	-	-	-	-
61	Samangara	09.07.22	19:45	10.07.22 01:45:00	06:00	132kV Samangara - RTSS Malatipatapur fdr	DP, Zone-1, Dist.=3.416km, IL1=2.183A, IL3=2.264kA	Samangara RTSS Malatipatapur	00:08 06:00	-	-	0.014142	-	-
			19:45	19:53	00:08	132kV Samangara - Nimapara fdr	At Nimapara end:- SOTF, Zone-2, Dist=33.84km, IL1=573.7A, IL2=585.2A, IL3=1.701kA	-	-	-	-	-	-	-
62	Nimapara	09.07.22	20:15	20:16	00:01	132kV Nimapara - Samangara fdr	Z3 ,D=33.91km, Ia=586.9A, Ib=617.6A , Ic=1.675kA	-	-	-	-	-	-	-
			20:16	19:54	00:22	132kV Samangara - Satasankha ckt-I & II	Source Fail	-	-	-	-	-	-	-
63	Salipur	09.07.22	21:18	13:49 10.07.22	16:31	132kV OCL - Salipur Ckt-1	DP Relay operated	OCL	00:20	-	-	0.002091	-	-
			21:18	21:22	00:04	132kV ICCL - Salipur Ckt-2								
64	Chhend	11.07.22	11:02	11:03	00:01	132kV Chhend - Nuagaon Rly.Traction feeder.	tripped on O/C, IL1-0.22kA, IL2-0.22kA & 86B trip relay optd..	Nuagaon RTSS	00:01	-	-	6.45E-05	-	-
65	Indravati	11.07.22	13:02	18:11	05:09	ICT-II	Over flux	-	-	-	-	-	-	-
66	Narendrapur	11.07.22	13:24	14:38	01:14	220kV Narendrapur - Therubali ckt-II	At Narendrapur end:- Zone-1, B-ph to E, Dist-130.16km, If=887A	-	-	-	-	-	-	-
67	Padampur	11.07.22	16:12	16:32	00:20	132kV Padampur - Nuapada feeder	ph-BN, Ia=124.7A, Ib=2.053kA, Ic=36.99A, Zone-1, Distance=2.95km	Padampur, Nuapada	00:20	-	-	0.01091	-	-
						132KV Patnagarh - Padampur feeder	ph-BN, Ia=581.1A, Ib=1.662kA, Ic=356.3A							

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	1	2	3	4	5	6	7	8	9	10	11	12	13	14
68	Digapahandi	12.07.22	03:22	03:26	00:04	132kV Digapahandi - Mohana SC feeder	At Digapahandi end:- B/U relay optd.(Siemens Siprotic 7SJ62) Indication 1,3,5, Fault current= L1-0.03kA, L2-0.11kA, L3-0.03kA,	Mohana	00:04	-	-	0.000326	-	-
69	Keonjhar	12.07.22	09:25	10:28	01:03	220kV Keonjhar - Keonjhar PG ckt-I & ckt-II	Power supply failed from PGCIL end.	Keonjhar	01:03	-	-	0.010419	-	-
70	Infocity-II	12.07.22	11:09	11:45	00:36	220kV Infocity-II - Atri fdr	Tripped on Main DP 1-Y Ph to grnd fault, Z-1 Trip Distance-12.2 km, IL2-8.38kA, Directional O/C Y-Ph pick up was recorded.	-	-	-	-	-	-	-
71	Lapanga	12.07.22	20:46	13.07.22 12:09:00	15:23	132kV Lapanga - RTSS fdr	DP, Zone-1, R-ph to E, Dist-7.893km, If=7.5kA [R-PH jumper snapped at loc no 28]	Rengali Tr	15:23	-	-	0.112222	-	-
72	Katapalli	12.07.22	22:48	13.07.22 00:03:00	01:15	220kV Katapalli - Bolangir PG fdr	At Katapalli end:- R-ph to E fault, Zone-1, If=1.758kA, Dist-77.87km	-	-	-	-	-	-	-
73	Bolangir New	12.07.22	22:54	23:15	00:21	220kV Bolangir New - Bargarh New fdr	At Bolangir New end:- R-E, Zone-1, Dist-25.09km, If=1.798kA	-	-	-	-	-	-	-
74	Chatrapur	13.07.22	04:11	04:27	00:16	132kV AskA New - Berhampur sc (idle charged)	tripped on E/F on B-ph, Z1, D=27km, IB=2.537kA	-	-	-	-	-	-	-
75	Konark	13.07.22	11:04	11:17	00:13	132kV Konark - Nimapara feeder	Source failure	Konark	00:13	-	-	0.00135	-	-
76	Bidanasi	13.07.22	18:13	14.07.22 11:40:00	17:27	220kV Bidanasi - Mendhasal Ckt-II	At Bidanasi end:- Zone-1, tripped ph ABC, O/C, Dist=14.64km, Ic=3.864kA At Mendhasala end:- Zone-1, Dist-14.2km, tripped ph ABC, Ic=7.19kA [B ph suspension insulator damaged]	-	-	-	-	-	-	-
77	Infocity-II	13.07.22	18:45	19:30	00:45	220kV Mendhasal -Infocity-II fdr	Tripped on Main DP 1-Y&B Ph distance-140.9 km, main -2 DP Relay-A/R Block with IA-1.009kA, IB-1.160kA & IC-1.055kA with O/C & E/F R-Y-B pick up in zone -3.	-	-	-	-	-	-	-

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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
78	Joda	13.07.22	19:38	14.07.22 16:02:00	20:24	220kV Joda - TTPS ckt-II fdr	Tripped At both end . At Joda end:- DP main-1 relay: Zone-I, SOTF, A/R close Dist=15.63km, Fault current Ia=50.21A, Ib=4.284kA, Ic=50.64A, VAN=126.4KV, VBN=49.33KV, VCN=131.6KV, DP main-2 relay: FL=BGT, Zone-I, Dist=15.11km, Fault current : A=490A, B=4254A, C=171A, N=4840A, G=4838A [at loc no.440,Y-ph jumper snapped] At TTPS end:- DP relay, zone-I, Dist=115km, Fault current Ia=248A, Ib=392.8A, Ic=131.1A, At 20.23Hrs 220kV Joda-TTPS Ckt-II fdr. made test charged at Joda end but immediately tripped with following relay indication. DP main-1 relay: Zone-I, SOTF, A/R close Dist= Not to show on DP relay, Fault current Ia=49.39A, Ib=4.491kA, Ic=47.07A,VAN=128.1KV,VBN=48.62KV,VCN=131.3KV DP main-2 relay:FL=BGT, Zone-I, Dist=14.74km, Fault current : A=51A, B=4472A, C=55A, N=4515A, G=4517A	-	-	-	-	-	-	-
79	Katapalli	13.07.22	21:45	22:14	00:29	220kV Katapalli - Bolangir PG fdr	R-ph to E fault	-	-	-	-	-	-	-
80	Budhipadar	14.07.22	14:53	15:54	01:01	132kV Budhipadar- Kalunga fdr	At Budhipadar end:- D/P (ABB REL670)-R Y & B ph trip Zone-I, Dist trip, FD=75.182km(74.44%), FL=L3-L1, IL3=2.08kA, IL1=1.8kA, M/T optd.. At Kalunga end:- D/P optd. in Zone-I, FD=28.37km, FL=Rph-Bph, IR=3.048kA, IB=3.467kA	-	-	-	-	-	-	-
81	Phulnakhara	14.07.22	20:24	20:30	00:06	132kV Phulnakhara - Pratapsasan ckt-II	At Phulnakhara end:- DP relay operated, zone -2, B-ph & E/F, dist:- 10.6km, Ia.25kA, Ib=0.07kA, Ic=5.23kA At Pratapsasan end:- Dp relay operated, zone-1, B-ph & E/F. Dist:- 8.77km, Ia=242A, Ib=60.47A, Ic=4.462kA	-	-	-	-	-	-	-

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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
82	Sambalpur	14.07.22	23:36	15.07.22 00:16:00	00:40	132kV Sambalpur - Maneswar fdr	At Sambalpur end:- DP, Z1, Y phase E/F, Dist=7.240km, Ia=291.6A, Ib=5324A, Ic=247.8A	-	-	-	-	-	-	-
83	Tarkera	15.07.22	06:57	26.07.22 12:36:00	269:39	220kV Tarkera - Bonai fdr	MT	-	-	-	-	-	-	-
			06:57	26.07.22 12:37:00	269:40	220kV Tarkera - Rengali ckt-II								
84	Budhipadar	15.07.22	11:03	15:00	03:57	132kV Brajragnagar- Kechhobahal feeder	FFS	Kechhobahal RTSS Brajragnager	03:57 03:26	-	-	0.094585	-	-
			11:03	11:33	00:30	132kV Budhipadar- Brajragnagar feeder	At Budhipadar end:- Tripped on D/P(MiCOM p442) optd.- Zone 1[, Yph-E fault loop, Fault Dist.= 3.535km, IL2= 7.721kA, M/T optd. B/U(SIEMENS 7SJ62)- Dir L2 PUJ along with all the power transformers .							
			11:48	14:44	02:56		At Budhipadar end:- DP, Zone-1, Y-ph to E, Dist-3.53km, If=7.721kA							
			11:42	14:33	02:51	132kV Budhipadar- Brajragnagar feeder	At Budhipadar end:- D/P(MiCOM p442) optd.- Zone 1, Rph-E fault loop, Fault Dist.= 3.454km, IL1= 12.32kA, M/T optd.							
85	Mania	15.07.22	15:42	15:51	00:09	132kV OCL - Mania on B/C	Insulators pictured at Loc.no.93(R-Phase) of 132kV OCL-Salipur Ckt-1 R-ph to E fault	OCL	00:10	-	-	0.001046	-	-
			15:44	21:42	05:58	132kV OCL - Salipur Ckt-1 & Ckt-2	DP & Master Trip Relay operated							
86	Polasponga	15.07.22	16:32	16:35	00:03	132kV Railway Feeder	Back up relay- O/C (R-PH) Ia=247.5A, Ib=218.4A, Ic=36.21A, Inm=6.751A, Ind=5.191A	Polasponga Tr.	00:03	-	-	0.000309	-	-
87	Bhadrak	15.07.22	21:30	16.07.22 12:22:00	14:52	160 MVA Auto-II	Tripped on OSR	-	-	-	-	-	-	-
88	Nimapara	16.07.22	05:13	05:35	00:22	132kV Nimapara - Konark fdr	Distance protection operated, D=3.2km, Ia=4kA, Ib=0.14kA, Ic=0.14kA	Konark	00:22	-	-	0.0022846	-	-
89	Polasponga	16.07.22	06:56	06:59	00:03	132kV Railway Feeder	Back up relay- O/C (R-PH) Ia=241.5A, Ib=156.9A, Ic=96.77A, Inm=6.906A, Ind=5.970A	Polasponga Tr.	00:03	-	-	0.0003089	-	-

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
90	Kalunga	16.07.22	13:33	14:58	01:25	132kV Kalunga - Tarkera fdr	At Kalunga end:- DP Relay- Tripped Phase-R-N, Zone-1, Fault location-4.025 Km, Ir-1.692 KA, Iy-130.1 A, Ib-90.44 A, Fault duration- 51.63 ms, Fault resistance- 3.148 ohm. At Tarkera end:- Tripped Phase: R-N, Zone-1, Loc: 5.297 km, Ir=7.937 KA, In-7.911 KA [E/F, Due to thunder and lightning, Charged and stood OK]	-	-	-	-	-	-	-
91	New Duburi	16.07.22	16:43	20:47	04:04	400/220/33 KV ICT-II	ICT-2 Differential protection optd., GR A/B trip relay optd., LV GR-A/B trip relay optd. 400 KV SIDE:- Differential relay (7UT61): Differential L1=0.8I/In0, Restraining L1=3.11I/In0, Differential L2=0.41I/In0, Restraining L2=2.3I/In0, Differential L3=0.39I/In0, Restraining L3=0.92I/In0, 220 KV SIDE:- Inter Trip On Master TRIP Relay	-	-	-	-	-	-	-
92	New Duburi	16.07.22	16:46	16:46	00:00	400kV New Duburi - Meramundali ckt-II	At New Duburi end:- Main-I & Main-II Protection optd., Main-1 DP, General trip, R PH trip, 1-Pole trip, Dist PU L1E, IL1=10kA, Dist=16.5km, A/R close command on, Zone-1 trip, Main-2 DP, General trip, R PH trip, 1-POLE trip, Dist PU L1E, IL1=10kA, Dist=15.8km, A/R close command on, Zone-1 trip, A/R successful At Meramundali end:- Main 1:R-N, IL1=3.69kA, Dist=86.5km, Zone-1B	-	-	-	-	-	-	-
93	Budhipadar	17.07.22	08:01	10:20	02:19	132kV Budhipadar - Sundargarh Ckt-II	At Budhipadar end:- B/U(SIEMENS 7SJ62)- Relay trip, Dir L1 PU, Dir E/F trip, M/T optd., IL1= 0.01kA, IL2= 0.01kA, IL3= 0.01kA [snake fault]	-	-	-	-	-	-	-

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	1	2	3	4	5	6	7	8	9	10	11	12	13	14
94	Joda	17.07.22	10:59	11:40	00:41	220kV Joda - TTPS ckt-II fdr	Tripped At TTPS end & A/R success At Joda end . At Joda end:- DP main-1 relay: Zone-I, A/R close Dist=14.37km, Fault current Ia=3.774kA, Ib=224.8A, Ic=319.5A, VAN=67.46KV, VBN=137.8K V, VCN=132.0KV, DP main-2 relay: A/R success, FL=AGT, Zone-I, Dist=13.29km, Fault current : A=4124A, B=238A, C=357A, N=4696A, G=4698A At TTPS end:- DP relay, zone-I, Dist=124.6km, Fault current Ia=213.1A, Ib=66.5A, Ic=115.5A	-	-	-	-	-	-	-
95	Sonepur	17.07.22	13:34	13:45	00:11	132kV Sonepur - Birmaharajpur fdr	E/F	Birmaharajpur	00:11	-	-	0.000627	-	-
96	JSPL	17.07.22	13:37	14:27	00:50	220kV JSPL - Jamshedpur fdr		-	-	-	-	-	-	-
97	Cuttack	18.07.22	09:07	09:17	00:10	132kV Cuttack - Phulnakhara fdr	At Cuttack end:- tripped on O/C in R-ph and E/F. Ir=3.30kA, Iy=0.00kA, Ib=0.05kA At Phulnakhara end:- DP relay operated, Zone-1, Dist:- 0.28km, AG fault, Ia=7688A, Ib=62A, Ic=77A, IG=7743A	-	-	-	-	-	-	-
98	Chhend	18.07.22	11:57	11:59	00:02	132kV Chhend - Nuagaon Rly.Traction feeder.	tripped on O/C, (R,Y)- ph, IL1-0.22kA, IL2-0.22kA & 86B trip relay optd..	Nuagaon RTSS	00:02	-	-	0.000129	-	-
99	Bolangir New	18.07.22	18:38	19.07.22 12:41:00	18:03	220kV Bolangir New - Kesinga fdr	At Bolangir New end:- R-E, Zone-1, Dist-60.97km, If=2.486kA[R-PH jumper snapped at loc no 262]	-	-	-	-	-	-	-
100	Argul	19.07.22	01:26	09:18	07:52	132 kV Atri- Argul ckt-1	Mal operation of 86A relay at Argul end.	-	-	-	-	-	-	-
101	Mania	19.07.22	03:01	03:02	00:01	132kV OCL - Mania on B/C	R-ph to E fault	OCL.	00:10	-	-	0.001046	-	-
			03:02	03:22	00:20	132kV OCL - Salipur Ckt-1	DP & Backup relay operated							
			03:02	03:12	00:10	132kV ICCL - Salipur Ckt-2	Backup Relay operated							
102	Laxmipur	19.07.22	10:43	12:43	02:00	220kV Laxmipur - Theruvali ckt-I	R-e/f, If=1.79KA, Z-1, loc-24.4	-	-	-	-	-	-	-
103	Chhend	19.07.22	15:25	15:28	00:03	132kV Chhend - Nuagaon Rly.Traction feeder.	tripped on O/C, (R,Y)- ph, IL1-0.24kA, IL2-0.23kA & 86B trip relay optd..	Nuagaon RTSS	00:03	-	-	0.000193	-	-
104	Laxmipur	20.07.22	14:42	14:49	00:07	220kV Laxmipur - Aditya ckt-I	B-e/f, If=1.623KA, Z-1,	-	-	-	-	-	-	-
105	Jayanagar	20.07.22	20:18	20:58	00:40	220kV Jayanagar - Jeypore PG ckt-II	R-ph to E, If=11kA	-	-	-	-	-	-	-
106	Kesinga	21.07.22	07:00	22.07.22 13:47:00	30:47	132kV Kesinga - VAL Lanjigarh fdr	DISTANCE PROTECTION [Falling of tree at loc no 234 resulting insulator damage and cross arm bend]	-	-	-	-	-	-	-

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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
107	Baripada	21.07.22	15:09	15:51	00:42	132kV Baripada - Betnoti fdr	At Baripada end:- E/F & O/C (Y-ph), B/U Relay optd. IL1=IL3=0.00A, IL2=3.49kA. DP:- Zone -1, Distance =4.884km, IL=219.23A, IL2=3504.11A, IL3=112.40A, In=28A, VL1=77.021kV, VL2=26.192kV, VL3=17.19kV, Vn=53.65kV At Betnoti end:- DP Relay details: Started ph-BN, Distance tripped Zone-I, Fault duration-59.96ms, Relay trip time -199.8s, Fault location XY -10.94km, IA=221.5A, IB=1.097kA, IC=122.6A, VAN=77.70kV,VBN=12.43kV, VCN=79.08kV, Fault resistance XY =4.045 ohm [Weather Condition- Rainy & Lightening]	-	-	-	-	-	-	-
108	Khurda	21.07.22	16:35	16:51	00:16	132kV Khurda - Mendhasal fdr	E/F, At mendhasal end:- D.P- II1-E Dist=3km Fault current II1=6.59kA At Khurdha End:- Fault Ia=9.03A, zone-1 Distance=11.035km	-	-	-	-	-	-	-
			16:35	16:45	00:10	100MVA Auto-1 at Mendhasal	(Only LV Side) II1= 0.09KA, IL2=0.11KA, IL3=0.14KA							
109	Budhipadar	21.07.22	16:37	16:48	00:11	132kV Budhipadar- Rajgangpur fdr	At Budhipadar end:- D/P optd.:Distance trip, R, Y , Bph trip , Zone 1 trip, Fault loop- Rph to E , Fault Distance- 22.84km, IL1-3.483kA, Master trip optd. At Rajgangpur end:- D/P optd.:Distance trip , Zone 1 trip, Fault loop- Rph to E , Fault Distance- 56.98km, IL1-1.304kA	-	-	-	-	-	-	-
110	Bangiriposi	21.07.22	22:02	22:22	00:20	132kV Bangiriposi - Rairangpur fdr	DP relay: General trip. Zone-2, Dist.- 38.6km, IL1-1.91kA, IL2-2.11kA & IL3- 2.07kA. B/U Relay:- O/C, IL1-1.9kA, IL2- 2.08kA & IL3-2.05kA	Rairangpur , Karanjia, Dhenkikote	00:20	-	-	-	-	-
111	Jharsuguda	22.07.22	00:13	13:28	13:15	132kV Lapanga - Jharsuguda Fdr	O/C RYB Phase and E/F	-	-	-	-	-	-	-

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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
112	Balasore	22.07.22	07:36	11:06	03:30	220kV Balasore - New Duburi fdr	At Balasore end:- Main-I: C-N, Zone-1, Distance-57.44km, fault current- Ia=156.5A, Ib=83.47 A, Ic=2.207kA, Main-II: Fault Loop-L3-N, Zone-1, Dist-54.354km, Fault current IL1=160.69A, IL2=82.99A, IL3=2247.71A At New Duburi end: Main-I: B-ph trip, Zone-1, Distance-74.6km, fault current- Ib=1.95kA, Main-II: B-ph trip, Zone-1, Dist-78.25km, Fault current Ib=2.039kA	-	-	-	-	-	-	-
113	Palaspanga	22.07.22	13:48	16:47	02:59	132kV Karanjia - Palaspanga fdr	At Karanjia end:- L2-E, Dist-71.3km, Zone-1 At Palaspanga end:- Dist-19.91km, I1=2151A, I2= 2100A, I3= 175A [Insulator failure.]	Palaspanga, ESIL } MSP, Palaspanga Tr. } Karanjia } Dhenkikote }	02:59			0.166627		
			13:59	23.07.22 12:14:00	22:15	132kV Joda - Palaspanga fdr	Tripped At Joda & Palaspanga end At Joda end:- DP Relay -Zone - 01, Dist - 22.528km, Fault current IL1 - 329.21 A, IL2-3553.71A, IL3- 107.71 A .IN- 3107.25 A At Palaspanga end:- DP Relay : BGT, Zone-01, Dist=19.4km, Fault current: Ia -358 A, Ib- 366A, Ic -169A ,IN-0, IG - 822A At 14:31Hrs 132kV Joda- Palaspanga fdr.made test charged but immediate tripped with relay indication are as follows [at loc no.62 Y-Ph suspension insulator punctured]		02:27	-	-			

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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
114	Joda	22.07.22	14:53	15:22	00:29	220kV Joda - Telkoi(TTPS-I) fdr	Tripped At both end but A/R success At Joda end with following relay indication. At Joda end:- DP main-1 relay: Zone-I, Dist=94.80km, Fault current Ia=1.395kA, Ib=91.25A, Ic=126.9A, VAN=95.01KV, VBN=131.0KV, VCN=130.9KV, DP main-2 relay: FL=AGT, Zone-I, Dist=89.18km, Fault current : A=1386A, B=88A, C=125A, N=1491A, G=1490A At Telkoi end:- DP relay, zone-I, Dist=7.415km, Fault current Ia=46.90A, Ib=36.20A, Ic=45.81A	-	-	-	-	-	-	-
115	Budhipadar	22.07.22	15:10	15:23	00:13	220kV Budhipadar- VAL Ckt-I	At Budhipadar end:- D/P 1(SIEMENS 7SA52) optd.: Distance trip, L1, L2, L3 trip, Zone 1 trip, Fault loop- Rph to E, Fault Distance- 9.1km(54.4%), Ia-10.33kA, Ib- 1.75kA, Ic-1.87kA, D/P 2(SIEMENS 7SA52) optd.: Distance trip, L1, L2, L3 trip, Zone 1 trip, Fault loop- Rph to E, Fault Distance- 9.2km(54.4%), Ia-10.29kA, Ib- 1.82kA, Ic-1.82kA, Master trip optd. At VAL end:- D/P operated on Zone 1 trip, Fault loop- Rph to E fault, Fault Distance- 3.4km. AR optd. at VAL end	-	-	-	-	-	-	-
116	Joda	22.07.22	15:25	17:26	02:01	220kV Joda - Telkoi- TTPS-I fdr	Tripped At Joda end but breaker not tripped At Telkoi end with following relay indication. At Joda end:- DP main-1 relay: Zone-I, Dist=98.92km, Fault current Ia=1.402kA, Ib=37.62A, Ic=37.58A, VAN=94.10KV, VBN=130.2KV, VCN=128.2KV DP main-2 relay:FL=AGT, Zone-I, Dist=92.25km, Fault current : A=1374A, B=41A, C=40A, N=1412A, G=1412A At Telkoi end:- DP relay, zone-I, Fault current Ia=1.383kA, Ib=0A, Ic=0A [R-Ph IVT failure at Telkoi end.]	-	-	-	-	-	-	-

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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
117	Budhipadar	22.07.22	16:27	16:59	00:32	220kV Budhipadar- IBTPS Ckt-I	At Budhipadar end:- D/P 1(SIEMENS 7SA52) optd.: Distance trip, L1, trip, Zone 1 trip, Carrier sent, Fault loop- Rph to E, Fault Distance- 14.1km, Ia- 7.88kA, Ib- 0.63kA, Ic-0.35kA, D/P 2(REL 670) optd.: Distance trip, Zone 1 trip, Fault loop- Rph to E, Fault Ia- 7.98kA, Ib- 0.63kA, Ic-0.36kA, In- 7.035kA At IBTPS end:- D/P optd.: Zone 1 trip, Fault loop- Rph to E, Fault Dist- 7.75km, II1- 7.489kA [Lightening and rain at IB end]	-	-	-	-	-	-	-
118	Padampur	22.07.22	17:52	17:55	00:03	132kV Padampur - Nuapada fdr	ph-AN, Ia=784.3A, Ib=28.29A, Ic=132.2A, Zone-2, Distance=81.67km	Nuapada	00:03	-	-	0.0016365	-	-
119	Narendrapur	23.07.22	11:30	11:43	00:13	220kV Therubali - Narendrapur fdr	At Therubali end:- DP, Z-1, Dist- 187.96km, B-E, If=969.85A At Narendrapur end:- DP, Zone-1, Dist- 62.83km, B-E, If=1.241kA	-	-	-	-	-	-	-
120	Bhanjanagar	23.07.22	18:50	19:24	00:34	132kV Bhanjanagar - Aska ckt-I	BGT, Zone-1, Dist-1.49km, Fault Current-7.482kA	-	-	-	-	-	-	-
121	Therubali	23.07.22	18:57	24.07.22 15:52:00	20:55	220kV Therubali - Upper Kolab fdr	Conductor snapped	-	-	-	-	-	-	-
122	Karakhendra	24.07.22	05:45	06:03	00:18	132kV kArakhendra - Arya fdr	132kV I/C Arya fdr Supply fail from Joda side due to Bolani grid breaker trip.	kArakhendra	00:18	-	-	5.91E-05	-	-
123	Chhend	24.07.22	23:31	23:33	00:02	132kV Chhend - Nuagaon Rly.Traction feeder.	tripped on O/C, (R,Y)- ph, IL1-0.23kA, IL2-0.23kA & 86B trip relay optd..	Nuagaon RTSS	00:02	-	-	0.000129	-	-
124	Kantabanji	24.07.22	23:35	23:37	00:02	132kV Kantabanji - Railway fdr	Over Current	Kantabanji RTSS	00:02	-	-	7.16E-05	-	-
125	Rourkela	25.07.22	04:48	06:56	02:08	132kV Rourkela - Tarkera ckt-I	At Tarkera end:- Tripped on B/U Relay, fault details: O/C, B-Ph,[Grid pullout due to Y-ph main bus pipe snapped.] O/C & Spring charge failure	Rourkela, Jaganath Steel	02:08	-	-	0.226425	-	-
			04:48	07:04	02:16	132kV Rourkela-Tarkera ckt-II		ARYA Steel,BRPL	00:22	-	-	-	-	-
			04:48	06:08	01:20	132kV Rourkela-Tarkera ckt-III		-	-	-	-	-	-	-
126	Bolani	25.07.22	05:44	06:02	00:18	132kV Bolani - Barbil fdr	O/C & Spring charge failure	-	-	-	-	-	-	-
127	Chhend	25.07.22	09:52	09:53	00:01	132kV Chhend - Nuagaon Rly.Traction feeder.	tripped on O/C, (R,Y)- ph, IL1-0.22kA, IL2-0.22kA & 86B trip relay optd..	Nuagaon RTSS	00:01	-	-	6.45E-05	-	-
128	Rourkela	25.07.22	13:32	18:46	05:14	132 KV Rourkela-BKSteel	At Rourkela end:- DP & M/T relay indication, DP relay details:- loc=42.16km, Zone-1, event =ABT, Fault current details:- IA=2746A, IB=2818A, IC=49A, IN=0A, IG=211 A [Tree branch had fallen between the loc. No & 107]	Bhalulata RTSS,BKSteel	00:22	-	-	0.003197	-	-
129	Rourkela	25.07.22	13:54	14:11	00:17	132kV Rourkela-Tarkera ckt-I	At Tarkera end:- Tripped on E/F relay	Rourkela	00:17	-	-	0.012653	-	-

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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
			13:54	14:10	00:16	132kV Rourkela-Tarkera ckt-II	indication			-	-		-	-
			13:54	14:08	00:14	132kV Rourkela-Tarkera ckt-III								
130	Chhend	25.07.22	09:52	09:53	00:01	132kV Chhend - Nuagaon Rly.Traction fdr.	tripped on O/C, (R,Y)- ph, IL1-0.22kA, IL2-0.22kA & 86B trip relay optd..	Nuagaon Tr.	00:03			0.000193		
			20:40	20:42	00:02	132kV Chhend - Nuagaon Rly.Traction fdr.	tripped on O/C, (R,Y)- ph, IL1-0.22kA, IL2-0.22kA & 86B trip relay optd..			-	-		-	-
131	Kendrapara	26.07.22	02:12	02:21	00:09	132kV Kendrapara-Paradeep ckt-II	At Kendrapada end:- TRIPPED ON BACK UP O/C WITH M/R. Ir=704.8A, Iy=786.4A, Ib=693.2A. At Paradeep end:- TRIPPED ON DP RELAY.ZONE-1, DISTANCE=4.68KM, B-PH, Ib=5.405KA	-	-	-	-	-	-	-
132	Mania	26.07.22	03:54	03:55	00:01	132kV OCL - Mania fdr	NIL	-	0	-	-	-	-	-
133	Bargarh New	26.07.22	04:20	05:40	01:20	220kV Bargarh New - Katapali feeder	220kV Main Bus-I PT (B-ph) burst	Ghens	01:08			0.02947		
						220kV Bargarh New - New Bolangir feeder								
						160 MVA AUTO-I								
			04:20	15:05	10:45	160 MVA AUTO-II				-	-		-	-
			04:20	05:40	01:20	132kV Bargarh New - Barpali feeder								
						132kV Bargarh New - Bargarh feeder								
						132kV Bargarh New - Ghens ckt-II								
						132kV Bargarh New - Ghens ckt-I								
134	Tentulikhunti	26.07.22	11:25	11:38	00:13	132kV Jayanagar - Tentulikhunti ckt-I	O/C & E/F	-	-	-	-	-	-	-
135	Kuchinda	26.07.22	11:31	15:01	03:30	132kV SMC(incoming) fdr	D/P operated at Lapanga end.(Y-N E/F)	Kuchinda	00:18	-	-	0.003819	-	-
136	Kantabanji	26.07.22	14:05	14:07	00:02	132kV Kantabanji - Railway feeder	Over Current	Kantabanji RTSS	00:02	-	-	7.16E-05	-	-
137	Joda	26.07.22	16:27	27.07.22 12:49:00	20:22	220kV Joda - Ramchandrapur fdr	Tripped At both end . At Joda end:- DP main-1 relay: Zone-II, Dist=126.0km, Fault current Ia=485.7A, Ib=90.81A, Ic=1.326kA, VAN=127.1KV, VBN=126.4KV, VCN=102.1KV, DP main-2 relay: FL=CGT, Zone-II, Dist=119.7km, Fault current : A=46A, B=49A, C=1184A, N=1237A, G=1238A At Ranchandrapur end:- DP relay, zone-I, Dist=11.8km, Fault current Ia=0.49kA, Ib=0.11kA, Ic=7755A	-	-	-	-	-	-	-
138	Kesinga	26.07.22	17:55	27.07.22 12:20:00	18:25	220kV Kesinga - Sadeipali fdr	DISTANCE PROTECTION	-	-	-	-	-	-	-

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
139	Tarkera	26.07.22	18:07	27.07.22 10:21:00	16:14	220kV Tarkera - Bonai fdr	MT	-	-	-	-	-	-	-
140	Budhipadar	26.07.22	20:02	21:06	01:04	132kV Brajrajnagar- Kechhobahal feeder	FFS	Kechhobahal RTS Brajrajnagar Sundargarh	01:04 00:41	-	-	0.043711	-	-
			20:02	21:06	01:04	132 KV Budhipadar Brajrajnagar feeder	tripped on both ends along with all the power transformers due to heavy lightning and rain.							
			20:03	27.07.22 08:39	12:36	132kV Budhipadar-Lapanga feeder	At Budhipadar end:- D/P optd.:Distance trip, R, Y, Bph trip, Zone 1 trip, Fault loop-Y- Bph to E, Fault Distance- 3.4km, IL1-0.22kA, IL2=9.57kA, IL3=7.4kA Master trip optd.							
			20:04	20:46	00:42	132kV Budhipadar - Sundargarh Ckt-I	At Budhipadar end:- DP, E/F, R-phase, Zone-1, Dist.1.8km, If=8.69kA							
			20:04	20:45	00:41	132kV Budhipadar - Sundargarh Ckt-II	At Budhipadar end:- DP, E/F, R-phase, Zone-1, Dist.1.54km, If=6.626kA							
141	Tarkera	27.07.22	09:01	29.07.22 11:28:00	50:27	220kV Tarkera - Rengali ckt-II	MT	-	-	-	-	-	-	-
142	Joda	27.07.22	10:25	12:06	01:41	220kV Joda - Telkoi-TTPS fdr	Tripped At both Telkoi & TTPS end tripped but At Joda end Bkr. not tripped with following relay indication. At Joda end:- Not tripped & No relay indication At Telkoi end:- DP relay, zone-I, Dist=61.37km, Fault current Ia=251.4A, Ib=166.1A, Ic=372.3A At TTPS end:- DP relay, zone-I, Dist=1.711km, Fault current Ia=283.2A, Ib=20.85kA, Ic=282.3A	-	-	-	-	-	-	-
143	Polasponga	27.07.22	10:41	10:44	00:03	132kV Railway Feeder	Back up relay- O/C (R-PH) Ia=247.8A, Ib=161.1A, Ic=94.33A, Inm=6.35A, Ind=5.80A	Polasponga Tr.	-	-	-	0.000309	-	-
144	Budhipadar	27.07.22	11:25	11:42	00:17	132kV Budhipadar- Kalunga fdr	At Budhipadar end:- D/P optd.:Distance trip, R, Y, Bph trip, Zone 2 trip, Fault loop- Yph to E, Fault Distance- 90.28km, IL2- 1.084kA, In=727Amp Master trip optd. At Kalunga end:- D/P optd.:Distance trip, Zone 1 trip, Fault loop- Yph to E, Fault Distance- 24.33km, IL2-301.3Amp	-	-	-	-	-	-	-

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
145	Joda	27.07.22	10:25	12:06	01:41	220kV Joda - Telkoi-TTPS feeder	Tripped At both Telkoi & TTPS end tripped but At Joda end Bkr. not tripped with following relay indication. At Joda end:- Not tripped & No relay indication At Telkoi end:- DP relay, zone-I, Dist=61.37km, Fault current Ia=251.4A, Ib=166.1A, Ic=372.3A At TTPS end:- DP relay, zone-I, Dist=1.711km, Fault current Ia=283.2A, Ib=20.85kA, Ic=282.3A	Joda Telkoi Barbil,Bolani, Nalda RTSS,Arya Steel,BRPL, Karakendra,FAP, Polasponga,MSP OSIL,Essar, Polasponga Tr.,JSPL,Tensa, TSLP,Tata steel	00:17 00:39 00:20			0.033847		
			11:29	11:45	00:16	220kV Joda - TTPS ckt-II feeder	Tripped At both end with following relay indication. At Joda end:- DP main-1 relay: Zone-II, Dist=8.5444km, Fault current Ia=576.0A, Ib=597.5A, Ic=753.9A, VAN=85.57KV, VBN=114.9KV, VCN=121.6KV, DP main-2 relay: FL=AGT, Zone-II, Dist=17.04km, Fault current : A=548A, B=683A, C=854A, N=1540A, G=1538A At TTPS end:- DP relay, zone-II, Dist=134.1km, Fault current Ia=1.22kA, Ib=41.5A, Ic=94.9A			-	-		-	
			11:29	11:53	00:24	220kV Joda - TSIL feeder	Tripped At TSIL end on under voltage relay.							
			11:30	11:50	00:20	132kV Barbil-Joda feeder	Incoming power failure at Joda Grid S/S end.							
			11:30	11:50	00:20	132kV Barbil - Bolani feeder								
			11:40	13:49	02:09	132kV Joda - Barbil feeder	For 220kV Source failure at 220/132/33KV GSS,Joda							
			11:41	13:13	01:32	132kV Joda - KNPS feeder								
			11:42	11:50	00:08	132kV FAP, PPG, RTSS Banspani feeders								
			11:42	11:52	00:10	All auto Transformers, power Transformers								
			11:43	11:51	00:08	220kV Joda - JINDAL feeder								
146	Tentulikhunti	27.07.22	11:57	12:08	00:11	132kV Jayanagar - Tentulikhunti ckt-I	O/C & E/F	-	-	-	-	-	-	-

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
147	Budhipadar	27.07.22	13:16	18:47	05:31	132kV Budhipadar- Kalunga fdr	At Budhipadar end:- D/P optd.:Distance trip, R, Y , Bph trip , Zone 2 trip, Fault loop- Yph to E , Fault Distance- 81.131km, IL2-1.231kA,In=834Amp Master trip optd.	-	-	-	-	-	-	-
148	Tarkera	27.07.22	22:30	28.07.22 10:13	11:43	220kV Tarkera - Bonai fdr	MT	-	-	-	-	-	-	-
149	Polasponga	28.07.22	08:46	08:49	00:03	132kV Railway Feeder	Back up relay- O/C (R-PH) Ia=240.4A, Ib=207.8A, Ic=36.63A, Inm=6.504A, Ind=5.092A	Polasponga Tr.	00:03	-	-	0.000309	-	-
150	Laxmipur	28.07.22	10:38	10:48	00:10	220kV Laxmipur - Jayanagar ckt-I	B-e/f,If-1.9KA,Z-1,10.9KM	-	-	-	-	-	-	-
151	Joda	28.07.22	13:26	13:53	00:27	132kV Joda - Telkoi ckt	Tripped At Telkoi end & A/R success At Joda end with following relay indication. At Joda end:- A/R success, DP main-1 relay: Zone-I, Dist=51.61km, Fault current Ia=152.9A, Ib=2.093kA, Ic=94.32A, VAN=129.7KV, VBN=80.87KV, VCN=132.1KV, DP main-2 relay:A/R success, FL=BGT, Zone-I, Dist=48.06km, Fault current : A=157A, B=2183A, C=102A, N=2437A, G=2437A At Telkoi end:- DP relay, zone-I, Dist=41.30km, Fault current Ia=139.4A, Ib=1.526kA, Ic=61.56A							

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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
			13:47	29.07.22 18:25:00	28:38	132kV Joda - TTPS ckt-II	Tripped At both end with following relay indication. At Joda end:- DP main-1 relay: A/R optd., SOTF trip, Zone-I, Dist=55.36km, Fault current Ia=56.22A, Ib=1.801kA, Ic=56.14A, VAN=125.1KV, VBN=69.35KV, VCN=129.9KV, DP main-2 relay: A/R optd, FL=BGT, Zone-I, Dist=68.75km, Fault current : A=266A, B=1057A, C=154A, N=1474A, G=1474A At TTPS end:- DP relay, zone-I, Dist=88.89km, Fault current Ia=262.1A, Ib=2.043kA, Ic=112.8A. At 14:23Hrs 220kV Joda-TTPS Ckt-II fdr. made test charged at Joda end but immediately tripped with relay indication are as follows. [at loc no.303 Y-Phase suspension insulator punctured]	-	-	-	-	-	-	-
152	Kantabanji	28.07.22	13:57	13:59	00:02	132kV Kantabanji - Railway feeder	Over Current	Kantabanji RTSS	00:02	-	-	7.16E-05	-	-
153	Budhipadar	28.07.22	15:16	16:10	00:54	132kV Budhipadar- Kalunga fdr	At Budhipadar end:- D/P optd.:Distance trip, R, Y, Bph trip, Zone 1 trip, Fault loop- Rph to E, Fault Distance- 32.308km, IL1-2.483kA, Master trip optd. At Kalunga end:- D/P optd.:Distance trip, Zone 1 trip, Fault loop- Rph to E, Fault Distance- 68.55km, IL1-1.846 kA.	-	-	-	-	-	-	-
154	Polasponga	28.07.22	15:23	15:26	00:03	132kV Railway Feeder	E/F TRIP,Back up relay- E/F Ia=852.3A, Ib=62.41A, Ic=36.45A,Inm = 877.7A, Ind= 879.7A	Polasponga RTSS	00:03	-	-	0.000309	-	-
155	Budhipadar	28.07.22	15:37	16:02	00:25	132kV Budhipadar- Rajgangpur fdr	At Budhipadar end:- D/P optd.:Distance trip, R, Y, Bph trip, Zone 1 trip, Fault loop- Rph to E, Fault Distance- 44.092km, IL1-2.094kA, Master trip optd. At Rajgangpur end:- D/P optd.:Distance trip, Zone 1 trip, Fault loop- Rph to E, Fault Distance- 35.78km, IL1-1.852 kA.	-	-	-	-	-	-	-

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
156	Rairangpur	28.07.22	16:52	18:32	01:40	132kVBangiriposi-Rairangpurfeeder	Sourcefailure	Karanjia,Dhenkikote	00:30	-	-	0.008404	-	-
157	Tarkera	29.07.22	11:34	10:14 02.08.22	1.94	220kV Tarkera - Rengali ckt-II	MT	-	-	-	-	-	-	-
158	Goda	29.07.22	11:35	12:30	00:55	220kV Goda - Duburi fdr	E/F in B phase. Ia=82.83A, Ib=197A, Ic=77.66A, Dist=36.4km	-	-	-	-	-	-	-
159	Joda	29.07.22	11:55	12:36	00:41	220kV Joda - Telkoi- TTPS-I fdr	Tripped At both end but A/R success At Joda end with following relay indication. At Joda end:- DP main-1 relay: Zone-I, Dist=94.80km, Fault current Ia=149.4A, Ib=290.8A, Ic=1.901kA, VAN=121.8KV, VBN=119.3KV, VCN=68.67KV, DP main-2 relay: FL=CGT, Zone-I, Dist=45.13km, Fault current : A=145A, B=282A, C=1900A, N=2205A, G=2206A At Telkoi end: DP relay, zone-I, Dist=37.6km, Fault current Ia=122.9A, Ib=275.7A, Ic=1.829kA	-	-	-	-	-	-	-
160	Laxmipur	29.07.22	14:40	17:52	03:12	220kV Laxmipur - Aditya ckt-II	B-e/f,If=1.502KA,Z=1,	-	-	-	-	-	-	-
161	Kantabanji	29.07.22	18:01	18:04	00:03	132kV Kantabanji - Railway feeder	Over Current	Kantabanji RTSS	00:03	-	-	0.000107	-	-
162	Polasponga	29.07.22	21:10	21:12	00:02	132kV Railway Feeder	Back up relay- O/C (R-PH) Ia=240.2A, Ib=210.9A, Ic=36.35A,Inm = 6.749A, Ind= 5.39A	Polasponga Tr.	00:02	-	-	0.000206	-	-
163	Bidanasi	30.07.22	00:11	07:41	07:30	220kV Bidanasi - Mendhasal Ckt-I	At Bidanasi end:- Zone-1, Distance=23.7km, Ia=0.959kA [Heavy flashover at R-ph PI of 89C isolater of 220KV Bidanasi-1 causing the Bus fault.]	-	-	-	-	-	-	-
		30.07.22	00:11	07:33	07:22	400kV ICT-1	861 and 86 2 relay opt.							
		30.07.22	00:11	07:37	07:26	220kV ICT-1	220 KV Side B/B opt., 96 Opt.							
		30.07.22	00:11	07:42	07:31	220kV Mendhasal - Chandaka--2	All Feeders are tripped due to heavy							
		30.07.22	00:11	07:43	07:32	220kV Mendhasal - Chandaka--B fdr	flashover at R-ph PI of 89C isolater of							
		30.07.22	00:11	08:02	07:51	100MVA Auto-1	220KV Bidanasi-1 causing the Bus fault							
		30.07.22	00:11	07:47	07:36	220kV Mendhasal - Nayagarah fdr								
		30.07.22	00:11	07:48	07:37	220kV Mendhasal - Atri ckt-I								
164	Budhipadar	30.07.22	02:00	02:24	00:24	132kV Budhipadar - Sundargarh Ckt-I	At Budhipadar end:- DP optd. FL-Rph-E, FD=10.8km, IL1=5.73kA At Sundargarh end:- DP, E/F, R-phase, Zone-1, Dist:15.35km, If=1.59kA	-	-	-	-	-	-	-

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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
165	Brajrajnagar	30.07.22	10:41	15:52	05:11	132kV Brajrajnagar- Kechhobahal feeder	Tripped on E/F and O/C at Budhipadar end (B/U relay optd., L3 PU, E/F, O/C, IL3-1.02kA, Master trip relay optd.)only, along with all the transformers. The Bph main 29-A isolator jumper snapped	Kechhobahal RTSS Brajrajnagar	05:11 04:07	-	-	0.114313	-	-
			10:41	14:48	04:07	132 KV Budhipadar Brajrajnagar								
			10:41	11:13	00:32	132kV Budhipadar - Jharsuguda Ckt-I								
166	Kesinga	30.07.22	13:13	13:49	00:36	132kV Kesinga - VAL fdr	Directional O/C.	-	-	-	-	-	-	-
			13:14	13:22	00:08	132kV Kesinga - Muniguda fdr	50/51P,50/51G Ia=2.01kA, Ib=1.54kA, Ic=1.54kA							
167	Balasore	30.07.22	18:01	18:01	00:00	220kV Balasore - PGCIL ckt-I	At Balasore end: Main-I: A-N, Z-I, A/R OPTD, Dist- 21.22km, fault current Ia-3.514kA, Ib-208.3A, Ic-485.9A, Main-II: A-N, Z-I, A/R OPTD, Dist-21.10km, fault current Ia-3.50kA, Ib-206.6A, Ic-483.7A At Kuchei end: Main-I: R-G, Z-1, Dist-49.38km, fault current Ia-2.783kA, Main-II : R-G, Z-2 carrier aided, Dist-62.96km, fault current Ia-2.747kA	-	-	-	-	-	-	-
168	Karanjia	31.07.22	03:11	03:29	00:18	132kV Karanjia - Bangiriposi feeder	132kV Power Supply failed from Bangiriposhi end. No tripping at this end.	-	-	-	-	-	-	-
			04:25	04:35	00:10									
169	Boinda	31.07.22	10:03	10:16	00:13	132kV Boinda - Angul feeder	DP relay optd. at Angul end.	Boinda	00:07	-	-	0.001656	-	-
			10:10	10:10	00:07	132kV Rairakhol - Boinda feeder	Source failure							
170	Chhend	31.07.22	10:14	10:16	00:02	132kV Chhend - Nuagaon Rly.Traction feeder.	tripped on O/C, (R,Y)- ph, IL1-0.22kA, IL2-0.22kA & 86B trip relay optd..	Nuagaon RTSS	00:02	-	-	0.000129	-	-
171	Polasponga	31.07.22	10:33	10:35	00:02	132kV Railway Feeder	O/C TRIP, Back up relay- O/C (R-PH) Ia=239.37A, Ib=203.4A, Ic=45.24A,Inm = 6.626A, Ind= 4.492A	Polasponga RTSS	00:05	-	-	0.000515	-	-
			11:00	11:03	00:03		O/C TRIP,Back up relay- O/C (R-PH) Ia=248.1A, Ib=186.7A, Ic=67A,Inm = 7.268A, Ind= 6.014A							
172	Kesinga	31.07.22	12:23	12:29	00:06	132kV Kesinga - VAL fdr	Directional O/C.	-	-	-	-	-	-	-
173	Joda	31.07.22	14:47	02.08.22	53:30	220kV Joda - TTPS ckt-II	Tripped condition & work in progress	-	-	-	-	-	-	-
				20:17	00:45	220kV Joda - Ramchandrapur fdr	Tripped only At Ramchandrapur end with following relay indication: DP relay, Dist=112.1km, Zone-I, Fault current : N/A							

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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
174	Joda	31.07.22	14:47	02.08.22 20:17:00	53:30	220kV Joda - TTPS ckt-II	At Joda end:- DP Relay(Main-I):- Fault Dist=12.42km, Fault phase-ABC, SOTF Zone-01, Fault current :Ia=1.789kA, Ib=46.35A, Ic=57.76A, DP main-2: Fault loop: AGT, Dist :13.04km, Zone-I, Fault current:A=1855A, B=271A, C=65A, N=2002A, G=2003A At TTPS end:- DP Relay: Dist=124.7km, Zone-01, FL=L1-N, Fault current:IL1=588.5A, IL2= 301.8A, Ic= 90.91A [R-Ph String insulator snapped at loc no.467 (Tension Tower).]	-	-	-	-	-	-	-
175	Chhend	01.08.22	01:45	01:47	00:02	132kV Chhend - Nuagaon Traction feeder	Tripped O/C IL1=0.22KA , IL2=0.22KA , IL3=0KA	Nuagaon Tr	00:02	-	-	0.000138	-	-
176	Bangiriposi	01.08.22	03:11	03:26	00:15	132kV Bangiriposi - Rairangpur feeder	DP relay: General Trip. Zone-1, Dist.- 4.6km, IL1-3.01kA, IL2-0.33kA & IL3- 2.92kA. B/U Relay:- O/C, IL1-2.92kA, IL2- 0.43kA & IL3-3.22kA	Rairangpur, Karanjia ,Dhenkikote	00:24	-	-	0.013734	-	-
			04:24	04:33	00:09		B/U Relay:- E/F, I _{L1} -1.85kA, I _{L2} -0.35kA & I _{L3} -0.59kA							
177	Jayanagar	01.08.22	06:10	07:05	00:55	220kV Jayanagar - Jeypore PG ckt-I	B-ph, Zone-1, Dist-3.4km, If=7.4kA	-	-	-	-	-	-	-
178	Bidanasi	01.08.22	08:27	11:58	03:31	220kV Bidanasi - Mendhasal Ckt-II	At Bidanasi end:- Zone-1, A to N fault, O/C, Distance=24.18km, Ia=3.53kA, Ig=3.23kA At Mendhasal end:- Zone-1, Distance- 06.5km, Ia=9.17kA	-	-	-	-	-	-	-
179	Polasponga	01.08.22	16:36	16:39	00:03	132kV Polasponga - Railway feeder	Back up relay- O/C (R-PH) Ia=240.0A, Ib=212.0A, Ic=38.09A, Inm=6.521A, Ind=4.359A	Polasponga Tr.	00:03	-	-	0.0002068	-	-
180	Choudwar	02.08.22	04:59	05:05	00:06	132kV Choudwar - TS Alloy feeder	O/C, B-phase, E/F Zone-1	TS Alloy	00:06	-	-	9.65E-06	-	-
181	Sonepur	02.08.22	10:30	10:34	00:04	132kV Bolangir - Sonpur Incomer	Tripped from New Bolangir end	Sonepur,Boudh Birmaharajapur	00:04	-	-	0.002659	-	-
			10:31	10:35	00:04	132kV Boudh - Sonepur feeder	feeder tripped at Sonepur end							
182	Jayanagar	02.08.22	12:51	13:21	00:30	132kV Jayanagar - Podagada feeder	B-G, F.C-485.8A	-	-	-	-	-	-	-
183	Jayanagar	02.08.22	13:05	13:11	00:06	132kV Jayanagar - Railway feeder	Zone-1, R-Y-G, Dist-63.28km, Ir- 2.005kA, ly-2.070kA	Jayanagar Tr.	00:06	-	-	0.000781	-	-
184	Sonepur	02.08.22	13:48	13:58	00:10	132kV Boudh - Sonepur feeder	feeder tripped at Sonepur end	Sonepur,Boudh Birmaharajapur	00:10	-	-	0.006648	-	-
			13:48	13:58	00:10	132kV Bolangir - Sonpur Incomer	Tripped from old Bolangir end							

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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
185	Angul	02.08.22	16:11	16:31	00:20	132kV Angul - MCL ckt-I	Tripped on O/C R-Ph,Fault current = 3.89kA [Heavy rain and severe lighting]	Angul, MCL	00:20 00:18			0.015482		
			16:11	16:31	00:20	132kV Angul - MCL ckt-II	Tripped on DP Relay,Fault loop-L1N,Fault current -5.5kA, Fault abs. distance-4.9km							
			16:12	16:30	00:18	132kV Chainpal - Angul feeder	At Angul end:- Tripped on DP Relay, Fault loop-L1N, Fault current -2.7kA, Fault abs. distance-6.66km At Chainpal end:- DP Relay operated,in Z-1, Fault distance=6.91km, fault current , Ia=7.365kA							
186	Angul	02.08.22	17:33	17:56	00:23	132kV Angul - MCL ckt-I	Tripped on O/C(R&Y)Ph and E/F,Fault current IL1= 1.16kA,IL2=4.78kA [Fault occurred due to 10MVA TFR-I R-Ph bushing secondary side conductor snapped at MCL end.]	-	-	-	-	-	-	-
187	Dhenkanal	02.08.22	18:28	18:49	00:21	132kV Dhenkanal - Meramundali feeder	At Dhenkanal end:- D.P Realy, B-C-N Fault loop, Ia=248.5A, Ib=2.186kA, Ic=2.14kA, Dist=25.83km, Zone-1 At Meramundali end:- DP, B-C Fault loop, Ib=7.5kA, Ic=6.76kA, Zone not recorded, Dist=9.96km, B/U relay:- B-C-N, Ia=256.9A, Ib=7.5kA, Ic=5.69kA, In=4.46kA	-	-	-	-	-	-	-
188	Tarkera	03.08.22	09:13	10:38	01:25	220kV Tarkera - Bonai feeder	MT	-	-	-	-	-	-	-
			09:14	10:40	01:26	220 kV Tarkera - Rengali ckt-II		-	-	-	-	-	-	-
189	Budhipadar	03.08.22	11:58	12:05	00:07	132kV Budhipadar- Sundargarh Ckt-II	at Budhipadar -O/C and E/F Trip	-	-	-	-	-	-	-
190	Budhipadar	03.08.22	13:13	13:27	00:14	132kV Budhipadar- Kalunga feeder	At Budhipadar end:- D/P operated, Distance trip, R-Y-B ph trip, Zone 1 trip, Fault loop- Rph to E, Dist-79.56km, IL1-1.33kA, Master trip operated [E/F, Due to thunder and lightning] At Kalunga end:- D/P operated, Distance trip, Zone 1 trip, Fault loop-Rph to E , Fault distance- 4.132km, IL1-450.5A	-	-	-	-	-	-	-

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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
			13:27	18:51	05:24		At Budhipadar end:- D/P operated, Distance trip, R-Y-B ph trip, Zone 1 trip, Fault loop- Rph to E, Dist-74.035km, IL1-1.291kA, Master trip operated [R-Ph insulator string damaged and replaced at Loc no-57.]							
191	Jharsuguda	03.08.22	22:25	23:16	00:51	132kV Jharsuguda - Ultratech feeder	O/C RYB Phase and E/F	Ultratech	00:51	-	-	0.00712	-	-
192	Budhipadar	03.08.22	22:31	23:08	00:37	220kV Budhipadar- VAL CKT No-II feeder	At Budhipadar end:- D/P operated, Distance trip, Zone 1 trip, Fault loop- Yph to E , Dist-1.6km, IL2-22.46kA, Master trip operated At VAL end:- D/P operated, Distance trip, Zone 1 trip, Fault loop- Yph to E , Distance-11.6km, IL2-6.28kA	-	-	-	-	-	-	-
193	Budhipadar	03.08.22	22:52	04.08.22 00:03:00	01:11	132kV Budhipadar- MCL Ckt no-II feeder	At Budhipadar end:- D/P operated, Distance trip, Zone 2 trip, Fault loop- Rph to E , Fault distance- 17.35km, IL1-4.57kA, IL2-4.74, IL3-3.98kA, Master trip operated B/U- O/C and E/F Trip R-Phase (TBC)	-	-	-	-	-	-	-
194	Tarkera	04.08.22	07:36	05.08.22 16:50:00	33:14	220kV Tarkera - Bonai feeder	MT	-	-	-	-	-	-	-
			07:37	08.08.22 22:17:00	110:40	220kV Tarkera - Rengali feeder								
195	Budhipadar	04.08.22	10:15	13:20	03:05	132kV Budhipadar- Kalunga feeder	At Budhipadar end:- D/P operated, Distance trip, Zone 1 trip, Fault loop- Yph to E , Distance-77.783km, IL2-1.021kA, In-0.953kA. Master trip operated [Tree touching fault] At Kalunga end:- D/P operated, Zone 1 trip, Fault loop- Yph to E , Distance-21.62km, IL2-2.341kA	-	-	-	-	-	-	-
196	Mendhasal	04.08.22	11:43	15:12	03:29	220kV Mendhasal - Nayagarh feeder	Bph to E, Zone-1, Dist=44.8km, fault current Ic=2.89kA AR unsuccessful	-	-	-	-	-	-	-
197	Tarkera	04.08.22	12:22	04.08.22 12:49:00	00:27	132 kV Tarkera - Kalunga feeder	R,Y,B-PH Trip, Zone-1, LOOP=L3N, Dist-1.04km, IL3= 12.482kA, IN=12.17kA, MT	-	-	-	-	-	-	-
198	Kuchinda	04.08.22	13:27	19:08	05:41	132kV Kuchinda - Rajgangpur feeder	Tripped phase Y-B, Ir=21.79A, Iy=1.95kA, Ib=1.94kA, Van=76.95kV, Ibn=41.17kV, Icn=40.06kV [y-ph Jumper snapped at loc 38]	Kuchinda	00:12	-	-	0.002273	-	-
199	Khariar	05.08.22	10:40	11:10	00:30	132kV Khariar - Kesinga feeder	Source failure	Khariar, Kantabanji Kantabanji Tr.	00:30	-	-	0.020478	-	-

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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
200	Bhanjanagar	05.08.22	10:50	11:11	00:21	220kV Meramundali - Bhanjanagar feeder	At Bhanjanagar end:- C-N, Zone-1, Dist-41.62km, IC-1.78kA At Meramundali end:- A/R successful. MAIN 1: B-E, IB=1.55kA, Dist-107.4km, Zone-1. MAIN 2: B-E, IB=1.50kA, Dist-115.73km	-	-	-	-	-	-	-
201	Nuapada	05.08.22	11:21	19:02	07:41	132kV Nuapada - Padampur feeder	At Padampur end:- DP operated, Zone-1, Distance=32.52km, Ia=334.1A, Ib=152.0A, Ic=171.5A	Nuapada, Nuapada Tr.	00:51	-	-	0.010428	-	-
202	Duburi	05.08.22	11:27	12:50	01:23	132KV Duburi - JSW Circuit	DP operated	JSW	01:23	-	-	0.002139	-	-
203	Sonapur	05.08.22	12:08	12:20	00:12	132kV Bolangir - Sonpur Incomer	Tripped from New Bolangir end	Sonapur, Boudh Birmaharajapur	00:12	-	-	0.007978	-	-
			12:08	12:19	00:11	132kV Boudh - Sonapur feeder								
204	Joda	05.08.22	15:55	16:21	00:26	132kV Joda - Polasponga feeder	Tripped at Joda end but didn't tripped at Palasponga end with relay indication At Joda end:- DP relay, Fault Current: IL1=181.61A, IL2=181.60A, IL3=174.06A & IN=31.90A B/U relay:- O/C, Fault Current: IL1=1.03kA, IL2=0.20kA, IL3=0.30kA At Polasponga end:- B/U relay: AGT, Fault Current: Ia=1173.6A, Ib=275.4A, IL3=409.0A, IN=0.04A, Ig=758.7A	Polasponga Polasponga Tr. ESIL, MSP	00:23	-	-	0.01613	-	-
205	Tarkera	06.08.22	08:02	08.08.22 22:14:00	62:12	220kV Tarkera - Bonai feeder	MT	-	-	-	-	-	-	-
206	Telkoi	06.08.22	13:09	14:39	01:30	220kV Telkoi - TTPS feeder	DP operated, Ia=148.4A, Ib=795.8A, Ic=1.673KA, Zone-2, Distance-66.66km	-	-	-	-	-	-	-
207	Budhipadar	06.08.22	14:18	14:50	00:32	132kV Budhipadar- Kalunga feeder	At Budhipadar end:- D/P operated, Distance trip, R-Y-Bph trip, Zone 1 trip, Fault loop- Rph to E , Distance-35.18km(24.84%), IL1-2.42kA, In-2.37kA. Master trip operated At Kalunga end:- D/P operated: Distance trip , Zone 1 trip, Fault loop- Rph to E , Fault distance-65.63KM, IL1-1.17KAmp [Lightening and rain at Bamra area]	-	-	-	-	-	-	-

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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
208	Budhipadar	06.08.22	15:21	15:58	00:37	132kV Budhipadar- MCL Ckt no-II feeder	At Budhipadar end:- D/P operated:Distance trip, Zone 1 trip, Fault loop- Rph to E , Fault distance- 7.644KM, IL1-7.202KA	-	-	-	-	-	-	-
			15:21	07.08.22 15:34:00	24:13	220kV Budhipadar- IBTPS CKT-III	At Budhipadar end:- D/P operated:Distance trip, Zone 1 trip, Fault loop- Rph to E , Fault distance- 12.5KM(49.4%), IL2-8.08KA,Master trip operated At IBTPS end:- D/P operated:Distance trip , Zone 1 trip, Fault loop- Rph to E , Fault distance- 12KM, IL2-10KAmp							
			15:35	19:34	03:59	220kV Budhipadar- IBTPS CKT-IV	At Budhipadar end:- D/P operated:Distance trip, Zone 2 trip, Fault loop- Rph to E , Fault distance- 23.4KM, IL1-6.32KA At IBTPS end:- D/P operated:Distance trip , Zone 1 trip, Fault loop- Rph to E , Fault distance- 3KM, IL1-10KAmp							
209	Polasponga	06.08.22	16:00	16:02	00:02	132kV Polasponga - Railway feeder	Back up relay- O/C (R-PH) Ia=239.7A, Ib=203.5A, Ic=47.08A, Inm=7.035A, Ind=5.605A	Polasponga Tr.	00:02	-	-	0.0001379	-	-
210	Budhipadar	06.08.22	17:08	07.08.22 14:01:00	20:53	220kV Budhipadar- Raigarh	At Budhipadar end:- D/P operated:Distance trip, Zone 2 trip, Fault loop- Rph to E , Fault distance- 69KM(82.7%), IL1-2.41KA At Raigarh end:- D/P operated:Distance trip , Zone 1 trip, Fault loop- Rph to E , Fault distance- 3KM, IL1-10KAmp	-	-	-	-	-	-	-
			17:08	07.08.22 13:23:00	20:05	220kV Budhipadar- Korba I	At Budhipadar end:- D/P operated:Distance trip, Zone 1 trip, Fault loop- Rph to E , Fault distance- 80.1KM(44.2%), IL1-1.92KA At Korba end:- D/P operated:Distance trip , Zone 2 trip, Fault loop- Rph to E , Fault distance- 101.86KM, IL1-1.53KAmp							
211	Therubali	07.08.22	01:10	01:59	00:49	220kV Narendrapur - Therubali ckt-II	At Therubali end:- Z-2, C-N, Dist- 214.52km, Ia=176.54A, Ib=605.91A, Ic=1102.84 A At Narendrapur end:- Z-1, C-N, Dist- 12.07km, Ia=217A, Ib=606 A, Ic= 3823A	-	-	-	-	-	-	-

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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
212	Phulnakhara	07.08.22	10:25	10:31	00:06	132kV Pratapsasan - Phulnakhara ckt-I	At Phulnakhara end:- DP relay operated, Zone -1 , B-ph & E/F, Ia=154.8A, Ib=143.7A, Ic=3.753kA At Pratapsasan end:- Auto Reclosure operated at remote end and the line stood ok	-	-	-	-	-	-	-
213	Chandbali GIS	08.08.22	10:37	10:47	00:10	Olaver -Chandbali Line 1 & Line 2	Source failure	Chandbali Rajnagar	00:10	-	-	0.001941	-	-
			10:37	10:47	00:10	132kV Pattamundai - Rajnagar ckt-I	132 KV P/S failed from 132/33 KV GSS at Patamundai (source) end							
			10:37	10:47	00:10	132kV Pattamundai - Rajnagar ckt-II	132 KV P/S failed from 132/33 KV GSS at Patamundai (source) end							
214	Rajnagar	08.08.22	14:26	14:30	00:04	132kV Pattamundai - Rajnagar ckt-I	132 KV P/S failed from 132/33 KV GSS at Patamundai (source) end	Chandbali Rajnagar	00:04	-	-	0.000776	-	-
			14:26	14:30	00:04	132kV Pattamundai - Rajnagar ckt-II	132 KV P/S failed from 132/33 KV GSS at Patamundai (source) end							
			14:27	14:29	00:02	Olaver -Chandbali Line 1 & Line 2	Source failure							
215	Rourkela	08.08.22	23:01	23:11	00:10	132kV Rourkela - BK steel feeder	DP & M/T relay indication DP relay details:-loc=38km, Zone-1, event =ABT, Fault current details:- IA=3166 A, IB=3253 A, IC=114 A, IN=0 A, IG=312 A [Heavy raining occurred]	Bhalulata RTSS, BK Steel	00:10	-	-	0.001788	-	-
216	Tarkera	09.08.22	01:07	22:57	21:50	220kV Tarkera - Bonai feeder	MT	-	-	-	-	-	-	-
			02:43	22:57	20:14	220kV Tarkera - Rengali feeder								
217	Sadeipalli	09.08.22	13:01	13:20	00:19	132kV Bolangir New - Patnagarh ckt-I	Back up, O/C	Nuapada, Nuapada Tr., Padampur, Patnagarh	00:16	-	-	0.014115	-	-
			13:01	13:16	00:15	132kV Bolangir New - Patnagarh ckt-II	DP, Zone-1, Dist-10.42km, B-ph to E, If=							
			13:01	13:20	00:19	132kV Patnagarh - Padampur feeder	Supply Failed from 220/132/33KV GSS Sadeipali							
			13:01	13:17	00:16	132kV Nuapada - Bolangir feeder	DP operated at Balangir							
218	Lapanga	09.08.22	16:30	10.08.22 08:11:00	15:41	132kV Lapanga - SMC feeder	BPH-G, Dist-1.4km, IL3-16.11kA	-	-	-	-	-	-	-
			16:31	16:53	00:22	220/132KV Auto-I LV side	IL1-0.23kA, IL2-0.14kA, IL3-0.14kA							
			16:31	16:51	00:20	220/132KV Auto-II LV side	IL1-0.18kA, IL2-0.15kA, IL3-0.18kA							
219	Kuchinda	09.08.22	16:39	17:04	00:25	132kV Kuchinda - SMC feeder 32kV Lapanga - SMC Feeder	tripped	Kuchinda	00:25	-	-	0.004735	-	-
220	Tarkera	10.08.22	01:17	13.08.22 14:16:00	84:59	220kV Tarkera - Bonai feeder	MT	-	-	-	-	-	-	-
			01:31	13.08.22 14:16:00	84:45	220 kV Tarkera - Rengali ckt-II								
221	Gondia	10.08.22	15:15	16:40	01:25	132kV TTPS - Gondia feeder	At Gondia end:- DP, B-ph to E, Dist-12km, If=1.83km	-	-	-	-	-	-	-
222	Mania	10.08.22	15:40	15:45	00:05	132kV OCL - Mania feeder	No Indication	-	0	-	-	-	-	-

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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
223	Joda	10.08.22	20:07	11.08.22 13:26:00	17:19	220kV Joda - Ramchandrapur feeder	At Joda end:- DP Relay(Main-I):-Fault Distance =1.42km, Fault phase-ABC, Zone=01, Fault current:- Ia=83.8A, Ib=805.4A, Ic=6.32kA, DP main-2:-Fault loop: CGT, Dist-0.3km, Zone-I Fault current:- A=284A, B=802A, C=6391A, N=7428A, G=7426A At TTPS end:- DP Relay:- Dist=120.5km, Zone-02, FL=Y-B, Fault current:- IA=0.05kA, IB= 2.21kA, Ic= 2.07kA [B-Ph jumper snapped and touched the Y-Ph cross arm at loc no.358 i.e gantry (Tension tower).]	-	-	-	-	-	-	-
224	Mancheswar B	11.08.22	02:16	03:07	00:51	132kV Mancheswar B - Mancheswar A feeder	Ia=2.162kA, Ib=2.230kA, Ic= 2.305kA	Mancheswar B	00:51	-	-	0.012649	-	-
225	Joda	11.08.22	08:28	08:43	00:15	132kV Joda - Banspani feeder	At Joda end:- B/U relay:- Directional O/C relay, R-Y Ph, Fault current IL1=0.27kA, IL2=0.27kA	Banspani Tr.	00:15	-	-	0.001697	-	-
226	Polasponga	11.08.22	16:57	17:00	00:03	132kV Polasponga - Railway feeder	Back up relay- O/C (R-PH) Ia=240.5A, Ib=224.8A, Ic=40.12A, Inm=7.119A, Ind=5.458A	Polasponga Tr.	00:03	-	-	0.0002068	-	-
227	Lapanga	11.08.22	17:11	12.08.22 11:40:00	18:29	132kV Lapanga - Hirakud feeder	BPH-G, DIST-41km, IL3-2.91kA [B-ph jumper snapped.]	-	-	-	-	-	-	-
228	Budhipadar	12.08.22	21:15	21:31	00:16	132kV Budhipadar - Sundargarh ckt-II	At Budhipadar end:- D/P operated, Distance trip, R-Y-Bph trip , Zone 1 trip, Fault loop- Rph to E , Fault distance- 10.37km, IL1-6.075kA, In-5.842kA Master trip operated At Sundargarh end:- D/P operated, Distance trip , Zone 1 trip, Fault loop- Rph to E , Fault distance- 15.37km, IL1- 1.375kA, In-1.612kA [Heavy rain & thunder storm]	-	-	-	-	-	-	-
229	Pattamundai	13.08.22	08:10	08:52	00:42	132kV Kendrapada - Pattamundai feeder	At Pattamundai end:- Distance Protection (B-phase & Zone-4) Fault Loc- -841.7 m, O/C(R,Y,B), I in B ph= 1.165kA At Kendrapada end:- E/F, B-Ph If= 2.6kA [puncture of 132KV B-Phase Cross bus insulator string of 20MVA Transformer-I of Kendrapara]	Pattamundai, Olaver, Rajnagar, Chandbali	00:43	-	-	0.019544	-	-
			08:10	08:53	00:43	Olaver -Chandbali Line 1 & Line 2	Source failure							

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
			08:10	08:53	00:43	132kV Pattamundai - Rajnagar ckt-I	132KV P/S failed from 132/33 KV GSS at Patamundai (source) end							
			08:10	08:53	00:43	132kV Pattamundai - Rajnagar ckt-II								
230	Pattamundai	13.08.22	12:12	13:13	01:01	132kV Pattamundai - Rajnagar ckt-I	132 KV B phase cross bus insulator puncture of Transformer-I bay(132 KV side) at 132/33 KV Patamundai GSS (source end).	Olaver, Rajnagar, Chandbali	01:01	-	-	0.011838	-	-
			12:12	13:13	01:01	Olaver -Chandbali Line 1 & Line 2	Source failure							
231	Tarkera	13.08.22	14:20	21.08.22 14:07:00	191:47	220kV Tarkera - Bonai feeder	MT			-	-	-	-	-
			14:20	21.08.22 14:08:00	191:48	220 kV Tarkera - Rengali ckt-II		-	-	-	-	-	-	-
232	Budhipadar	13.08.22	15:35	16:22	00:47	132kV Budhipadar - Kalunga feeder	At Budhipadar end:- D/P operated, Distance trip, R-Y-Bph trip , Zone 1 trip, Fault loop- Rph to E , Fault distance- 65.494km(64.85%), IL1-1.34kA, In- 1.21kA Master trip operated [E/F,Due to thunder and lightning,] At Kalunga end:- D/P operated, Distance trip , Zone 1 trip, Fault loop- Rph to E , Fault distance- 28.6km, IL1- 2.05kA	-	-	-	-	-	-	-
233	New Duburi	13.08.22	19:30	19:30	00:00	400kV New Duburi - Baripada feeder	At New Duburi end:- MAIN-1/2 DP optd, Line A/R optd, Main1 DP, B-ph PU, Zone-1 ,Zone -1B Trip, Carrier send/receive, Dist=139.7km, IL3=2.37kA, Main-2 DP, B-ph PU, ZCOM Trip , Carrier send/receive, IL3=2411.44A, Dist=140.39km At Baripada end:- MAIN 1: B ph to G, Zone-1, IL3=6.32kA, Dist=31.28km, Main 2: B ph to G, Zone-1, IL3=6.39kA, Dist=34.71km, A/R optd	-	-	-	-	-	-	-
234	Arati	14.08.22	05:01	05:07	00:06	132kV Arati-TS Alloy	Tripped [Nuapatna and Banki were availing P/S from Arati. 132kV Kkata & 132kV Atri were in H/T posion}	Nuapatna Banki	00:06	-	-	0.00257	-	-
235	Budhipadar	14.08.22	10:47	13:10	02:23	220kV Budhipadar- Korba I	At Budhipadar end:- D/P operated, Distance trip, Zone 1 trip, Master trip operated At Korba end:- D/P operated, Distance trip , Zone 1 trip, Fault loop- Bph to E , Fault distance- 25.67km, IL3-1.954kA	-	-	-	-	-	-	-

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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
236	Choudwar	14.08.22	12:04	12:22	00:18	132kV Choudwar - Bidanasi feeder	O/C, B-ph, Zone-1, fault loc-4.18 km	Choudwar Choudwar Tr.	00:10	-	-	0.008589	-	-
			12:32	18:40	06:08	132kV Choudwar - Bidanasi feeder	O/C, B-ph, Zone-1, fault loc-4.131km							
237	Lapanga	14.08.22	17:35	16.08.22 13:31:00	43:56	400kV Lapanga - Meramundali ckt-I	At Lapanga end:- R-Y ph, Dist-44.3km, Zone-1, IL1-9.5kA, IL2-9.6kA At Meramundali end:- Main 1: R-Y-E, IR=3.23kA, IY= 3.32kA, Dist-148.1km, Zone-1 Main 2: R-Y-E, IR=3.23kA, IY= 3.32kA, Dist-148.2km, Zone-1 A/R Unsuccessful [B-ph jumper snapped at Loc no 428,]	-	-	-	-	-	-	-
238	Budhipadar	14.08.22	20:07	20:17	00:10	132kV Budhipadar- Kalunga feeder	At Budhipadar end:- D/P operated, Distance trip, R-Y-Bph trip , Zone 1 trip, Fault loop- Rph to E , Fault distance- 71.297km(70.57%), IL1-1.498kA, In- 1.062kA Master trip operated	-	-	-	-	-	-	-
239	Kuchinda	14.08.22	21:03	21:12	00:09	132kV Kuchinda - Rajgangpur feeder	E/F, tripped phase-ABN, Ia=1.34kA, Ib=1.39kA, Ic=22A, Van=38.6kV, Vbn=39.02kV, Vcn=82.6kV	-	-	-	-	-	-	-
240	Chainpal	14.08.22	22:00	22:28	00:28	132kV Chainpal - Meramundali ckt-II	At Chainpal end:- Not tripped at our end, electro mechanical,relay tripped on directional Y phase At Meramundali end:- Y-ph Directional E/F,MT	Rairakhol, Boinda Chainpal Chainpal Tr. Talcher Fert. Angul, MCL	00:08 00:34			0.035748		
			22:00	22:37	00:37	132kV Chainpal - Meramundali ckt-I	At Chainpal end:- Back up relay tripped on E/F, Ia-80A, Ib-172A, Ic-190A At Meramundali end:- No tripping							
			22:00	22:50	00:50	132kV Chainpal - TTPS ckt-I	At Chainpal end:- Tripped on distance protection with distance indication 726mtr, Zone-1, fault current:- Ia-741A, Ib-872.6A, Ic-11.46kA							
			22:00	22:50	00:50	132kV Chainpal - TTPS ckt-II	Not tripped ,tripped at remote end							
			22:00	22:37	00:37	132kV Chainpal - RTSS feeder	Source failure							
			22:00	22:37	00:37	132kV TTPS - Angul feeder	Tripped on Master Trip							
			22:00	22:32	00:32	132kV Chainpal - Angul feeder	System failed at chainpal end							
			22:00	22:56	00:56	132kV Angul - Boinda feeder	Source failure due to CT burst at Chainpal grid							
			22:00	22:42	00:42	132kV Chainpal - Global - TFL feeder	Source failure							

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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
241	Tarkera	14.08.22	22:54	15.08.22 12:19:00	13:25	100 MVA Auto-III	OSR Trip, MT Operated	-	-	-	-	-	-	-
242	Tarkera	15.08.22	00:01	00:12	00:11	132 kV Tarkera - Rajgangpur ckt-II	B/U Relay:- O/C B-ph, IL1=0.05kA, IL2=0.02kA, IL3=0.41kA, MT	-	-	-	-	-	-	-
243	Polasponga	15.08.22	10:22	10:27	00:05	132kV Polasponga - Essar(AMNS) feeder	Master trip relay operated.DP relay pick up - Ia - 0.11kA,Ib-0.08kA,Ic-1.24kA, Distance- 21.1km	Essar	02:08	-	-	0.089769	-	-
			10:38	12:41	02:03		Master trip relay operated.DP relay pick up - Ia - 0.01kA,Ib-0.00kA,Ic-1.30kA, Distance- 20.7km							
244	Budhipadar	15.08.22	11:36	12:10	00:34	132kV Budhipadar - MCL Ckt-II	At Budhipadar end:- D/P operated, Distance trip, Zone 1trip, Fault loop-Bph to E , Fault distance- 11.46km, IL1-1.57kA	-	-	-	-	-	-	-
245	Balasore	15.08.22	12:35	16.08.22 11:33:00	22:58	220kV Balasore - NewDuburi feeder	At Balasore end:- Main-I: B-N, Zone-2, fault distance-118.4km, fault current-Ia=110.4A, Ib=1.266kA, Ic=37.52A, Main-II: Fault Loop-L2-N, Zone-1, Dist-115.12km, Fault current IL1=94.99A, IL2=1373.78A, IL3=22.08A At New Duburi end:- Main-I: Y-ph Trip, Zone-1, fault distance-18.7km, fault current- Iy=6.77kA, Main-II: Y-ph Trip, Zone-1, Dist-17.49km, Fault current Iy=6.954kA [At Loc no.43,Y-ph insulator string punctured.and One number of B-ph insulator damaged.]	-	-	-	-	-	-	-
246	Meramundali	15.08.22	13:00	16:21	03:21	132kV Meramundali - Kharagprasad ckt-II	At Meramundali end:- R-E, IR=1.58kA, DP Relay not optd At Kharagprasad end:- R-E, IR=341 A	-	-	-	-	-	-	-
247	Polasponga	15.08.22	14:09	14:12	00:03	132kV Polasponga - Railway feeder	Back up relay- O/C (R-PH) Ia=246.5A, Ib=143.0A, Ic=116.9A, Inm=7.4A, Ind=5.9A	Polasponga Tr.	00:03	-	-	0.0002068	-	-
248	Kamakhyanagar	15.08.22	20:23	20:31	00:08	132kV OPCL - Kamakhyanagar feeder	3 ph trip	-	-	-	-	-	-	-
249	Meramundali	15.08.22	20:59	21:19	00:20	220kV Meramundali - TATA BSL ckt-I	B/U, R-E, IR= 10.17kA	-	-	-	-	-	-	-
250	Sonepur	16.08.22	00:34	00:39	00:05	132kV Sonepur - Boudh feeder	Tripped at Sonepur end	Boudh	00:05	-	-	0.000464	-	-
251	Telkoi	16.08.22	10:37	11:15	00:38	220kV Telkoi - TTPS feeder	DP operated. Ia=64.35A, Ib=106.5A, Ic=1.128kA, Zone-I, Distance-22.82km	-	-	-	-	-	-	-

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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
252	Bhadrak	16.08.22	10:42	11:12	00:30	132kV Bhadrak - DPCL ckt-I	At Bhadrak end:- Zone-I, Fault location=11.87km, IA=5.72kA, IB=5.62kA, IC=53.9A At DPCL end:- No tripping	-	-	-	-	-	-	-
253	Bhanjanagar	16.08.22	11:22	11:30	00:08	220kV Bhajanagar - Therubali ckt-II	At Bhanjanagar end:- A/R successful At Therubali end:- C-N, Zone-1, Dist-126.7km, IC-1.48kA	-	-	-	-	-	-	-
254	Balasore	16.08.22	11:42	19:07	07:25	220kV Balasore - NewDuburi feeder	At Balasore end:- Main-I: B-N, Zone-1, fault distance-4.206km, fault current-Ia=289.2A, Ib=6.813kA, Ic=343.2A, Main-II: Fault Loop-L2-N, Zone-1, Dist-3.9494km, Fault current IL1=289.01A, IL2=6869.4A, IL3=341.68A [At Loc no.434,Y-ph insulator string snapped.] At New Duburi end:- Main-I: Y-ph P/U, E/F P/U Main-II: Y-ph Trip, Zone-2, Dist-144.2km, Fault current Iy=1.345kA	-	-	-	-	-	-	-
255	Balugaon	16.08.22	18:12	18:18	00:06	132kV Balugaon - Solari Traction feeder	Tripped on Y-Ph E/F, Zone-1, Dist-6.67km, IR=0A, IY=1516A, IB=70A, IN=1549A	Solari Tr.	00:06	-	-	0.000378	-	-
256	Boudh	17.08.22	00:38	00:45	00:07	132kV Boudh - Sonepur feeder	Distance Protection (Zone 1)	Boudh	00:07	-	-	0.000649	-	-
257	Mania	17.08.22	01:18	01:19	00:01	132kV OCL - Mania feeder	No Indication	-	0	-	-	-	-	-
258	Pattamundai	17.08.22	09:21	09:29	00:08	132kV Pattamundai - Rajnagar ckt-I	132 KV P/S failed from 132/33 KV GSS at Patamundai (source) end	Olaver, Rajnagar, Chandbali	00:08	-	-	0.001552	-	-
			09:21	09:29	00:08	132kV Pattamundai - Rajnagar ckt-II								
			09:21	09:29	00:08	Olaver -Chandbali Line 1 & Line 2	Source failure							
259	Rengali	17.08.22	13:41	14:15	00:34	220kV TTPS - Rengali feeder	At Rengali end:- DP, Dist-19.56km, B-ph to E, Ib=460.5A	-	-	-	-	-	-	-
260	Lapanga	17.08.22	13:45	14:29	00:44	132kV Lapanga - Burla feeder	Tripped from Burla power house end due to water vapour ionization of R & Y ph.	-	-	-	-	-	-	-
			13:45	14:36	00:51	132kV Lapanga - Hirakud feeder								
261	Jayanagar	17.08.22	15:32	16:02	00:30	220kV Jayanagar - Laxmipur ckt-I	Zone-1, B-G, F.C-6.558kA, Dist-15.75km	-	-	-	-	-	-	-
262	Pattamundai	17.08.22	17:42	17:46	00:04	132kV Pattamundai - Rajnagar ckt-I	132 KV P/S failed from 132/33 KV GSS at Patamundai (source) end	Olaver, Rajnagar, Chandbali	00:04	-	-	0.000776	-	-
			17:42	17:46	00:04	132kV Pattamundai - Rajnagar ckt-II								
			17:42	17:45	00:03	Olaver -Chandbali Line 1 & Line 2	Source failure							
263	Budhipadar	17.08.22	18:41	19:27	00:46	132kV Budhipadar - MCL Ckt-II	At Budhipadar end:- D/P operated, Distance trip, Zone 1trip, Fault loop-Rph-Y-ph to E , Fault distance-6.685km, IL1-9.480kA, IL2=5.839kA	-	-	-	-	-	-	-

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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
			19:39	18.08.22 17:35:00	21:58	132kV Budhipadar - MCL Ckt-II	H/T-R-ph jumper snapped at Loc 27.							
264	Balasore	17.08.22	20:06	18.08.22 19:51:00	23:45	220kV Balasore-PGCIL Ckt-II	At Balasore end:- 1st fault: Main-1: B-N, Zone-1, Dist-39.72km, fault current-Ia=243.9A, Ib=1.367kA, Ic=15.74A. Main-2: B-N, Zone-1, Dist-39.75Km, fault current-Ia=245.2A, Ib=1.381kA, Ic=15.52A. 2nd Fault: Main-1: B-N, SOTF, 49.32km, Zone-1, fault current-Ia=26.42A, Ib=2.689kA, Ic=20.74A. Main-2: B-N, SOTF, Dist-49.39km, Zone-1, fault current-Ia=27.04A, Ib=2.696kA, Ic=21.68A. At Kuchei end:- Main-I : Y-B-N, Zone-I, fault current:- Iy-7.802kA, Ib-6.457kA, dist-17.97km, Main-2: Y-B-N, Zone-I, fault current:Iy-6.457kA, Ib-7.802kA, Dist-17.7km [At Loc no.81,B-ph conductor (top) was snapped and fell in ground.]	-	-	-	-	-	-	-
265	Bhadrak	18.08.22	08:10	11:40	03:30	220kV Bhadrak - Balasore feeder	At Bhadrak end:- Active group-I, Zone-I, started phase AN, Fault distance=11.14km, IA=3.49kA, IB=188.9A, IC=363.4 A At Balasore end:- Zone-II, R-phase tripped, fault distance=81.88km, IA=1.377kA, IB=156A, IC=363A	-	-	-	-	-	-	-
266	Kuchinda	18.08.22	12:11	12:19	00:08	132kV Kuchinda - SMC feeder	Tripped phase-AN, Zone-1, Fault loc-7.98ohm, Ia=195A, Ib=74.2A, Ic=183.8A, Van=5.1kV, Vbn=89.8kV, Vcn=85.8kV	Kuchinda	00:08	-	-	0.001515	-	-
267	Laxmipur	18.08.22	15:39	16:02	00:23	220kV Laxmipur - Jayanagar ckt-I	B-Phase E/f,If-6.5KA,Z-1, Dist-15.7 km	-	-	-	-	-	-	-
268	Muniguda	18.08.22	20:21	20:23	00:02	132kV Muniguda - RTSS feeder	Tripped on O/C Ia=264.4A, Ib=262.0A	Muniguda Tr.	00:02	-	-	0.000199	-	-
269	Pottangi	19.08.22	06:08	06:29	00:21	132kV Pottangi - Sunabeda feeder	P/S fail at Sunabeda end	-	-	-	-	-	-	-
270	Jayanagar	19.08.22	06:10	06:27	00:17	132kV Jayanagar - Sunabeda feeder	Zone-1, R-Y, Dist-19.75km, Ir-4.47kA, Iy-4.6kA	-	-	-	-	-	-	-
271	Jayanagar	19.08.22	06:35	06:55	00:20	132kV Jayanagar - Railway feeder	Zone-1, Y-B-G, Dist-59.5km, Iy-2.16kA, Ib-2.18kA	Jayanagar Tr.	00:20	-	-	0.002602	-	-

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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
272	Balasore	19.08.22	08:08	11:40	03:32	220kV Balasore - Bhadrak feeder	At Balasore end:- 1st fault: Main-1: A-N, Dist-81.88km, Zone-2, fault current-Ia=1.377kA, Ib=156.0A, Ic=363.0A. Main-2: A-N, dist-120.24km, Zone-2, fault current-Ia=1456.38A, Ib=163.56A, Ic=370.84A. 2nd Fault: Main-1: A-N, SOTF, Dist.-79.42km, Zone-2, fault current-Ia=1.447kA, Ib=160.9A, Ic=373.4A. Main-2: A-N, SOTF, Dist= - 1.00km, Zone-2, fault current-Ia=1560.53A, Ib=62.78A, Ic=190.54A. At Bhadrak end:- Main-I : SOTF, A/R operated, A-N, Zone-I, fault current: Ia-3.445kA, Ib-188.9A, Ic-373.4A, Dist-11.14km. Main-2: A/R operated, A-N, Zone-I, fault current: Ia-3.506kA, Ib-187.4A, Ic-373.5A, Dist-10.97km	-	-	-	-	-	-	-
273	Salipur	19.08.22	15:36	15:39	00:03	132kV ICCL - Salipur Ckt-II	Incoming Failed from ICCL end	Salipur, OCL Mania	00:03 00:08	-	-	0.00233	-	-
			15:36	20.08.22 09:29:00	17:53	132kV OCL - Salipur Ckt-I	DP Relay operated [Insulator string punctured at Loc. No. 90(R-phase) of 132kV OCL-Salipur Ckt-I.]							
274	Salipur	19.08.22	15:36	15:46	00:10	132kV OCL - Mania feeder	R-ph to Ground fault	Salipur	00:03	-	-	0.001503	-	-
			15:51	15:54	00:03	132kV ICCL - Salipur Ckt-II	DP Relay operated on 132kV OCL-Salipur Ckt-I Panel [Tripped while attempting to charge]							
275	Baripada	20.08.22	02:45	03:12	00:27	132kV Baripada - Betnoti feeder	At Betnoti end:- Started phase -BC ,Tripped phase-ABC, Zone -I, Distance-8.33km, IA = 62.15A, IB=914A, IC=993.9A, VAN=80.6kV, VBN=44.19kV, VCN=36.12kV. At Baripada end:- No tripping	Baripada	00:27	-	-	0.009213	-	-
			02:45	03:37	00:52	132kV Baripada(OPTCL) - Baripada(PGCIL) feeder	At Baripada(PGCIL) end:- DP relay P/U. Tripped on directional O/C trip. IR=0.07kA, IY=3.75kA, IB=3.67kA At Baripada end:- No tripping							
276	Polasponga	20.08.22	03:09	03:20	00:11	132kV Polasponga - Joda feeder	Back up relay- E/F, CG T Ia=151.6A, Ib=145.2A, Ic=674.0A, In = 0.19A, Ig= 555.24A	Palasponga Palasponga Tr. ESIL,MSP,OSISL	00:27	-	-	0.018936	-	-

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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
			03:20	03:36	00:16		Back up relay- E/F, CG T Ia=9.6A, Ib=75.4A, Ic=682.4A,In = 0.04A, Ig= 609.09A							
277	Rourkela	20.08.22	04:56	05:08	00:12	132kV Rourkela - BK steel feeder	DP & M/T relay indication DP relay details:- loc=38.14km, Zone-1, event =ABT, Fault current details:- IA= 3000A, IB=3132 A, IC=57 A, IN=0 A, IG=244 A [Heavy raining,lightning occurred]	Bhalulata RTSS, BK Steel	00:12	-	-	0.000364	-	-
278	Baripada	20.08.22	05:06	05:40	00:34	132kV Baripada(OPTCL) - Baripada(PGCIL) feeder	At Baripada(PGCIL) end:- O/C B/U relay operated. IR=0.00kA, IY=3.74kA, IB=3.68kA At Baripada end:- No tripping	Baripada	00:34	-	-	0.011602	-	-
			05:06	05:41	00:35	132kV Baripada - Betnoti feeder	At Betnoti end:- Started phase -BC , Tripped phase-ABC, Zone -I, Dist- 5.736km, IA = 67.14A, IB=918.8A, IC=1.005A, VAN=80.31kV, VBN=44.74kV, VCN=36.9kV At Baripada end:- No tripping							
279	Rourkela	20.08.22	05:28	21.08.22 11:46:00	30:18	132kV Rourkela - BK steel feeder	DP & M/T relay indication DP relay details:- loc=39.47km, Zone-1, event =ABT, Fault current details:- IA=2847A, IB=2894 A, IC=41 A, IN=0 A, IG=226 A	Bhalulata RTSS, BK Steel	30:18:00	-	-	0.055107	-	-
280	Karanjia	20.08.22	07:08	16:31	09:23	132kV Karanjia - Polasponga feeder	At Karanjia end:- DP relay: Zone-1, Distance=13.3km, Rsec=21.6ohm, Rpri=10.54ohm, Xsec=1.83ohm, Xpri=5.50ohm At Polasponga end:- DP relay: Zone-2, Ia=175.2A, Ib=252.9A, Ic=744.6A	-	-	-	-	-	-	-
281	Rairangpur	20.08.22	07:12	07:34	00:22	132kV Rairangpur - Karanjia feeder	At Rairangpur end:- Zone-2, Dist=74.34 km, IL1=175.2A, IL2=252.9A, IL3=744.6A	Karanjia Dhenkikote	00:22	-	-	0.006718	-	-
282	Jayanagar	20.08.22	09:09	09:20	00:11	132kV Jayanagar - Railway feeder	Zone-1, Y-G, Dist-17.06km, ly-3.65kA	Jayanagar Tr.	00:11	-	-	0.001431	-	-
283	Jharsuguda	21.08.22	07:56	08:06	00:10	132kV Jharsuguda - Railway feeder	O/C RYB Phase and E/F	Jharsuguda Tr.	00:10	-	-	0.002394	-	-
284	Chhend	21.08.22	11:32	11:34	00:02	132kV Chhend - Nuagaon Traction feeder	Tripped O/C IL1=0.22KA , IL2=0.21KA , IL3=0KA	Nuagaon Tr.	00:02	-	-	0.000138	-	-
285	Jayanagar	21.08.22	11:57	12:01	00:04	132kV Jayanagar - Podagada feeder	R-Y, F.C-605A	-	-	-	-	-	-	-
286	Tarkera	21.08.22	15:03	21.08.22 21:46:00	06:43	220kV Tarkera - Bonai feeder	MT	-	-	-	-	-	-	-
			15:03	21.08.22 21:46:00	06:43	220 kV Tarkera - Rengali ckt-II								

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
287	Dhenkanal	21.08.22	18:13	20:41	02:28	132kV Dhenkanal - Joranda road Traction feeder	At Dhenkanal end:- DP Relay Operated, A-C-N Fault loop, Zone-1, Dist- 2.4km, Ia = 6.19kA, Ic = 7.04kA	Joranda Tr. Dhenkanal Nerveram	02:28 00:05			0.02275		
			18:13	18:18	00:05	132kV Khajuriakata - Dhenkanal - Nuapatna T line	At Khajuriakata end:- Z-1, Dist-49.2 km, Ia-1425 A, Ib-128 A, Ic-978 A, Fault-R-B-N At Dhenkanal end:- Z-1, Dist-2.4 km, Ir-6194A, Ib-7041 A, Fault Type-R-B-N At Nuapatna end:- H/T Condition			-	-		-	-
288	Shamuka	21.08.22	19:10	19:44	00:34	132kV Atri - Shamuka feeder	At Shamuka end:- Breaker didn't trip At Atri end:- Dist-8.04km, Zone-1, R-B-N, Ir= 7.5kA, Ib=7.7kA [Thudestorm and lightening at Atri end]	Shamuka	00:34	-	-	0.010074	-	-
289	Duburi	21.08.22	20:08	20:42	00:34	132KV Duburi - RTSS Jakhapura Circuit	DP operated	Jakhapura Tr.	00:34	-	-	0.005814	-	-
290	Kamakhyanagar	21.08.22	21:13	21:28	00:15	132kV OPCL - Kamakhyanagar feeder	3 ph trip	-	-	-	-	-	-	-
291	Kamakhyanagar	22.08.22	03:02	03:07	00:05	132kV OPCL - Kamakhyanagar feeder	3 ph trip	-	-	-	-	-	-	-
292	Tarkera	22.08.22	05:08	23.08.22 22:16:00	17:08	220kV Tarkera - Bonai feeder	MT	-	-	-	-	-	-	-
			05:08	23.08.22 22:16:00	17:08	220kV Tarkera - Rengali feeder		-	-	-	-	-	-	-
293	Dhenkanal	22.08.22	09:37	15:28	05:51	132kV Dhenkanal - Joranda road Traction feeder	At Dhenkanal end:- DP Relay Operated, A-N Fault loop, Zone-1, Dist- 2.4km, Ir = 3.2kA [R-ph Insultor puncture at Loc no-10]	Joranda Tr.	05:51	-	-	0.046896	-	-
294	Angul	22.08.22	09:59	10:09	00:10	132kV Chainpal - Angul feeder	At Angul end:- Tripped on DP Relay, Fault loop-L3N, Fault current -1.8kA, Fault abs. distance-12.03km At Chainpal end:- Tripped on Distance protection in Z1, fault distance 2.82km, fault loop L3N, fault current 11.28kA	-	-	-	-	-	-	-
295	Pattamundai	22.08.22	10:02	10:09	00:07	132kV Pattamundai - Rajnagar ckt-I	132 KV P/S failed from 132/33 KV GSS at Patamundai (source) end	Rajnagar Olaver Chandbali	00:10	-	-	0.001941	-	-
			13:06	13:09	00:03									
			13:06	13:09	00:03	132kV Pattamundai - Rajnagar ckt-II								
			10:02	10:09	00:07									
			13:06	13:08	00:02	Olaver -Chandbali Line 1 & Line 2								
			10:02	10:10	00:08									

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	1	2	3	4	5	6	7	8	9	10	11	12	13	14
296	Bhograi	22.08.22	15:01	15:33	00:32	132kV Bhograi - Kuchei feeder	At Bhograi end:- DP, Rph-E, Zone-1, Dist-19.1km, Ir-1.35kA, IY-0.115kA, Ib-0.233kA At Kuchei end:- DP, Zone-1, R ph -E, Dist-59.74km, IR 1.39kA	-	-	-	-	-	-	-
297	Polasponga	22.08.22	19:05	19:07	00:02	132kV Polasponga - Railway feeder	Back up relay- O/C (R-PH) Ia=243.17A, Ib=208.8A, Ic=44.8A,Inm = 6.94A, Ind= 6.749A	Polasponga Tr.	00:02	-	-	0.0001379	-	-
298	Polasponga	23.08.22	10:13	10:17	00:04	132kV Polasponga - Railway feeder	Back up relay- O/C (R-PH) Ia=239.9A, Ib=218.5A, Ic=34.4A,Inm = 6.939A, Ind= 5.083A	Polasponga Tr.	00:06	-	-	0.000414	-	-
			12:48	12:50	00:02		Back up relay- O/C (R-PH) Ia=239.9.1A, Ib=215.5A, Ic=40.38A,Inm = 6.938A, Ind= 5.185A							
299	Boudh	23.08.22	11:36	12:19	00:43	132kV Boudh - Sonepur feeder	feeder tripped at Sonepur end	Sonepur Boudh	00:43	-	-	0.028587	-	-
			11:37	12:17	00:40	132kV Bolangir - Sonpur Incomer	Tripped from New Bolangir end							
300	RML Karakhendra	24.08.22	05:00	05:13	00:13	132kV RML Karakhendra - Arya feeder	132kV Incoming supply failed from Arya side due to Micom relay failed & Distance protection relay trip at Arya plant.	RML Karakhendra	00:13	-	-	7.29E-05	-	-
301	Budhipadar	24.08.22	05:56	06:33	00:37	132kV Budhipadar- Kalunga feeder	At Budhipadar end:- D/P operated, Distance trip, Zone 1 trip, Fault loop-Rph to B-ph , Fault distance- 82.939km(82.12%), IL1-1.867kA, IL2-1.817kA, IL3-2.041kA, Master trip operated At Kalunga end:- DP Relay- Tripped Phase- R-Y-B, SOTF Trip, Fault Duration- 1.640 ms, Ir-0 A, Iy-0 A, Ib-0 A	Kalunga	00:12	-	-	0.00986	-	-
			05:56	06:08	00:12	132 kV Tarkera - Kalunga feeder	O/C :- R-ph & B-ph							
			06:28	22:19	15:51	220kV Tarkera - Bonai feeder	MT							
302	Tarkera	24.08.22	07:04	22:19	15:15	220 kV Tarkera - Rengali ckt-II		-	-	-	-	-	-	-
			06:39	06:51	00:12	132kV Paradeep - PPL ckt-I	O/C R Phase IL1=6.05kA, IL2=0.02kA, IL3=0.0kA	-	-	-	-	-	-	-
303	Paradeep	24.08.22	06:39	06:51	00:12	132kV Paradeep - PPL ckt-I	O/C R Phase IL1=6.05kA, IL2=0.02kA, IL3=0.0kA	-	-	-	-	-	-	-
304	Mania	24.08.22	09:28	09:43	00:15	132kV Mania - ICCL feeder	Incomer failed	Mania	00:15	-	-	0.001551	-	-
305	Nuapada	24.08.22	11:05	11:09	00:04	132kV Khariar - Nuapada feeder	At Nuapada end:- DP operated, Zone-1, Distance=26.34km, Ia=16.23A, Ib=16.45A, Ic=577A	-	-	-	-	-	-	-

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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
306	Marshaghai	24.08.22	11:06	11:19	00:13	132kV Marshaghai - RTSS Kendrapara feeder	O/C R phase, B phase pick up. DP relay data-General Trip SOF operated. fault current IL1-0.49kA ,IL3-0.49kA	Kendrapara Tr.	00:13	-	-	0.000421	-	-
307	Angul	24.08.22	12:10	12:45	00:35	132kV TTPS - Angul feeder	Tripped on DP Relay at TTPS end [132kV Chaipal-Angul under L/C]	Angul, MCL	00:35	-	-	0.028582	-	-
308	Jayanagar	24.08.22	14:40	14:52	00:12	132kV Jayanagar - Machkund feeder	Due to the tripping of #Unit 5 of Machhkund	-	-	-	-	-	-	-
309	Mania	24.08.22	17:38	25.08.22 06:12:00	12:34	132kV Mania - ICCL feeder	R-ph to Ground fault	Mania	00:16	-	-	0.001655	-	-
310	Budhipadar	24.08.22	18:16	19:02	00:46	220kV Budhipadar - Rajgangpur feeder	At Budhipadar end:- D/P operated, Distance trip, Zone 3 trip, Fault loop-Rph to E , Fault distance- 59.8km(73%), IL1-1.498kA, In-1.362kA, Master trip operated At Rajgangpur end:- D/P operated, Distance trip , Zone 1 trip, Fault loop-Rph to E , Fault distance- 17.86km, IL1-2.769kA, In-2.918	-	-	-	-	-	-	-
311	Tarkera	25.08.22	06:22	26.08.22 13:14:00	30:52	220kV Tarkera - Bonai feeder	MT	-	-	-	-	-	-	-
			06:22	26.08.22 13:15:00	30:53	220kV Tarkera - Rengali feeder								
312	Therubali	25.08.22	08:51	09:48	00:57	220kV Therubali - Indravati Ckt-II	At Therubali end:- Z-1, C-N, Dist- 11.5km, Ia=197.38A, Ib=132.1A, Ic= 5.7 kA At Indravati end:- Z-1, C-N, Dist-70km, Ic= 1.41 kA	-	-	-	-	-	-	-
313	Salipur	25.08.22	10:56	11:17	00:21	132kV ICCL - Salipur Ckt-II	Backup & Master Trip Relay operated [LA burst at 132/33kV Grid Sub-station,Bahugram.]	Salipur, Mania & OCL	00:21	-	-	0.012693	-	-
			10:57	11:18	00:21	132kV OCL - Mania feeder	Incomer failed							
314	Puri	25.08.22	14:56	15:10	00:14	132kV Puri - Shamuka feeder	Tripped due to Y-ph breaker limb burst of 33KV Bus Coupler	Puri	00:14	-	-	0.006163	-	-
315	Therubali	26.08.22	09:51	13:01	03:10	220kV Therubali - Indravati Ckt-III	At Therubali end:- Z-1, C-N, Dist- 10.06km, Ia=165 A, Ib=296 A, Ic= 6.1 kA At Indravati end:- Z-1, C-N, Dist- 70.22km, Ic= 1.416 kA	-	-	-	-	-	-	-
316	Jharsuguda	26.08.22	10:17	10:20	00:03	132kV Jharsuguda - Railway feeder	O/C RYB Phase and E/F	Jharsuguda Tr.	00:03	-	-	0.000718	-	-

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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
317	Bhograi	26.08.22	12:26	12:45	00:19	132kV Bhograi - Kuchei feeder	At Bhograi end:- DP, Rph-E, Zone-1, Dist-52.6km, Ir=0.829kA, IY=0.056kA, Ib=0.137kA At Kuchei end:- DP, Zone-1, Rph-E, Dist-30.64km, IR=2.207kA	-	-	-	-	-	-	-
318	Polasponga	26.08.22	12:28	12:30	00:02	132kV Polasponga - Railway feeder	Back up relay- O/C (R-PH) Ia=241.1A, Ib=197.9A, Ic=49.95A,Inm = 5.913A, Ind= 6.829A	Polasponga Tr.	00:02	-	-	0.0001379	-	-
319	Mania	26.08.22	12:29	13:05	00:36	132kV Mania - ICCL feeder	R-ph to Ground fault	Mania	00:20	-	-	0.002068	-	-
320	Therubali	27.08.22	12:30	12:56	00:26	220kV Therubali - Gunpur Ckt-I	At Therubali end:- Z-1, AGT, Dist-9.91km, Ia=6.1kA At Gunupur end:- Z-1, AGT, Dist-52.56km, Ia=1.1kA	-	-	-	-	-	-	-
321	TTPS	27.08.22	14:46	28.08.22 00:43:00	09:57	220kV TTPS - Kaniha feeder	At TTPS end:- DP, Zone-1, Dist-19.35km, If=3.96kA, R-ph to E At Kaniha end:- DP, Zone-1, Dist-18.9km, If=5.19kA, Rph to E [problem in breaker at Kaniha end.]	-	-	-	-	-	-	-
322	Tarkera	28.08.22	08:49	20:17	11:28	220kV Tarkera - Bonai feeder	MT	-	-	-	-	-	-	-
			08:49	20:17	11:28	220kV Tarkera - Rengali feeder		-	-	-	-	-	-	-
323	Laxmipur	28.08.22	11:06	11:10	00:04	220kV Laxmipur - Aditya ckt-II	B-Phase E/f,If=1.44KA, Dist=30.2km	-	-	-	-	-	-	-
324	Bhanjanagar	28.08.22	12:02	12:08	00:06	220kV Bhajanagar - Therubali ckt-II	At Bhanjanagar end:- C-N, Zone-1, Dist-127.8km, IC=0.95kA At Therubali end:- Z-1, C-N, 69.33km, Ia=1.99kA	-	-	-	-	-	-	-
325	Therubali	28.08.22	12:23	12:33	00:10	220kV Therubali - Gunpur Ckt-I	At Therubali end:- Zone-1, AGT, Dist-33.82km, Ia=2.6kA At Gunupur end:- Z-1, R-N, Dist-52.64km, Ia=1.2 kA	-	-	-	-	-	-	-
326	Bhanjanagar	28.08.22	12:34	12:55	00:21	220kV Bhajanagar - Nayagarh feeder	C-N, Zone-1, Dist=40.5km, IC=2.14kA	-	-	-	-	-	-	-
327	Nimapara	28.08.22	14:10	14:11	00:01	132kV Nimapara - Puri feeder	Z1 ,Phase-CN,D=18.49 KM Ia=6.295 A, Ib=6.884 A , Ic=2.336 KA	-	-	-	-	-	-	-
328	Jayanagar	28.08.22	14:30	14:42	00:12	132kV Jayanagar - Railway feeder	Zone-1, R-G, Dist=72km, Ir-1.16kA	Jayanagar Tr.	00:12	-	-	0.001561	-	-
329	Jayanagar	28.08.22	14:34	14:50	00:16	132kV Jayanagar - Podagada feeder	R-B-G, Zone-2, Dist=31km, Ir-1.2kA, Ib-1.3kA	-	-	-	-	-	-	-
330	Jayanagar	28.08.22	15:34	15:40	00:06	132kV Jayanagar - Tentulikhunti ckt-I	E/F, Zone-1, Dist=2.3km, R-G, F.C=7.5kA	-	-	-	-	-	-	-
331	Paradeep	29.08.22	08:26	08:36	00:10	132kV Paradeep - IFFCO ckt-II	O/C, RYB-PH , IR=0.85kA, IY=0.85kA, IB=0.86kA	-	-	-	-	-	-	-
332	Narendrapur	29.08.22	08:48	30.08.22 15:54:00	31:06	220kV Narendrapur - Atri ckt-I	Y-ph to E, Y-ph insulator at Loc no 93 snapped and B-ph crossarm damaged	-	-	-	-	-	-	-
333	Chatrapur	29.08.22	17:22	17:26	00:04	132kV Chatrapur - Rambha Traction feeder	O/C(Y,R Phase), with M/R IR=0.25KA,IY=0.25kA	Rambha Tr	00:04	-	-	0.000339	-	-

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
334	Chandikhol	29.08.22	18:17	20:20	02:03	132kV Chandikhol - Jajpur Road ckt-I	At Chandikhol end:- Tripped with DP relay Indication of Zone-1, R-Ph, Dist-24.4km, If=0.19kA At Jajpur Road end:- DP Relay optd, Fault Current: IA=3.847kA, IB=135.0A, IC=282.1A, Fault Voltage: VAN=46.33kV, VBN=78.45kV, VCN=78.13kV, Zone-I, Fault Resistance=1.437Ω, Dist=16.44km	-	00:08	-	-	-	-	-
335	Rajnagar	29.08.22	22:40	22:43	00:03	132kV Pattamundai - Rajnagar ckt-I	132 KV P/S failed from 132/33 KV GSS at Patamundai (source) end	Olaver, Rajnagar Chandbali	00:08	-	-	0.001552	-	-
			23:53	23:58	00:05									
			22:40	22:43	00:03	132kV Pattamundai - Rajnagar ckt-II								
			23:53	23:58	00:05									
			22:40	22:43	00:03	Olaver -Chandbali Line 1 & Line 2								
			23:53	23:57	00:04									
336	Paradeep	30.08.22	02:33	03:26	00:53	220kV New Duburi ckt-I & II	Z-4, D-0.7km, Due to failure of Section isolators B ph clamp of 220kV Bus -II [Failure of Section isolators B ph clamp of 220kV Bus -II & Heavy rainfall at Paradeep end.]	Paradeep, PPT,PPL, IFFCO, Sijua Tr. } Tirtol, Kendrapara, Marshaghai, Pattamundai, Olaver Rajnagar }	00:39 00:24 00:18 00:24 00:32	-	-	0.05931	-	-
			02:47	03:30	00:43	132kV Paradeep - Tirtol feeder	P/S fail							
			02:47	03:11	00:24	132kV Tirtol - Jagatsinghpur feeder	P/S fail							
			02:47	03:19	00:32	132kV Olaver -Chandbali Line 1 & Line 2	Source failure							
			02:47	03:18	00:31	132kV Pattamundai - Rajnagar ckt-I	132 KV P/S failed from 132/33 KV GSS at Patamundai (source) end							
			02:47	03:18	00:31	132kV Pattamundai - Rajnagar ckt-II	132 KV P/S failed from 132/33 KV GSS at Patamundai (source) end							
			02:48	03:29	00:41	132kV Chandikhol - Kendrapara ckt-I	220KV New Duburi-Paradeep ckt-I & ckt-II tripped due to snapping of B-Ph Jumper at Paradeep end.							
337	Bhadrak	30.08.22	10:30	14:09	00:39	132kV Bhadrak - DPCL ckt-I	At Bhadrak end:- Tripped phase AN, Fault distance=45.23km, Zone-I, IA=2kA, IB=149.5A, IC=310.9A At DPCL end:- No tripping	DPCL	00:39	-	-	0.004863	-	-
338	Kalunga	30.08.22	10:46	11:23	00:37	132kV Budhipadar- Kalunga feeder	At Budhipadar end:- D/P operated, Distance trip, R-Y-Bph trip, Zone 2 trip, Fault loop- Yph to E, Fault distance=- 1.0km(-10.0000.00%), IL2-730A, Master trip operated	Kalunga	00:12	-	-	0.00986	-	-
			10:47	10:59	00:12	132 kV Tarkera - Kalunga feeder	DP Operated, Zone-1, Loop:- L2N, Dist-1km, IL2 = 1.47kA, IN = 1.43kA, MT 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
339	Barbil	30.08.22	11:02	11:03	00:01	132kV Barbil - Bolani feeder	Tripped only at Rourkela Grid S/S due to O/C with following relay indications. At Rourkela end:- Fault- O/C, Relay- M/T, Fault Current:- Ia= 308.3A, Ib= 182.3A, Ic= 400.3A, In= 31.16A	Barbil, Bolani, Arya Steel, BRPL, Karakhendra , Nalda, Beekay steel Bhalulata RTSS	00:01	-	-	0.000725	-	-
			11:02	11:03	00:01	132kV Bolani - Arya feeder	Source failure at Rourkela grid s/s end with O/C.							
			11:02	11:03	00:01	132kV Rourkela - Joda feeder	O/C & M/T relay indication, Fault current details:- IA=308.3 A, IB=182.3 A, IC=400.3 A, IN=31.16 A							
340	RML Karakhendra	30.08.22	12:30	13:13	00:43	132kV RML Karakhendra - Nalda feeder	132kV Nalda feeder Side power supply cut from Rourkela end and again available from Joda end.	Nalda Tr.	00:39	-	-	0.004864	-	-
341	Barbil	30.08.22	12:33	12:53	00:20	132kV Barbil - Bolani feeder	Tripped only at Rourkela Grid S/S due to O/C with following relay indications. At Rourkela end:- Fault- O/C, Relay- M/T, Fault Current:- Ia= 305.3A, Ib= 187.6A, Ic= 401.3A, In= 32.82A	Barbil, Bolani, Arya Steel, BRPL, Karakhendra , Nalda, Beekay steel Bhalulata RTSS	00:20	-	-	0.014506	-	-
			12:33	12:49	00:16	132kV Rourkela - Joda feeder	O/C & M/T relay indication, Fault current details:- IA=305.3 A, IB=187.6 A, IC=401.3 A, IN=32.82 A							
			12:34	12:53	00:19	132kV Bolani - Arya feeder	Source failure at Rourkela grid s/s end.							
342	Nuapada	30.08.22	12:33	19:11	06:38	132kV Nuapada - Padampur feeder	At Padampur end:- DP operated, Zone- 1, Distance=26.34km, Ia=80.14A, Ib=1.399kA, Ic=1.312kA	Nuapada, Nuapada Tr.	00:45	-	-	0.009201	-	-
343	Kesura	30.08.22	16:12	18:58	02:46	132kV Kesura - Pratapsasan feeder	At Kesura end:- Pratapsasan fdr's DP relay's Contact malfunctioned and affected Trip circuit Supervision. Fdr tripped with no relay indication and no line fault. In the mean time supply was resumed from 132kV Ranasinghpur fdr (at 16:14hrs) Pre fault data: 31MW, Post fault data: 27MW At Pratapsasan end:- No tripping	-	-	-	-	-	-	-
344	RML Karakhendra	30.08.22	17:14	31.08.22 11:10:00	17:56	132kV RML Karakhendra - Nalda feeder	132kV Incoming supply failed from Rourkela end due to over voltage.	-	-	-	-	-	-	-
345	Nuapada	31.08.22	09:52	16:44	06:52	132kV Nuapada - Padampur feeder	At Padampur end:- DP operated, Zone- 1, Distance=29.93km, Ia=91.33A, Ib=1.434kA, Ic=1.439kA	Nuapada, Nuapada Tr.	00:40	-	-	0.008179	-	-

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
346	Lapanga	31.08.22	11:14	16:10	04:56	400kV Lapanga - Meramundali ckt-II	At Lapanga end:- Rph-G, Dist-5.4km, Zone-1, IL1-20.04kA At Meramundali end:- Main 1: R-E, IR=2.29kA, Dist-135.2km, Zone-1, Main 2: R-E, IR=2.21kA, Dist-134.9km, Zone-1B A/R Unsuccessful [Bamboo tree found under induction between Loc 551 & 550.]	-	-	-	-	-	-	-
347	Therubali	31.08.22	13:18	14:21	01:03	220kV Therubali - Indravati Ckt-II	At Therubali end:- L3-N, Z-1, Dist-15.28km, Ic= 2.6 kA At Indravati end:- C-N, Z-1, Dist-70km, Ic=1.45kA	-	-	-	-	-	-	-
348	Polasponga	31.08.22	16:30	16:33	00:03	132kV Polasponga - Railway feeder	Back up relay- O/C (R-PH) Ia=240.8A, Ib=218.7A, Ic=40.09A,Inm = 6.612A, Ind= 4.663A	Polasponga Tr.	00:03	-	-	0.0002068	-	-
349	Pattamundai	01.09.22	07:46	08:00	00:14	132kV Olaver - Chandbali ckt-I & II	Source Fail	Pattamundai Olaver Chandbali Rajnagar	00:14	-	-	0.006616	-	-
			07:47	08:00	00:13	132kV Pattamundai - Kendrapada feeder	O/C, R-ph-Tripped due to tripping of 33kV Aul feeder which was tripped on E/F(R & Y ph)							
			07:46	08:01	00:15	132kV Pattamundai - Rajnagar ckt-I	132kV P/S failed from 132/33 KV GSS at Pattamundai (source) end.							
			07:46	08:01	00:15	132kV Pattamundai - Rajnagar ckt-II	132kV P/S failed from 132/33 KV GSS at Pattamundai (source) end.							
350	Nuapada	01.09.22	09:17	09:37	00:20	132kV Padampur - Nuapada feeder	At Padampur end:- DP operated, Zone-1, Distance=30.15km, Ia=77.45A, Ib=1.408kA, Ic=1.337kA	Nuapada, Nuapada Tr.	07:23	-	-	0.09804	-	-
			10:14	17:17	07:03	132kV Padampur - Nuapada feeder	At Padampur end:- Phase-BC, Ia=24.68kA, Ib=1.378kA, Ic=1.368kA, Zone-1, Distance=30.1km							
351	Polasponga	01.09.22	16:35	16:38	00:03	132kV Polasponga - Railway feeder	Back up relay- O/C (R-PH) Ia=243.1A, Ib=177.4A, Ic=72.53A, Inm=7.067A, Ind=5.89A	Polasponga T	00:03	-	-	0.000342	-	-
352	Meramundali	01.09.22	17:31	22:22	04:51	132kV Meramundali - Kharagprasad ckt-I	At Meramundali end:- DP RELAY:- Y-G, Dist-0.93km, Zone-1, IY=14.52kA, B/U:- B-G, IA= 196.4A, IB= 8.245kA, IC= 493.3 A, IG= 7807.21 A At Kharagprasad end:- Y-G, Dist-3.72km, IY= 1.2kA, Zone-1 [Y-Phase LA was burst at Meramundali end.]	-	-	-	-	-	-	-
			17:31	17:58	00:27	Auto- I (132kV Side)	Y-ph LA Burst at Meramundali							

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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
353	Tarkera	01.09.22	19:48	03.09.22 14:47:00	42:59	220kV Tarkera - Bonai feeder	MT	-	-	-	-	-	-	-
354	Rajgangpur	02.09.22	01:47	02:06	00:19	132kV Rajgangpur - Tarkera ckt-II	At Rajgangpur end:- BGT, IR=127A, IY=959A, IB=191A, IG=642A, MT operated, Zone -I, Dist=42.73km At Tarkera end:- DP operated, Dist-1.90km, Fault percentage=7.41%, L2 TO N, IL2=7.05kA, IN=7.28kA, M/T operated	-	-	-	-	-	-	-
355	Tarkera	02.09.22	05:10	05.09.22 10:34:00	77:24	220kV Tarkera - Rengali feeder	MT	-	-	-	-	-	-	-
356	Lapanga	02.09.22	12:47	15:54	03:07	400kV Lapanga - Meramundali ckt-I	At Lapanga end:- Rph-G, Dist-197km, IL1-2.04kA [Tree found between loc no-35 & 36] At Meramundali end:- Main 1: Before AR:- SOTF, IR= 11.53kA, Dist: 10.7km, After AR: SOTF, IL1= 0.00kA, IL2=0.00kA, IL3=0.00kA. Main 2: IL1= 11.40kA	-	-	-	-	-	-	-
357	Barbil	02.09.22	13:43	14:23	00:40	132kV Barbil - Joda feeder	At Joda end:- Relay- D/P, Dist-1.55km, Fault Loop- L3-N, Zone-1, Fault Current:-Ia- 6662A, Ib- 278A, Ic- 357A, In- 6410A [Heavy rainfall and lightning]	BARBIL,BOLANI, ARYA STEEL, BRPL,KARAKHENDRA SWITCHING S/S, NALDA, BEEKAY STEEL	00:40	-	-	0.023095	-	-
			13:43	14:23	00:40	132kV Barbil - Bolani feeder	At Joda end:- Relay- D/P, Dist-1.55km, Fault Loop- L3-N, Zone-1, Fault Current:-Ia- 6662A, Ib- 278A, Ic- 357A, In- 6410A							
			13:45	14:22	00:37	132kV Karakhendra - Arya feeder	132kV Incoming supply failed from Arya side (Joda grid end) due to heavy rainfall and lightning.							
358	Joda	02.09.22	13:50	18:12	04:22	220kV Joda - JSPL feeder	At Joda end:- DP relay, Zone-01, Fault Loop-L3-N ,Dist-3.587km, Fault Current:- IL1=356.37A, IL2=165.67A, IL3=5524.82A & IN=6011.30A At JSPL end:- DP Relay, Zone-01, dist-12.36km, Fault Current: Ia=354A, Ib=158.2A, Ic=1.457kA	-	-	-	-	-	-	-
359	Jayanagar	02.09.22	17:35	04.09.22 15:07:00	45:32	220kV Jayanagar - Laxmipur ckt-II	Z1,19.3km,R-G, F.C-6.24kA	-	-	-	-	-	-	-

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
			17:35	18:41	01:06	220kV Jayanagar - Laxmipur ckt-I	While charging Laxmipur -ii, it tripped on SOTF							
360	Jayanagar	02.09.22	17:52	18:08	00:16	Auto Transformer-1	Due to operation of bus bar protection	-	-	-	-	-	-	-
			17:52	18:10	00:18	220kV Jayanagar - Jeypore PGCIL ckt-III	(220kV Bus-I)							
361	Dabugaon	03.09.22	04:19	04:30	00:11	132kV Dabugaon - Umerkote feeder	At Dabugaon end:- DP relay Optd, Dist-46.2km, Zone-2	Umerkote	00:11	-	-	0.003103	-	-
362	Joda	03.09.22	10:50	11:15	00:25	220 kV Joda - TTPS ckt-II	At Joda end:- A/R successful. DP main-1 relay:- Zone-I, Fault Loop-L1-N Dist=7.844km, Fault current Ia=5.088kA, Ib=295.6A, Ic=355.4A, VAN=136.08kV, VBN=136.3kV, VCN=131.8kV DP main-2 relay:- FL=AGT, Zone-I, Dist=7.64km, Fault current : A=5270A, B=309A, C=365A, N=5938A, G=5939A At TTPS end:- DP relay, zone-I, Dist=123.3km, Fault current Ia=784A, Ib=104.20A, Ic=131.7A	-	-	-	-	-	-	-
363	Budhipadar	03.09.22	11:09	12:26	01:17	132 KV Budhipadar Brajrajnagar feeder	tripped at Budhipadar end.	Kechhobahal Tr. Brajrajnagar	01:17			0.036883		
			11:09	12:26	01:17	132kV Brajrajnagar-Kechhobahal Tr. feeder	Source failure							
			11:09	12:20	01:11	132kV Budhipadar- Remja feeder	At Budhipadar end:- DP relay operated, fault loop=L3-E, L3=10.94kA, Dist=4.477km, Zone-1 [E/F, Due to thunder and lightning,]							
			11:12	12:22	01:10	220KV Budhipadar- Lephripada feeder	At Budhipadar end:- DP relay operated, fault loop=L1-E, L1=18.03kA, Dist=-3.3km, Zone-1							
364	Bhanjanagar	03.09.22	11:23	17:19	05:56	220kV Bhanjanagar - Meramundali feeder	At Bhanjanagar end:- BCN, Z-1, Dist-40.57 km, IB=2.9 kA, IC=3.1 kA [Bamboo tree fault found] At Meramundali end:- Main-1: Z1 ,Dist= 87.66 KM,Y-B, IR=257.8 A, IY=2.988 KA,IB=2.751 KA Main-2: Z1 ,Dist -96.376 KM,Y-B, IR=255 A, IY=2.98 KA,IB=2.746 KA	-	-	-	-	-	-	-
365	Budhipadar	03.09.22	11:29	12:18	00:49	132kV Budhipadar-MCL-II feeder	At Budhipadar end:- DP relay operated, fault loop=L1-E, L1=4.857kA, Dist=-16.56km, Zone-2	-	-	-	-	-	-	-

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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
366	Budhipadar	03.09.22	11:48	13:15	01:27	132 KV TBC (charged for 132KV B.padar-MCL-I)	At Budhipadar end:- DP, Fault loop=R-E, Ir=4.66kA, Zone1, Distance=16.93km	-	-	-	-	-	-	-
367	Budhipadar	03.09.22	12:00	12:25	00:25	132kV Budhipadar- Kalunga feeder	At Budhipadar end:- DP, Fault loop=L1-E, L1=2.333kA, Zone1, Distance=30.533km At Kalunga end:- DP, Fault loop=L1-E, L1=872.7A, Zone1,Distance=55.96km	Bamra Tr.	00:30			0.00479		
			12:03	12:39	00:36	132kV Budhipadar- Rajgangpur feeder	At Budhipadar end:- DP, Fault loop=L1-E, L1=2.666kA, Zone1, Distance=30.355km At Rajgangpur end:- DP, Fault loop=L1-E, L1=1.33kA, Zone1, Distance=47.022km							
			12:04	12:34	00:30	132kV Rajgangpur - Bamra feeder	At Rajgangpur end:- AGT, IR=1331A, IY=196A, IB=19A, IG=3786A, MT operated, Zone- 1, Distance-47.02km							
368	Boinda	03.09.22	13:11	13:24	00:13	132kV Boinda - Rairakhol feeder	Source failure at Rairakhol end due to problem in Maneswar end	Rairakhol, Boinda Boinda Tr.	00:10			0.003574		
			13:12	13:22	00:10	132kV Rairakhol - Maneswar feeder	At Maneswar end:- Tripped in DP, Zone-2, L1-0.13kA, L2-0.42kA, L3-1.33kA, Dist-55.6km							
369	Mendhasal	03.09.22	13:14	14:08	00:54	220kV Mendhasal - Bhanjanagar feeder	At Mendhasal end:- Main-1 Dp realy 1 relay trip 2. R ph pickup E ph pickup Dist-124.9km, Ia= 1.13kA, Main-2 dist 2. Rph pickup 3. Eph pickup R-E loop Ia = 1.13kA At Bhanjanagar end:- A-M loop Zone-1, Ia=3.85kA, D=18.1km	-	-	-	-	-	-	-
370	G Udaygiri	03.09.22	14:19	14:59	00:40	132kV G Udaygiri - Phulbani LILO feeder	At G Udaygiri end:- E/F R & B phase fault location-28.2km, fault Current L1-1.42kA, L3-1.49kA	-	-	-	-	-	-	-
371	Bonai	03.09.22	14:35	14:47	00:12	220kV Bonai - Barkote feeder	Source failure due to the trip of 220kV Rengali - Deogarh feeder	Bimlagarh RTSS	00:12	-	-	0.000344	-	-

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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
372	Rengali	03.09.22	14:35	07.09.22	09:44	220kV Rengali S/Y - Deogarh feeder	At Rengali end:- DP operated, Dist=22.67km, A-N, Zone-1, Fault duration: 71.80 ms, Ia=5.688kA, Ib=191.1A, Ic=305.7A [At location No. 290 of 220kV Rengali-Deogarh line, R-ph conductor snapped due to heavy lightning causing also damage to disc insulators of Y & B phase.]	-	-	-	-	-	-	-
373	Polasponga	03.09.22	20:53	20:56	00:03	132kV Polasponga - Railway feeder	Back up relay- O/C (R-PH) Ia=240.1A, Ib=164.1A, Ic=107.3A, Inm=7.077A, Ind=6.418A	Polasponga Tr.	00:03	-	-	0.000342	-	-
374	Chhend	04.09.22	00:41	00:42	00:01	132kV Chhend - Nuagaon Traction Feeder	Tripped on O/C,IL1-0.23KA, IL2-0.22KA & 86B Trip relay operated.	Nuagaon Tr	00:03	-	-	0.000204	-	-
			11:04	11:06	00:02		Tripped on O/C,IL1-0.22KA, IL2-0.22KA & 86B Trip relay operated.							
375	Mania	04.09.22	02:34	02:42	00:08	132kV Mania - ICCL feeder	At Mania end:- DP relay operated, Zone-1, Location -4.15km, R-ph to Ground fault, Ia=1310A-74°, Ib=255A-57°, Ic=442A-71°, In=1999A-109°, Ig=1998A-71°	-	-	-	-	-	-	-
376	Pratapsasan	04.09.22	09:21	10:23	01:02	220kV Pratapsasan - Pandiabil ckt-I	At Pratapsasan end:- Zone-1, B phase to Ground fault. Fault current: Ib=3.32kA, Distance-5.6km At Pandiabil end:- Distance: 34.9KM, Zone-2, Bph to Ground fault. Fault current: Ib=2.3KA	-	-	-	-	-	-	-
377	Joda	04.09.22	11:42	12:24	00:42	220kV Joda - Ramchandrapur feeder	At Joda end:- DP Relay(Main-I):- Fault Distance =4.689km, Zone=01, Fault current :Ia=3896A, Ib=6.64kA, Ic=39.24A, DP main-2:- Fault loop: BGT , Dist :5.78km, Zone-I, Fault current:A=550A, B=3762A, C=370A, N=4521A, G=4520A At Ramchandrapur end:- DP Relay: Dist=187km, Zone-02, Fault current:Ia=0.64kA, Ib= 1.58kA, Ic= 0.29kA	-	-	-	-	-	-	-
378	Nimapara	04.09.22	12:33	15:03	02:30	132kV Chandaka - Nimapara feeder	At Nimapara end:- SOTF, Z1 ,Phase:- Rph to E/F, Dist=31.5km, Ia=1.428kA, Ib=12.55 A, Ic=13.92 A	-	-	-	-	-	-	-

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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
379	Budhipadar	04.09.22	13:27	14:48	01:21	220kV Budhipadar Korba Ckt I (prev. Korba Ckt-II) feeder	At Budhipadar end:- DP relay operated , fault loop=L3-E, fault dist=NA, IL1=IL2=IL3=NA, Power swing trip At Korba end:- D/P opertaed, Zone 2 trip, Fault loop= Bph to E, Fault loc.= 152.62km, Ic= 1.142kA, Ig=773A	-	-	-	-	-	-	-
380	Nimapara	04.09.22	13:35	14:02	00:27	132kV Konark - Nimapara feeder	Source failure	Nimapara,Konark Samangara Malatipatapur Tr	00:26 00:04	-	-	0.019954	-	-
		04.09.22	13:35	14:01	00:26	132kV Pratapsasan - Nimapara feeder	At Pratapsasan end:- SOTF, Zone-1 ,Phase:-Bph to E/F, Ia=393 A, Ib=648 A, Ic=3.721kA							
			13:35	13:39	00:04	132kV Samangara - Nimapara feeder	Source Failure							
			13:35	13:40	00:05	132kV Satasankha - Samangara ckt-I & II								
381	Baripada	04.09.22	14:40	15:35	00:55	132kV Betnoti - Udala feeder	At Udala end:- DP Relay, Zone-1, Dist- 29.1km, Loop: Y-Ph to G, Ia-0.05kA, Ib- 1.16kA, Ic-0.03kA At Betnoti end:- DP operated, Dist- 1.486km, Zone-1, Ia-53.24A, Ib- 2.673kA, Ic-19.56 A, Van-80.72kV, Vbn- 5.388kV, Vcn-81.95kV	Baripada Betonati	00:37	-	-	0.022968	-	-
			14:41	15:18	00:37	132kV Baripada(OPTCL) - Baripada (PGCIL) feeder	At Baripada(PGCIL)end:- Main-I : D.P relay P/U. Zone -III , Y -Phase to ground, dist=35.32km, IR=428A,IY=2.38kA, IB=237.6A Main-II: B/U relay (O/C) operated, IR=0.16kA, IY=0.28kA, IB=0.08kA At Baripada end:- None of the relay operated [Weather Condition- Rainy & Lightening]							
			14:41	15:50	01:09	132kV Baripada - Betnoti feeder	At Betnoti end:- General trip, Trip phase -ABC, Started phase-BN, Fault zone = 4, fault location = -2.177km, IA=243.9A, IB=2.539kA, IC=210.3A At Baripada end:- None of the relay operated							
382	Aska New	05.09.22	09:28	10:20	00:52	132kV Aska - Aska New ckt-I & II	LBB operated	Hinjili Aska	00:29	-	-	0.016455	-	-
			09:28	09:55	00:27	160 MVA AUTO-1	Only 132kV side CB tripped							
			09:28	09:55	00:27	160 MVA AUTO-2								
			09:28	09:57	00:29	132kV Aska - Hinjili feeder	LBB operated							

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
			09:28	09:55	00:27	132kV Aska New - Digapahandi ckt-I & II	Source failure							
383	Polasponga	05.09.22	10:22	10:24	00:02	132kV Polasponga - Railway feeder	Back up relay- O/C (R-PH) Ia=239.4A, Ib=213.4A, Ic=41.77A, Inm=7.21A, Ind=5.6A	Polasponga T	00:02	-	-	0.000228	-	-
384	Tarkera	05.09.22	12:20	07.09.22 22:29:00	58:09	220kV Tarkera - Rengali feeder	MT	-	-	-	-	-	-	-
385	Chandbali	06.09.22	08:23	08:27	00:04	132kV Olaver - Chandbali ckt-I & II	Source Fail	Chandbali Rajnagar	00:04 00:05	-	-	0.000479	-	-
			08:23	08:28	00:05	132kV Pattamundai - Rajnagar ckt-I	Tripped							
			08:23	08:28	00:05	132kV Pattamundai - Rajnagar ckt-II								
386	JSPL	06.09.22	12:41	13:07	00:26	220kV JSPL - Jamshedpur feeder		-	-	-	-	-	-	-
387	Paralakhemundi	07.09.22	09:14	09:47	00:33	132kV Paralakhemundi - Akhusingh feeder	DP operated	-	-	-	-	-	-	-
388	Tarkera	07.09.22	10:06	07.09.22 22:29:00	12:23	220kV Tarkera - Bonai feeder	MT	-	-	-	-	-	-	-
389	Laxmipur	07.09.22	14:13	16:38	02:25	220kV Laxmipur - Aditya ckt-I	B-E/F, If-2.526kA, Z-2, loc-22.52km	-	-	-	-	-	-	-
390	Lapanga	07.09.22	14:46	14:53	00:07	132kV Lapanga - Hirakud - Burla PH T Feeder	Transient fault	Lapanga Rengali Tr.	00:08			0.002234		
			14:46	14:58	00:12	132kV SMC(incoming) - Kuchinda feeder	Incomer failure							
			14:46	14:59	00:13	160MVA Auto-1	LV SIDE:- O/C, RYB-ph TRIPPED, IL1-1.29kA, IL2-1.24kA, IL3-6.23kA, PUT-167msec, TT-64msec HV SIDE:- B/U-RELAY, O/C, B-ph, PUT=161msec							
			14:46	15:00	00:14	160MVA Auto-2	LV SIDE:- O/C, RYB-ph TRIPPED, IL1-1.30kA, IL2-1.25kA, IL3-6.18kA							
			14:46	15:32	00:46	132kV Lapanga - Burla ckt-II	B-ph jumper snapped at Lapanga end							
			14:46	16:40	01:54	132kV Lapanga - Burla ckt-I								
			14:46	18:19	03:33	132kV Lapanga - SMC feeder								
			14:47	15:42	00:55	132kV Budhipadar -Lapanga feeder	At Budhipadar end:- BU relay operated, Relay trip, Dir.L1 PU, Dir.L3 PU, Dir.E/F trip, IL3=4.61kA At Lapanga end:- DP relay operated, Fault loop=L3-E, IL3=4.61kA							
			14:47	15:28	00:41	132kV Budhipadar -Jharsuguda ckt-I	At Budhipadar end:- BU relay operated, Relay trip, Dir.L3 PU, Dir.E/F trip, IL3=0.37kA							

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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
391	New Duburi	07.09.22	16:09	18:01	01:52	400/220/33kV ICT-II	ICT-2 Differential protection operated, GR A/B Trip Relay operated, LV GR-A/B Trip relay operated. 400kV Side(7UT61):- R-ph Trip, Differential L1=0.22 I/In0, Restraining L1=0.6 I/In0, Differential L2=0.11 I/In0, Restraining L2=0.82 I/In0, Differential L3=0.11 I/In0, Restraining L3=0.72 I/In0, 220kV Side:- Inter Trip On Master TRIP Relay	-	-	-	-	-	-	-
392	Kantabanji	07.09.22	21:03	21:50	00:47	132kV Kantabanji - RTSS feeder	Overcurrent (line to line)	Kantabanji - RTSS	00:47	-	-	0.002091	-	-
393	Jayanagar	08.09.22	11:45	13:40	01:55	132kV Jayanagar - Meenakshi feeder	Z1,3.41km,Y-B,F.C-6.95kA	-	-	-	-	-	-	-
394	Jayanagar	08.09.22	20:08	09.09.22 10:01:00	13:53	220kV Jayanagar - Laxmipur ckt-II	At Jayanagar-Z2,61.6km,R-Y-B-G,F.C-2.86kA At Laxmipur-B-E/F, If-2.35kA, Z-2, loc-61.39km	-	-	-	-	-	-	-
			20:08	09.09.22 13:55:00	17:03	220kV Jayanagar - Laxmipur ckt-I	At JayanagarZ2,61.4km,R-Y-B-G,F.C-2.86kA At Laxmipur-B-E/F, If-2.7kA, Z-1, loc-10.5k							
395	Kuchinda	08.09.22	11:24	15:08	03:44	132kV SMC(incoming) - Kuchinda feeder	At Kuchinda end:- DP, Tripped phase-BN, Zone-1, Fault loc-7.98ohm, Ia=156A, Ib=5.565kA, Ic=59.9A, Van=76.6kV, Vbn=20.1kV, Vcn=85.8kV	Kuchinda	00:21	-	-	0.004489	-	-
396	Meramundali	08.09.22	21:03	21:19	00:16	220kV Duburi - Meramundali feeder	At Meramundali end:- Main-1: Z-3 , Dist-135.9km, IR= 2.248kA, IY=2.179kA, IB=2.125kA	-	-	-	-	-	-	-
397	Phulnakhara	08.09.22	12:08	12:56	00:48	132kV Phulnakhara - Mancheswar feeder	At Phulnakhara end:- O/C, R,Y,B-ph & E/F, Ia=0.79kA, Ib=0.74kA, Ic=0.75kA [Due to maloperation of the relay]	-	-	-	-	-	-	-
398	Polasponga	08.09.22	09:13	09:15	00:02	132kV Polasponga - Railway feeder	Back up relay- O/C (R-PH) Ia=244.1A, Ib=160.0A, Ic=91.36A, Inm=6.98A, Ind=6.27A	Polasponga Tr.	00:02	-	-	0.000228	-	-
399	Tarkera	08.09.22	07:21	08.09.22 22:09:00	14:48	220kV Tarkera - Bonai feeder	MT	-	-	-	-	-	-	-
			07:23	08.09.22 22:09:00	14:46	220kV Tarkera - Rengali feeder								
400	Narendrapur	08.09.22	16:07	21:32	05:25	132kV Narendrapur - TATA ckt-II	R-ph jumper snapped	-	-	-	-	-	-	-

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	1	2	3	4	5	6	7	8	9	10	11	12	13	14
401	Meramundali B	08.09.22	21:17	13:31 01.10.22	544:14	500 MVA ICT-I	Due to direct lightening stroke on 1 MVA station TRF-I(33kV Tertiary of 400/220/33kV 500 MVA ICT-I), it bursted and caught fire. Simultaneously both 400 & 220kV side of 500MVA ICT-I tripped on master trip relay.	-	-	-	-	-	-	-
402	Balasore	09.09.22	15:00	15:17	00:17	132kV Balasore - Basta feeder	At Balasore end:- Back up relay: O/C, Y-ph, B-ph, Fault current IL1-394A, IL2-1.49kA, IL3-1.34kA At Basta end:- Breaker didn't trip	Basta, Jaleswar, Bhograi, Jaleswar Tr.	00:17	-	-	0.014681	-	-
			15:00	15:17	00:17	132kV Basta - Jaleswar feeder	At Basta End:- B/U relay operated. O/C in Y ph and B-ph, Ir-220A, Iy-1.16kA, Ib-1.09kA							
			15:00	16:33	01:33	132kV Bhograi - Kuchei feeder 132kV Bhograi - Jaleswar feeder	At Bhograi end:- DP operated, Yph-Bph-Gnd, Z-1, Dist-85.20km, Ir-0.202kA, IY-							
403	New Duburi	09.09.22	11:38	11:38	00:00	220kV New Duburi - Paradeep ckt-II	At New Duburi end:- MAIN-1:-General trip, R-ph PU, E/F PU, Zone-1B Trip, 1-Pole Trip, Dist. PU L1E, IL1=1.85kA, Dist=97.5km, A/R Close command on At Paradeep end:- R-ph to E, Dist=20.5km, Zone 1 Trip	-	-	-	-	-	-	-
404	Jayanagar	09.09.22	11:05	10.09.22	32:58	132kV Jayanagar - Meenakshi feeder	Z1,4.47km,R-G,F.C-6.95kA	-	-	-	-	-	-	-
405	Rengali PH	09.09.22	12:50	15:34	02:44	220kV Rengali PH - Kaniha feeder	At Rengali PH end:- DP, Zone-2, R-E, If=1.895kA, Dist-33.7km	-	-	-	-	-	-	-
406	Thuapali	09.09.22	20:18	20:45	00:27	132kV Thuapali - Bargarh feeder	DP relay operated due to L3 E/F, Zone-01, L1-0.29kA, L3-0.13kA & L3-2.40kA & Dist-8.6km	-	-	-	-	-	-	-
407	Birmaharajpur	10.09.22	16:15	17:05	00:50	132kV Birmaharajpur - Sonepur feeder	Source failure	Birmaharajpur	00:50	-	-	0.005558	-	-
408	Boudh	10.09.22	11:52 18:17	12:09 23:05	00:17 04:48	132kV Boudh - Sonepur feeder	Distance Protection (Zone 1) feeder tripped at Sonepur end	Boudh	05:05	-	-	0.027645	-	-
409	Karakhendra	10.09.22	22:00	22:11	00:11	132kV Karakhendra - Arya feeder	132kV Incoming supply failed from Arya side (Joda grid end) due to over current and earthfault.	Karakhendra	00:11	-	-	0.002352	-	-
410	Kesinga	10.09.22	11:09	18:42	07:33	220kV Kesinga - Bolangir PG feeder	DP	-	-	-	-	-	-	-

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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
411	Meramundali	10.09.22	21:11	11.09.22 16:39:00	17:28	220kV Bus-Coupler	B-ph jumper of Bus-2 snapped. B/U: ABGT, IA= 460A, IB= 438A, IC=0A, IN=0 A, IG= 425.66 A [B-PH Jumper of Bus-2 snapped at 220 KV BUS Coupler]	-	-	-	-	-	-	-
412	Polasponga	10.09.22	12:41	12:44	00:03	132kV Polasponga - Railway feeder	Back up relay- O/C (R-PH) Ia=240.2A, Ib=203.3A, Ic=46.51A, Inm=6.941A, Ind=5.323A	Polasponga Tr.	00:05	-	-	0.00057	-	-
			16:26	16:28	00:02	132kV Polasponga - Railway feeder	Back up relay- O/C (R-PH) Ia=240.2A, Ib=149.8A, Ic=99.26A, Inm=7.255A, Ind=6.933A							
413	Bolangir New	10.09.22	10:49	11:24	00:35	220kV Bolangir New - PGCIL ckt-I	Tripped on Distance protection and O/C & E/F Relay	-	-	-	-	-	-	-
			10:49	11:26	00:37	220kV Bolangir New - PGCIL ckt-II								
414	Bolangir New	10.09.22	18:17	23:04	04:47	132kV Bolangir New - Sonepur ckt-I	Tripped on Distance protection and O/C & E/F Relay [Jumper snapped at location no-70]	Sonepur, Boudh, Birmaharajpur	04:47	-	-	0.216157	-	-
415	Rengali PH	10.09.22	11:50	12:36	00:46	220kV Rengali PH - Kaniha feeder	At Rengali PH end:- DP, Zone-2, Y-E, If=6.268kA, Dist-27.37km	-	-	-	-	-	-	-
			11:50	12:36	00:46	220kV Rengali PH - TTPS feeder	At Rengali PH end:- DP, Zone-1, R-E, If=89.5A, Dist-10.89km							
416	Barbil	11.09.22	13:50	14:31	00:41	132kV Barbil - Joda feeder	132KV Barbil-Joda fdr tripped only at Barbil Grid S/S. At Joda end:- Fault- E/F, Relay- Master trip relay 86A, 86B, started phase- AN, Tripped phase- N, Fault Current:- Ia- 412.4A, Ib- 346.9A, Ic- 202.4A, In- 840.2A [AT Joda Grid 132/33KV, 20MVA Power Trf-5 tripped on master relay only due to Y-Phase CT burst at 132KV side.]	BARBIL,BOLANI, ARYA STEEL, BRPL,KARAKHENDRA SWITCHING S/S, NALDA, BEEKAY STEEL	00:41	-	-	0.023672	-	-
			13:50	14:31	00:41	132kV Barbil - Bolani feeder	132KV Barbil-Joda fdr tripped only at Barbil Grid S/S. At Joda end:- Fault- E/F, Relay- Master trip relay 86A, 86B, Started phase- AN, Tripped phase- N, Fault Current:- Ia- 412.4A, Ib- 346.9A, Ic- 202.4A, In- 840.2A							

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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
417	Bhanjanagar	11.09.22	02:41	13.09.22	16:41	220kV Bhanjanagar - Therubali ckt-II	At Therubali end:- BCN, Z-1, Dist-48.05 km, IB=1.74kA, IC=1.71kA At Bhanjanagar end:- BCN, Z-1, Dist-114.68km, Ib=1737Amp, Ic=1750Amp	-	-	-	-	-	-	-
418	Joda	11.09.22	13:50	16:12	02:22	132kV Joda - Kenduposi feeder	132kV Main Bus failure [Y-Ph CT burst of 132/33KV Transformer-05 & replacement work completed]	Joda Fap Bansapani Tr.	00:36 00:33 00:34	-	-	0.027183	-	-
			13:50	14:30	00:40	132kV Joda -FAP feeder								
			13:50	14:31	00:41	132kV Joda - Banspani RTSS feeder								
			13:50	14:22	00:32	Auto Transformer-01								
			13:50	14:22	00:32	Auto Transformer-02								
			13:50	14:37	00:47	Auto Transformer-03								
			13:50	14:33	00:43	132kV Joda - Polasponga feeder	At Polasponga end:- Back up relay-E/F(BCG T) Ia=134.7A, Ib=116.9A, Ic=180.0A, In=0, Ig=422.7A							
			13:50	14:31	00:41	132kV Karakhendra - Arya feeder	132kV Incoming supply failed from Arya side (Joda grid end) due to Joda grid CT burst.	Karakhendra	00:41					
420	Meramundali	11.09.22	16:40	19:16	02:36	220kV Bus-Coupler	B-ph Bus-II PT burst. B-E, IB=40.013kA, [A large sound heard from 220 KV S/Y.On field supervision after B/C tripped it was found that B-ph Bus-II PT has been burst]	-	-	-	-	-	-	-
421	Brajrajnagar	12.09.22	15:43	16:41	00:58	133 KV Budhipadar Brajrajnagar feeder	Tripped	RTSS Kechhobahal	00:58	-	-	0.001934	-	-
			15:43	16:41	00:58	132kV Brajrajnagar - RTSS Kechhobahal feeder								
422	Rourkela	12.09.22	21:04	21:19	00:15	132kV Rourkela - BKSteel feeder	O/C & M/T relay indication:- Fault current details:-IA=243.9 A, IB=185.2 A, IC=399.8 A, IN=25.59 A	Bhalulata RTSS, BKSteel, NALDA rly, Karakhendra switching station, ARYA, BRPL, Bolani, BBL	00:15	-	-	0.008661	-	-
423	Mania	13.09.22	21:44	21:57	00:13	132kV OCL - Mania feeder	No indication	-	-	-	-	-	-	-
424	Nimapara	13.09.22	09:48	09:49	00:01	132kV Nimapara - Konark feeder	At Nimapara end:- Z1 , Phase:-Rph to E/F, Dist=13.5km, Ia=3.15kA	-	-	-	-	-	-	-
425	B C Mohanty	13.09.22	12:38	19:13	06:35	132kV BC Mohanty - RTSS Tamka feeder	DP operated	RTSS Tamka	06:35	-	-	0.021227	-	-
426	Choudwar	13.09.22	12:38	12:52	00:14	132kV Choudwar - ICCL feeder	At Choudwar end:- O/C R,Y,B phase and E/F, IL1-0.96kA, IL2-5.86kA, IL3-0.86kA	Salipur, Mania & OCL ICCL	00:11 00:14			0.007671		

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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
			12:38	17:41	05:03	132kV Khuntuni - ICCL feeder	Zone 1,Y Ph fault and carrier received and carrier sender. 86 A & 86 B Operated.			-	-		-	-
			12:38	14:39	02:01	132kV OCL - Salipur Ckt-I	Incoming Failed from ICCL end.							
			12:38	14:38	02:00	132kV OCL - Salipur Ckt-II								
427	Olaver	13.09.22	20:09	20:25	00:16	132kV Olaver - Chandbali ckt-I & II	Source Fail	Olaver Chandbali	00:15			0.001586		
			20:10	20:25	00:15	132kV Pattamundai - Olaver Ckt-I	At Patamundai end:- DP Relay (Siemens Siprotec 7AS52), Zone-I, L3E, Distance=31.4km [at location No-79 , 132kV Pattamundai - Olaver Ckt-II Y-phase jumper snapped, B-phase insulator string break with B-phase jumper snapping and B-phase conductor failure.]			-	-		-	-
			20:10	14.09.22 18:24:00	22:14	132kV Pattamundai - Olaver ckt-II	At Pattamundai end:- DP, B-ph to E, Zone-1, Dist-31.4km [B-ph insulator at Olaver end damaged]							
428	Bhanjanagar	14.09.22	10:08	15:01	04:53	220kV Bhanjanagar - Therubali ckt-II	At Bhanjanagar end:- CN, Z-1, Dist=79.8km, IC-1.69kA At Therubali end:- CN, Z-1, Dist-94.7km, Ic=1.6kA	-	-	-	-	-	-	-
429	Chhend	14.09.22	19:17	19:19	00:02	132kV Chhend - Nuagaon Traction Feeder	Tripped on O/C,IL1-0.22KA, IL2-0.21KA & 86B Trip relay operated.	Nuagaon Tr.	00:02	-	-	0.000136	-	-
430	Paralakhemundi	14.09.22	10:35	13:03	02:28	132kV Paralakhemundi - Akhusingh feeder	DP operated	-	-	-	-	-	-	-
431	Tarkera	14.09.22	00:10	19.09.22 11:19:00	131:09	220kV Tarkera - Bonai feeder	MT							
			00:10	16.09.22 05:15:00	56:05	220kV Tarkera - Rengali feeder	MT							
			00:47	14.09.22 07:53:00	07:06	132kV Tarkera - Rajgangpur ckt-I	DP OPERATED , ZONE-1 , LOOP :- L2N, DIST :- -1.90 KM , IL2 = 7.05 KA , IN = 7.28 KA , MT OPERATED							
432	Chandpur	15.09.22	05:33	05:54	00:21	132kV Chandpur - Balugaon feeder	At chandpur end:- General trip, B-phase, Z2/Z1 B trip, Dist=39.9km, DP operated. At Balugaon end:- no tripping [rainy & lightning at Balugaon grid end]	Chandpur	00:21	-	-	0.004432	-	-
433	Mania	15.09.22	06:18	06:36	00:18	132kV OCL - Mania feeder	No indication	-	-	-	-	-	-	-
434	Digapahandi	15.09.22	11:08	11:25	00:17	132kV Digapahandi- Mohana SC Line	At Digapahandi end:- Backup relay-1,5, L1- 0.03kA, L2- 0.13kA, L3- 0.03kA							

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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
			11:55	11:57	00:02		At Digapahandi end:- Backup relay- 1,5, L1- 0.03kA, L2- 0.17kA, L3- 0.02kA							
435	Tarkera	15.09.22	13:26	16.09.22 20:59:00	31:33	220kV Tarkera - Budhipadar ckt-I	At Tarkera end:- DP, Zone-1, Dist-17km, Loop-L3_N, IL3=6.27kA, MT At Budhipadar end:- DP, Zone-2, Loop=L3_N, Dist-91.43km, IL3=2.319kA [JUMPER SNAPPED]	-	-	-	-	-	-	-
436	Meramundali	15.09.22	15:06	20.09.22	117:24	315 MVA ICT-II	400 KV Side:- Buch.Trip, B/U Relay:- IR=0kA, IY=3.47kA, IB= 0kA, K50 LBB Relay:-IR= 0kA, IY=3.51kA, IB=0kA, M/T 220 KV Side:- B/U Relay:- IR=5.62kA, IY=5.64 kA,IB=0 kA, M/T [220kV Side line isolator R-Ph & Y-Ph PI & isolator drops damaged at Meramundali end.]	-	-	-	-	-	-	-
			15:06	19:09	04:03	125 MVAR Bus Reactor	Master Trip							
			15:00	15:43	00:43	220kV Meramundali - TATA BSL ckt-I	At Meramundali end:- B/U:- Y-B-E, IR= 6.6A, IY=101.2 A, IB=79.7 A, M/T							
			15:00	15:15	00:15	220kV Meramundali - TATA BSL ckt-II	At BSL end:- Differential Relay: IR= 40 A, IY=240A, IB= 170 A, TIME : 26.913 SEC							
			15:06	16:06	01:00	220kV Meramundali - Kaniha ckt-I	Tripped							
			15:06	16:06	01:00	220kV Meramundali - Kaniha ckt-II								
			15:06	15:47	00:41	220kV Meramundali - NALCO ckt-I	At NALCO end:- Y-E, IY=1.9kA, Dist-20km, Zone-2							
			15:06	15:47	00:41	220kV Meramundali - NALCO ckt-II	At NALCO end:- Y-E, IY=1.9kA, Dist-20km, Zone-2							
437	Digapahandi	16.09.22	14:25	14:28	00:03	132kV Digapahandi- Mohana SC Line	At Digapahandi end:- Backup relay- 1,5, L1- 0.03kA, L2- 0.3kA, L3- 0.02kA	-	-	-	-	-	-	-
			19:28	19:32	00:04		At Digapahandi end:- Backup relay- 1,5, L1- 0.03kA, L2- 0.39kA, L3- 0.04kA							
438	Kesinga	16.09.22	21:26	21:29	00:03	132kV Kesinga - RTSS feeder	O/C	Kesinga - RTSS	00:03	-	-	0.000247	-	-
439	Tentulikhunti	16.09.22	15:05	15:56	00:51	132kV Tentulikhunti - Dabugaon feeder	Source Failure	-	-	-	-	-	-	-
440	Tarkera	16.09.22	08:16	20.09.22 14:26:00	102:10	220kV Tarkera - Rengali feeder	MT	-	-	-	-	-	-	-
441	Bhanjanagar	17.09.22	09:38	10:56	01:18	132kV Bhanjanagar - G Udaygiri - Phulbani feeder	CN,Z-1, D=79.8 km, IC-1.69 kA	-	-	-	-	-	-	-

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	1	2	3	4	5	6	7	8	9	10	11	12	13	14
442	Digapahandi	17.09.22	12:12	12:17	00:05	132kV Digapahandi- Mohana SC Line	At Digapahandi end:- Backup relay- 1,5, L1- 0.02kA, L2- 0.41kA, L3- 0.02kA	-	-	-	-	-	-	-
			15:29	15:32	00:03		At Digapahandi end:- Backup relay- 1,5, L1- 0.02kA, L2- 0.41kA, L3- 0.02kA							
443	Baripada	17.09.22	13:59	14:34	00:35	132kV Baripada(OPTCL) - Baripada (PGCIL) feeder	At Baripada(PGCIL) end:- Main-II: O/C in Y -Phase & E/F, IR=411.3A, IY=4.55kA, IB=288.3kA. IE > Directional trip, Pickup time=58ms, Trip time=49ms. At Baripada end:- None of the relay operated	Baripada	00:35	-	-	0.012421	-	-
			13:59	18:33	04:34	132kV Baripada - Betnoti feeder	At Betnoti end:- D.P Relay operated, Trip phase - ABC , Started phase-BN , active group=1 , fault duration=69.96ms, relay trip time = 624.1 ms, fault location=16.55km, Fault zone = 1. IA=113.9A, IB=992.9kA, IC=33.67A, VAN = 76.4kV, VBN=17.23kV, VCN=77.51kV							
444	G Udaygiri	17.09.22	09:38	10:56	01:18	132kV G Udaygiri - Bhanjanagar LILO feeder	At Bhanjanagar end:- C-N E/F Zone-1 15.41km Fault Current-3.98kA	-	-	-	-	-	-	-
445	Paradeep	17.09.22	13:42	14:08	00:26	132kV Paradeep - PPT ckt-II	Tripped on Master Trip [heavy lightning and rainfall at Paradeep end]	RTSS SIJU IOCL Tirtol	00:33 00:22 00:06	-	-	0.005724	-	-
			13:42	14:15	00:33	132kV Paradeep - RTSS SIJU feeder	At Paradeep end:- B-N, Z-1, DP, Dist-1.58km, IA=45.7A, IB=5.89kA, IC=0.00A							
			13:52	14:14	00:22	220kV Paradeep - IOCL feeder	At Paradeep end:- O/C, R,Y,B PH, E/F, IA=483.7A, IB=515.7A, IC=4.728kA, LN=374.5kA							
			13:45	13:51	00:06	132kV Paradeep - Tirtol feeder	At Tirtol end:- O/C B-phase, Zone-1, Dist=22.18km, IA=41.15A, IB=119.7, IC=61.36A							
446	Atri	17.09.22	13:32	17:49	04:17	220kV Atri - Narendrapur ckt-II	At Atri end:- Zone-1, R-Y-E, Dist-101.8km, Ir=2.2kA, Iy=1.9kA	-	-	-	-	-	-	-
447	Paradeep	18.09.22	03:06	03:11	00:05	132kV Paradeep - PPT ckt-II	At Paradeep end:- O/C, Y PH, IL1-0.11kA, IL2=5.42kA, IL3=0.11kA	-	-	-	-	-	-	-
448	Digapahandi	18.09.22	10:50	10:56	00:06	132kV Digapahandi- Mohana SC Line	At Digapahandi end:- Backup relay- 1.5 L1- 0.02kA, L2- 0.4kA, L3- 0.02kA	-	-	-	-	-	-	-

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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
			18:31	18:33	00:02	132kV Digapahandi- Mohana SC Line	At Digapahandi end:- Backup relay-1.5 L1- 0.02kA, L2- 0.5kA, L3- 0.02kA							
449	Joda	18.09.22	11:19	11:32	00:13	220kV Joda - JSPL feeder	At Joda end:- B/U O/C, Fault Current:IL1=0.16kA, IL2=0.14kA, IL3=1.18kA	-	-	-	-	-	-	-
450	Chhend	18.09.22	14:05	14:06	00:01	132kV Chhend - Nuagaon Traction Feeder	Tripped on O/C,IL1-0.23KA, IL2-0.22KA & 86B Trip relay operated.	Nuagaon Tr	00:01	-	-	6.8E-05	-	-
451	Jayanagar	18.09.22	15:37	16:21	00:44	132kV Jayanagar - Meenakshi feeder	Z2,45.1km,Y-B,F.C-2.7kA	-	-	-	-	-	-	-
452	Meramundali	18.09.22	15:45	16:27	00:42	220kV Duburi - Meramundali feeder	At Meramundali end:- Before AR : R-N, Z1, SOTF, Dist- 63.09km, IR= 1.892kA, IY= 123.6A, IB= 124.1 A. After AR : R-N, Z1, SOTF, Dist-54.00km, IR= 1.6kA, IY= 50.72 A, IB= 57.85 A At Duburi end:- B/U, O/C, E/F. IR=1.85kA, IY= 0.27kA, IB= 0.09kA [Heavy Rainfall & lightning at Meramundali end]	-	-	-	-	-	-	-
453	Jayanagar	18.09.22	16:07	16:48	00:41	132kV Jayanagar - Tentulikhunti ckt-II	Z1,50.7km,R-G,F.C-1.7kA	-	-	-	-	-	-	-
454	Lapanga	18.09.22	16:19	18:19	02:00	132kV Budhipadar -Lapanga feeder	At Budhipadar end:- DP operated, zone-1, FL-L2-E, IL2-4.38kA, FD-12.2km, Master Trip relay operated At Lapanga end:- DP operated, zone-1, FL-L2-E, IL2-7.64kA, FD-5.1km.	-	-	-	-	-	-	-
			16:20	18:31	02:11	132kV Lapanga - Jharsuguda feeder	At Lapanga end:- Bph-G, Dist-0.8km, Z1 , IL3-8.33kA							
			16:22	16:22	00:00	400kV Lapanga - Meramundali ckt-II	At Lapanga end:- Bph-G, Dist-9.1km, Z1, IL3-22.13kA							
455	Laxmipur	18.09.22	17:10	18:20	01:10	220kV Laxmipur - Aditya ckt-I	B-E/F, If-1.7kA, Z-1, loc-31km	-	-	-	-	-	-	-
456	Maneswar	18.09.22	17:40	19:22	01:42	132kV Rairakhol - Maneswar feeder	At Maneswar end:- Tripped in DP, Zone-1, dist- 6.2km, L1-0.9A, L2-2.2kA, L3-0.9A	-	-	-	-	-	-	-
457	Polasponga	18.09.22	16:57	17:13	00:16	132KV Polasponga - MSP feeder	Back up relay- O/C(Y-PHASE), Ia=0.06KA, Ib=0.42KA, Ic=0.06KA	MSP	00:16	-	-	0.002696	-	-
458	Katapali	18.09.22	17:52	21.09.22 11:54:00	66:02	220kV Katapali - Lapanga ckt-II	E/F, R-ph, Dist-62km, Ir=3.5kA [R-ph insulator puncture & conductor snapped, Y-ph cross arm bent at loc no-190]	-	-	-	-	-	-	-
459	Sonepur	18.09.22	17:58	19:23	01:25	132kV Sonepur - Birmaharajpur feeder	E/F [Heavy Rain with lightning, Thunderstorm]	Birmaharajpur	02:54	-	-	0.019566	-	-
			19:23	20:48	01:25									
			21:08	21:12	00:04									
460	Katapali	18.09.22	17:46	18:23	00:37	132kV Katapali - Burla ckt-II	Due to tripping of unit 3 of Chipilima	-	-	-	-	-	-	-
			17:46	17:56	00:10	132kV Katapali - Chipilima ckt-II								

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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
461	Budhipadar	18.09.22	17:46 19:25	19:07 19:47	01:21 00:22	132kV Burla - Chipiliima feeder 132kV Budhipadar-Sundargarh ckt-1	At Budhipadar end:- DP operated, zone-1, FL-L1-E, IL1-3.54kA, FD-16.2km, Master Trip relay operated [Heavy rain & thunderstorm]	Sundargarh	00:22	-	-	0.008608	-	-
			19:25	19:47	00:22	132kV Budhipadar-Sundargarh ckt-2	At Budhipadar end:- DP operated, zone-1, FL-L1-E, IL1-3.59kA, FD-15.93km, Master Trip relay operated							
462	Kantabanji	18.09.22	21:30	21:32	00:02	132kV Kantabanji - RTSS feeder	Overcurrent (line to line)	Kantabanji Tr.	00:02	-	-	8.9E-05	-	-
463	Digapahandi	19.09.22	09:33	09:35	00:02	132kV Digapahandi- Mohana SC Line	At Digapahandi end:- Backup relay-1,5, L1- 0.02kA, L2- 0.39kA, L3- 0.02kA	Mohana	00:02	-	-	0.000165	-	-
464	Rengali	19.09.22	11:11	19.09.22 17:40:00	30:29	220kV Rengali S/Y - Deogarh feeder	At Rengali end:- DP operated, Dist=46.76km, B-N, Zone-2, Fault duration: 411.4 ms, IA=329.7A, IB=3.447kA, IC=257.7A [Y-ph LA burst at Deogarh end]	-	-	-	-	-	-	-
465	Budhipadar	19.09.22	11:25	13:40	02:15	220kV Budhipadar-IB ckt-III	At Budhipadar end:- DP operated, zone-1, FL-L3-E, IL3-16.14kA, FD-1.1km, Master Trip relay operated At IB end:- DP operated, zone-2, FL-L3-N, IL3-2kA, FD-23km	-	-	-	-	-	-	-
466	Balasore	19.09.22	12:30	14:46	02:16	220kV Balasore - NewDuburi feeder	At Balasore end:- Main-I: A -N, Zone-1, fault distance-3.088km, fault current-Ia=6.714kA, Ib=343.4 A, Ic=244.5A, Main-II: L1-N, Zone-1, dist-2.8837km, Fault current IL1-7179.86 A, IL2-360.63A, IL3-261.05A At New Duburi end:- Main-I: R-Ph P/U, E/F P/U, Main-II : Rph-G, Zone-2, Dist-144.6km, Fault current Ir=1.325kA, Ib=315.8A, Ic=231.2A	-	-	-	-	-	-	-
			12:30	12:50	00:20	160 MVA AUTO-3	Back up relay:-O/C, R-ph, E/F. Fault current Ir-0.89kA, Iy-0.29kA, Ib-0.42kA	-	-	-	-	-	-	-
467	Birmaharajpur	19.09.22	15:08 17:05	15:30 17:20	00:22 00:15	132kV Birmaharajpur - Sonepur feeder	Source failure	Birmaharajpur	00:37	-	-	0.004113	-	-
468	Tarkera	19.09.22	17:53	20.09.22 14:26:00	20:33	220kV Tarkera - Bonai feeder	MT	-	-	-	-	-	-	-
469	Kantabanji	20.09.22	06:46	06:54	00:08	132kV Kantabanji - Khariar feeder	CB Problem at GSS Khariar	Kantabanji, Kantabanji Tr.	00:08	-	-	0.001806	-	-
470	Bolangir	20.09.22	16:16 16:16	16:37 16:45	00:21 00:29	132kV Bolangir - Bolangir New ckt-I 132kV Bolangir - Bolangir New ckt-II	Source failure Source failure	Bolangir, ACME Saintala, Tusura,	00:21	-	-	0.038294	-	-

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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
			16:16	17:11	00:55	132kV Bolangir - Kesinga feeder	E/F	Deogaon Tr.,						
			16:14	16:26	00:12	132kV Tusura - Bolangir feeder	E/F	Saintala, Khariar,						
471	Chhend	20.09.22	17:02	17:10	00:08	132kV LILO Feeder	Tripped on O/C Rph with mag IR=4.70kA,IY=0A,IB=0A	-	-	-	-	-	-	-
472	Burla	20.09.22	19:50	20:02	00:12	132kV Burla - Chipilima feeder	E/F	-	-	-	-	-	-	-
473	Kesura	21.09.22	13:18	21:13	07:55	132kV Kesura - Pratapsasan feeder	At Kesura end:- Z-1, Ir=272.4A, ly=235.5, lb=397A, 6.71ohm At Pratapsasan end:- Z-1, Ir=8.468kA, Dist=3.09km [R-ph insulator got punctured and snapped at Loc-33.]	-	-	-	-	-	-	-
474	Phulnakhara	21.09.22	13:18	13:30	00:12	132kV Pratapsasan- Phulnakhara ckt-I	At Phulnakhara end:- O/C, R-ph & E/F, Ia=1.66kA	-	-	-	-	-	-	-
			13:18	13:30	00:12	132kV Pratapsasan- Phulnakhara ckt-II	At Phulnakhara end:- O/C, R-ph & E/F, Ia=0.92kA At Pratapsasan end:- BG, Zone-1, 6.82kA, Dist=842 meters							
475	Polasponga	21.09.22	13:48	13:52	00:04	132kV Polasponga - Railway feeder	Back up relay- O/C (R-PH) Ia=240.6A, lb=192.4A, lc=53.62A, Inm=7.157A, Ind=6.009A	Polasponga Tr.	00:04	-	-	0.000456	-	-
476	Jaleswar	21.09.22	15:36	15:39	00:03	132kV Jaleswar - Traction feeder	O/C	Jaleswar Tr.	00:03	-	-	0.000331	-	-
477	Budhipadar	21.09.22	21:38	22:31	00:53	132kV Budhipadar - Kalunga feeder	At Budhipadar end:- DP operated, zone-1, FL-L1-E, IL1-4.393kA, FD-12.93km, Master Trip relay operated At Kalunga end:- DP operated, zone-1, FL-L1-E, IL1-1.09kA, FD-68.26km, Master Trip relay operated	Bamra Tr.	00:25	-	-	0.003992	-	-
			21:41	22:06	00:25	132kV Budhipadar - Bamra feeder	At Budhipadar end:- DP operated, zone-1, FL-L1-E, IL1-2.9kA, FD-29.94km, Master Trip relay operated							
478	Tarkera	21.09.22	19:34	29.09.22 22:01:00	194:27	220kV Tarkera - Bonai feeder	MT	-	-	-	-	-	-	-
			20:02	29.09.22 22:02:00	194:00	220kV Tarkera - Rengali feeder								
479	Chhend	22.09.22	05:26	05:28	00:02	132kV Chhend - Nuagaon Traction Feeder	Tripped on O/C,IL1-2.58kA, IL2-0kA & 86B Trip relay operated.	Nuagaon Tr	00:02	-	-	0.000136	-	-
480	Digapahandi	22.09.22	12:51	13:04	00:13	132kV Digapahandi- Mohana SC Line	At Digapahandi end:- DP relay optd, BGT, Zone- 1, Loc- 41.37km, Fault current- A- 89A, B- 1109A, C- 53A, N- 0, G- 968A	-	-	-	-	-	-	-

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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
481	Karanjia	22.09.22	15:30	15:51	00:21	132kV Karanjia - Rairangpur feeder	At Karanjia end:- DP relay, Y-ph, Distance=60.4km, Rsec=6.33ohm, Rpri=19.0ohm, Xsec=8.34ohm, Xpri=25.01ohm At Rairangpur end:- Z1, Dist=9.54km, IA=1.755kA, IB=1.840kA, IC=222.4A [Heavy lightning]	Karanjia	00:21	-	-	0.004889	-	-
482	Laxmipur	22.09.22	11:17	14:55	03:38	220kV Laxmipur - Aditya ckt-I	B-E/F, Z-3, loc=48.75km	-	-	-	-	-	-	-
483	Polasponga	22.09.22	13:28	13:31	00:03	132kV Polasponga - Railway feeder	Back up relay- O/C (R-PH) Ia=245.0 Ib=178.7A, Ic=72.58A,Inm = 7.018A, Ind= 5.829A	Polasponga Tr.	00:03	-	-	0.000342	-	-
484	Bhadrak	23.09.22	14:12	14:39	00:27	132kV Bhadrak - DPCL ckt-II	At Bhadrak end:- Z-1, Dist=6.3km , FAULT LOOP=AN, Ia=6.52KA,Ib=140.3 A, Ic=191.4A	DPCL	00:27	-	-	0.002675	-	-
485	Polasponga	23.09.22	11:58	12:00	00:02	132kV Polasponga - Railway feeder	Back up relay- O/C (R-PH) Ia=238.9A, Ib=181.5A, Ic=68.53A,Inm = 7.059A, Ind= 6.478A	Polasponga Tr.	00:02	-	-	0.000228	-	-
486	Rourkela	23.09.22	11:18	12:15	00:57	132kV Rourkela - BKSteel feeder	D.P & M/T relay indication, D.P relay details:- loc=1.23km, Zone-1, event =BGT, Fault current details:- IA=123 A, IB=7332 A, IC=90 A, IN= 1 A, IG=7159 A	Bhalulata RTSS, BKSteel	00:57	-	-	0.015635	-	-
487	Kesinga	24.09.22	10:55	11:08	00:13	132kV Bhawanipatna - Kesinga feeder	Failed from Kesinga(Incoming) end.	Bhawanipatna Lanjigarh Tr.	00:13	-	-	0.003501	-	-
			10:55	17:00	06:05	132kV Kesinga - Junagarh feeder	R-Phase L.A Brust							
488	Chatrapur	24.09.22	18:58	19:47	00:49	132kV Chatrapur - IRE ckt-1	At Chatrapur end:- Tripped on O/C (B-Ph), E/F with M/R (IR=0.04kA, IY=0.04 A, IB=0.98kA) [Heavy storm,lightening and rain]	-	-	-	-	-	-	-
489	Paradeep	24.09.22	20:01	20:11	00:10	132kV Paradeep - PPT ckt-II	At Paradeep end:- O/C, Y PH, E/F, IL1-0.13kA, IL2-6.41kA, IL3-0.13kA	-	-	-	-	-	-	-
490	Phulnakhara	24.09.22	16:18	16:43	00:25	132kV Pratapsasan- Phulnakhara ckt-I	At Phulnakhara end:- DP Relay, R-ph, Zone 1, Dist-1.332km, Ia-1.266kA, Ib-68.26A, Ic-227.7A At Pratapsasan end:- In DP Relay: R-ph, Zone 2, 17.7km, Ia: 2515A, Ib:62.3A, Ic:222.2A	-	-	-	-	-	-	-

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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
			16:18	17:27	01:09	132kV Pratapsasan- Phulnakhara ckt-II	At Phulnakhara end:- DP Relay, R-ph, Zone 1, Dist-4.4km, Ia=1.72kA, In B/U Relay:-O/C R-ph At Pratapsasan end:- In DP Relay: R-ph, Zone 2, 18.1km, Ia: 2514.5A, Ib:77.4A, Ic:204.4A							
491	Jayapatna	25.09.22	04:25	04:43	00:18	160MVA AUTO TRF-1	O/C (R-Ph) & E/F with Master Trip	-	-	-	-	-	-	-
			04:25	04:45	00:20	132kV Jayapatna - Megalift-2 feeder	O/C (R-Ph) & E/F with Master Trip							
492	Therubali	25.09.22	11:48	25.09.22 12:52:00	25:04	220kV Therubali - Gunpur ckt-I	At Therubali end:- ABG, Ia=257A, Ib=455A, Ic=231.5A At Gunupur end:- Directional O/C, Ia=298A, Ib=305A, Ic=225A	-	-	-	-	-	-	-
			11:48	25.09.22 12:59:00	25:13	220kV Therubali - Narendrapur ckt-II	At Therubali end:- L3N, Z-3, Dist-164.64km, Ia=207A, Ib=242.5A, Ic=854.9A At Narendrapur end:- CG, Z-2, Dist-77.34km, Ia=224A, Ib=260A, Ic=872A							
493	Polasponga	25.09.22	12:18	12:20	00:02	132kV Polasponga - Railway feeder	Back up relay- O/C (R-PH) Ia=240.3.1A, Ib=137.9A, Ic=121.0A,Inm = 7.449A, Ind= 5.991A	Polasponga Tr.	00:02	-	-	0.000228	-	-
494	Bolani	25.09.22	12:34	12:47	00:13	132kV Barbil - Bolani - ARYA feeder	Power supply failure due to tripped of both feeders at Bolani end with E/F	Bolani , ARYA, BRPL Karakendra	00:13	-	-	0.005555	-	-
			12:35	12:49	00:14	132kV Karakhendra - Arya feeder	132kV Incoming supply failed from Arya side (Joda grid end) due to over current and earthfault in Bolani grid.							
495	Karanjia	25.09.22	14:51	15:07	00:16	132kV Karanjia - Palaspanga feeder	At Karanjia End:- DP relay, R &Y-ph, Zone-1, Distance=46.4km, Ir=0.86kA, ly=0.07kA, Ib=0.90kA	-	-	-	-	-	-	-

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
496	Budhipadar	25.09.22	15:11	26.09.22 14:16:00	21:05	220kV Budhipadar-Korba Ckt I (previously Korba-II)	At Budhipadar end:- D/P 1 realay operated(ABB):-TRSOTF, ZM2, ZM3, PSR, PSN D/P 2 relay operated(Siemens):-fault loop-R-E, IL1=1.18kA, Fault dist=143.7km(79.4%), AR operated but unsuccessful At Korba end:- D/P relay operated in Zone-1, fault loop=R-E, fault dist=14.10km, Ia=8.465KA, Ib=363A, Ic=126A, Ig=8.682kA [at loc.no-56(16KM from Korba end) R-ph top conductor snapped from disc insulator point & landed on bottom cross-arm.]	-	-	-	-	-	-	-
497	Balasore	25.09.22	20:15	20:30	00:15	132kV Balasore - Somanathpur ckt-I	At Balasore end:- Zone-2, Y-ph to N, Fault current IL1-153.7 A, IL2-8674 A, IL3-102.3 A At Somanathpur end:- Breaker didn't trip [The LA of 132KV Stork feeder is bursted at Ferro alloys switchyard tata steel]	Somanathpur Grid, Emami, Stork	00:15	-	-	0.002459	-	-
498	Somnathpur	25.09.22	20:15	20:30	00:15	M/S Emami	Source Failure	EMAMI STORK	00:15	-	-	0.0016	-	-
			20:15	28.09.22 19:28:00	71:13	M/s Ferro alloys Plant tata steel	Y-Ph, LA Brust at M/s ferro alloys plant switchward Tata steel.			-	-		-	-
499	Chatrapur	26.09.22	02:42	02:45	00:03	132kV Chatrapur - Rambha Traction feeder	O/C(Y,R Phase), with M/R IR=0.24KA,IY=0.24kA	Rambha Tr	00:03	-	-	0.000268	-	-
500	Jayanagar	26.09.22	16:58	17:28	00:30	132kV Jayanagar - Meenakshi feeder	Z3,45km,Y-B-G,2.6kA	-	-	-	-	-	-	-
501	Balugaon	27.09.22	01:35	01:39	00:04	132kV Balugaon - SOLARI Traction feeder	Tripped on B-Ph E/F, Z=1, Dist-5.38km, IR=0A, IY=12A, IB=1574A, IN=1549A	-	-	-	-	-	-	-
502	New Duburi	27.09.22	08:54	09:11	00:17	220kV Bus Coupler	At New Duburi end:- MAIN RELAY: O/C Picked up, E/F Picked up, IL1=0.32kA, IL2=0.06kA, IL3=0.32kA	-	-	-	-	-	-	-
503	Goda	27.09.22	08:54	09:13	00:19	220kV Goda - Duburi feeder	E/F, R-ph	-	-	-	-	-	-	-
504	Joda	27.09.22	12:40	13:06	00:26	132kV Joda - Kenduposi feeder	At Joda end:- DP relay, Zone-01, Fault Loop: A-N, Dist=18.29km, Fault Current:- Ia=2.534kA, Ib=114.8A, Ic=152.7A At Kenduposi end:- Not tripped	-	-	-	-	-	-	-

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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
505	Chandikhol	27.09.22	12:50	13:48	00:58	132kV Chandikhol - Kendrapara feeder	Tripped from Kendrapara end without any relay/breaker operation at Chandikhol end.	-	-	-	-	-	-	-
506	Kendrapara	27.09.22	12:50	17:19	04:29	132kV Kendrapara - Salipur feeder	At Kendrapara end:- DP, Zone-1, Dist=18.34km, Y-B-E, ly-1.613kA, lb=1.375kA At Salipur end:- TRIPPED ON LBB	Salipur, Mania, C } Olaver } Chandbali } Rajnagar }	00:16 00:21			0.015391		
			12:50	13:50	01:00	132kV Kendrapara - RAMCO ckt-II	At Kendrapara end:- No tripping At RAMCO end:- DP operated, Zone-3, Dist=57.9km							
			12:50	13:05	00:15	132kV Kendrapara - Marshaghai ckt-I	Tripped on LBB due to Salipur feeder LBB activation. At Marshaghai end:- No tripping							
			12:50	13:11	00:21	132kV Kendrapara - Pattamundai feeder	Tripped on LBB due to Salipur feeder LBB activation. At Pattamundai end:- No tripping							
			12:51	13:11	00:20	132kV Pattamundai - Rajnagar ckt-I	132kV P/S failed from 132/33 KV GSS at Pattamundai (source) end.							
			12:51	13:11	00:20	132kV Pattamundai - Rajnagar ckt-II	132kV P/S failed from 132/33 KV GSS at Pattamundai (source) end.							
			12:52	13:11	00:19	132kV Olaver - Chandbali ckt-I & II	Source Fail							
507	Mendhasal	27.09.22	13:01	13:29	00:28	220kV Mendhasal - Infocity-II feeder	Tripped on R-Y Ph O/C, Dist: 68.1km, IR=1.338kA, IY=1.360kA, Zone-III	-	-	-	-	-	-	-
			13:01	18:35	05:34	220kV Mendhasal - Chandaka ckt-I	At Mendhasal end:- Distance=11.9km, Zone-1 trip, Ia=5.09kA, Ib=4.86kA							
508	Laxmipur	27.09.22	13:14	13:23	00:09	220kV Laxmipur - Jayanagar ckt-I	R-E/F, Z-1, loc-16.82km	-	-	-	-	-	-	-
509	Lapanga	27.09.22	13:28	17:42	04:14	132kV Lapanga - SMC feeder	At Lapanga end:- R-ph-G, Dist-2.1km, Z1, IL1-13.02kA	-	-	-	-	-	-	-
510	Lapanga	27.09.22	13:35	15:00	01:25	160MVA Auto-2	LV SIDE:- O/C, RYB-ph TRIPPED, IL1-0.11kA, IL2-0.08kA, IL3-0.06kA [Heavy rainfall and lightning]	-	-	-	-	-	-	-
511	Kuchinda	27.09.22	13:37	13:53	00:16	132kV SMC(incoming) - Kuchinda feeder	At Kuchinda end:- DP, tripped phase-AN, Ia=713A, Ib=148.4A, Ic=23.6A, Van=38.6kV, Vbn=39.02kV, Vcn=82.6kV	-	-	-	-	-	-	-
512	Laxmipur	27.09.22	13:39	17:11	03:32	220kV Laxmipur - Jayanagar ckt-I	R-E/F, Z-1, loc-67km	-	-	-	-	-	-	-
513	Rajgangpur	27.09.22	14:27	14:43	00:16	132kV Rajgangpur - Tarkera ckt-II	At Tarkera end:- R -E, L1-0.53kA, L2-0.44kA, L3-0.26kA, MT Operated	-	-	-	-	-	-	-
514	Therubali	27.09.22	16:24	16:36	00:12	132kV Therubali - Rayagada feeder	At Therubali end:- BGT, Ia=33.7A, Ib=3448.1A, Ic=34.5A	-	-	-	-	-	-	-

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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
			16:38	16:42	00:04		At Therubali end:- BGT, Ia=4.6A, Ib=3557A, Ic=4A							
515	Katapali	27.09.22	21:15	21:30	00:15	132kV Katapali - Burla ckt-I	O/C	-	-	-	-	-	-	-
			21:15	21:19	00:04	132kV Burla - Chipilima feeder	Broken conductor relay indication							
516	Katapali	27.09.22	22:09	22:28	00:19	132kV Katapali - Burla ckt-I	O/C	-	-	-	-	-	-	-
			22:09	08:15	10:06	132kV Burla - Chipilima feeder								
			28.09.22											
517	Katapali	27.09.22	23:33	28.09.22	09:57	132kV Katapali - Burla ckt-II	B-ph jumper snapped at Katapali end	-	-	-	-	-	-	-
			09:30:00											
518	Nuapatna	28.09.22	11:48	12:01	00:13	132kV Nuapatna - Arati feeder	O/C R-ph [Flow of heavy wind]	-	-	-	-	-	-	-
519	Katapali	28.09.22	13:45	20:48	07:03	132kV Katapali - Burla ckt-II	Rph jumper snapped at loc no-09	-	-	-	-	-	-	-
520	Budhipadar	28.09.22	13:59	21:01	07:02	132kV Budhipadar-Lapanga feeder	At Budhipadar end:- D/P relay operated, fault loop=L1-L2, IL1=6.5kA, IL2=6.81kA, Dist=10.0km (58.6%), Zone1 [due to thunder and lightning] At Lapanaga end:- D/P relay operated, Dist=6.8km, Fault loop=L1-L2, IL1=8kA, IL2=8kA [Y-Ph jumper Jumper was snnaped at loc-144]	-	-	-	-	-	-	-
521	Sambalpur	28.09.22	14:06	14:33	00:27	132kV Sambalpur - Burla PH feeder	Power failed from Burla PH	-	-	-	-	-	-	-
522	Joda	28.09.22	15:49	20:33	04:44	220kV Joda - Ramchandrapur feeder	At Joda end:- DP Main-I: FL=CGT, Zone-2, Dist=122.04km, Fault current:- A=350A, B=74A, C=1001A, N=754A, G=754A, 3I2=1247A, DP Relay(Main-II): Fault Distance =138.7km, Fault phase: ABC, Fault current:- Ia=415.6A, Ib=173.6A, Ic=957.2A, VAN=123.5kV, VBN=123.7kV, VCN=87.19kV At Ramchandrapur end:- DP Main-I: Zone-1, Dist=06km, Fault current : Ib=12.78kA	-	-	-	-	-	-	-
523	Lapanga	28.09.22	16:35	16:55	00:20	400kV Lapanga - IBTPs ckt-II	At Lapanga end:- Bph-G, Dist-17.11km, Z1, IL3-9.493kA	-	-	-	-	-	-	-

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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	Budhipadar	28.09.22	17:34	21:01	03:27	132kV Budhipadar-Kalunga feeder	At Budhipadar end:- D/P relay operated, fault loop-L3-L1, IL1=1.542kA, IL2=369A, IL3=1.909kA, Fault dist=84.182km (83.35%), Zone2 .[due to thunder and lightning] At Kalunga end:- D/P relay operated, fault loop-L1-L3, IL1=319.1A, IL2=381.4A, IL3=457.7A, Fault Dist=26.6km, Zone1	-	-	-	-	-	-	-
525	Kantabanji	28.09.22	17:47	18:08	00:21	132kV Kantabanji - Khariar feeder	DP operated	Kantabanji Kantabanji Tr.	00:21	-	-	0.004741	-	-
526	Budhipadar	28.09.22	17:48	18:21	00:33	132kV Budhipadar-Bamra feeder	At Budhipadar end:- D/P relay operated, fault loop-L1-E, IL1=1.993kA, Fault dist=49.345km (93.1%), Zone1 At Bamra end:- D/P relay operated, Zone1, fault loop=R-E, IL1=1.720kA, Fault dist=1.93km	Bamra Tr.	00:33	-	-	0.001588	-	-
			17:48	18:27	00:39	132kV Rajgangpur - Bamra feeder	At Rajgangpur end:- AGT, IR=1640A, IY=97A, IB=33A, IG=1530A, DP operated, Master Trip, Dist -41.96km, Zone- 1							
527	Paradeep	28.09.22	18:11	18:16	00:05	132kV Paradeep - PPT ckt-II	At Paradeep end:- O/C, R-PH, IL1-6.02kA, IL2-0.2kA, IL3-.15kA	-	-	-	-	-	-	-
528	Budhipadar	28.09.22	18:24	19:07	00:43	220kV Budhipadar-Tarkera Ckt-1	At Budhipadar end:- AR blocked at budhipadar end due to PDR operated. DP operated Zone-1, fault loop=L1-E, IL1=4.46kA, fault dist=34.8km (31.6%) At Tarkera end:- AR was successful. D/P relay operated, Zone1, fault loop=L1-E, IL1=2.24kA, Fault dist=64.4km	-	-	-	-	-	-	-
529	Nuapada	28.09.22	19:23	19:34	00:11	132kV Nuapada - Padampur feeder	At Nuapada end:- DP operated, Zone-1, Distance=33.08km, Ia=132.2A, Ib=81.2A, Ic=178A [Heavy lightning and rainfall]	Nuapada, Nuapada Tr.	00:11	-	-	0.002434	-	-
530	Therubali	28.09.22	12:39	15:59	03:20	220kV Therubali - U.Kolab feeder	At Therubali end:- BN, Z-1, Dist-120.5km, Ia=50A, Ib=1.2kA, Ic=50A At U.Kolab end:- Z-1, BN, Dist-38.8km, Ib=4.9kA	-	-	-	-	-	-	-
			10:53	29.09.22 11:57:00	24:04		At Therubali end:- BN, Z-1, Dist-17.63km, Ia=50A, Ib=5kA, Ic=92A							

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
531	Balugaon	29.09.22	05:01	05:05	00:04	132kV Balugaon - SOLARI Traction feeder	Tripped on B-Ph E/F, Z-1, Dist- 5.38km, IR=0A, IY=12A, IB=1574A, IN=1575A	SOLARI Tr	00:04	-	-	0.000245	-	-
532	Karakhendra	29.09.22	16:07	16:30	00:23	132kV Karakhendra - Arya feeder	132kV Incoming supply failed from Arya side (Joda grid end) due to heavy rainfall and lightning.	Karakhendra	00:23	-	-	0.000112	-	-
533	Budhipadar	29.09.22	16:12	17:33	01:21	132kV Budhipadar-Bamra Ckt	At Budhipadar end:- D/P relay operated, fault loop-L1-E, IL1=5.489kA, IN=5.134kA, Fault dist=13.328km (25.15%), Zone1	-	-	-	-	-	-	-
534	Rourkela	29.09.22	16:12	16:20	00:08	132kV Rourkela - BKSteel feeder	D.P & M/T relay indication, DP relay details-Loc=42.83 km, Zone-1, event =AGT, Fault current details:- IA=2275 A, IB=389 A, IC=468 A, IN= 0 A, IG=1423 A	Bhalulata RTSS, BKSteel	00:08	-	-	0.002194	-	-
535	Kuchinda	29.09.22	16:16	16:39	00:23	132kV SMC(incoming) - Kuchinda feeder	At Kuchinda end:- DP, Tripped phase-BN, Zone-1, Fault loc-26.55km, Ia=192.7A, Ib=918A, Ic=64.28A, Van=83.99kV, Vbn=20.42kV, Vcn=85.8kV	-	-	-	-	-	-	-
536	Budhipadar	29.09.22	16:25	17:30	01:05	132kV Budhipadar-Kalunga Ckt	At Budhipadar end:- D/P relay operated, fault loop-L1-E, IL1=6.395kA, IN=6.130kA, Fault dist=10.664km (10.56%), Zone1	-	-	-	-	-	-	-
537	Katapali	29.09.22	16:39	17:12	00:33	220kV Katapali - Bolangir PG feeder	At Katapali end:- Main-1 DP operated, Main-2 A/R optd, main-1-Zone1, Ir=1.93 kA, R ph to ground fault and Main 2-Rph to ground, Zone 1 Ir=2.018 kA, Iy=171A, Ib=518.9A	-	-	-	-	-	-	-
538	Budhipadar	29.09.22	16:50	18:07	01:17	132kV Brajrajnagar - RTSS Kechhobahal feeder 132 KV Budhipadar Brajrajnagar feeder	Source failure Tripped at Budhipadar end.	Brajrajnagar Kechhobahal Tr.	01:17	-	-	0.001934	-	-
			16:50	18:01	01:11	132kV Budhipadar-Remja Ckt	At Budhipadar end:- D/P relay operated, fault loop-L1-E, IL1=8.043kA, Fault dist=8.638km, Zone1							
539	Khajuriakata	29.09.22	16:52	16:57	00:05	132kV Khajuriakata - Dhenkanal - Nuapatna T feeder	At Khajuriakata end:- B/U , O/C, B-ph At Dhenkanal end:- No tripping At Nuapatna end:- H/T	Dhenkanal Joranda Tr. Nerbharam	00:07	-	-	0.005193	-	-

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
			19:15	19:17	00:02	132kV Khajuriakata - Dhenkanal - Nuapatna T feeder	<u>At Khajuriakata end</u> :- B/U , O/C, B-ph <u>At Dhenkanal end</u> :- No tripping <u>At Nuapatna end</u> :- H/T							
540	Jayanagar	29.09.22	17:12	17:20	00:08	132kV Jayanagar - Podagarh feeder	Z1, 15.25km, Y-B-G, F.C-1.7kA	-	-	-	-	-	-	-
541	Budhipadar	29.09.22	17:13	17:42	00:29	132kV Budhipadar-MCL Ckt-I	<u>At Budhipadar end</u> :- B/U relay fault, O/C, e/f, R-ph	MCL	00:19			0.005007		
			17:13	17:32	00:19	132kV Budhipadar-MCL Ckt-II	<u>At Budhipadar end</u> :- D/P relay operated, fault loop-L1-E, IL1=4.542kA, Fault dist=15.12km, Zone1							
542	Khariar	29.09.22	17:48	18:08	00:20	132kV Kesinga - Khariar feeder	<u>At Khariar end</u> :- DP relay operated at distance- 31.01km, Zone-1, Ia-2.79kA, Ib-2.77kA, Ic-2.89kA	Khariar, Kantabanji Kantabanji Tr.	00:20	-	-	0.014455	-	-
543	Budhipadar	29.09.22	18:21	19:07	00:46	220 kV Budhipadar-IBTPS-IV	tripped at IB end only D/P relay operated	-	-	-	-	-	-	-
544	Telkoi	29.09.22	18:56	19:39	00:43	220kV Telkoi - TTPS feeder	DP, Ia=975.7A, Ib=75.22A, Ic=189A, Zone-I, Fault distance-44.09km	-	-	-	-	-	-	-
			20:55	21:45	00:50	220kV Telkoi - TTPS feeder	DP, Ia=1.008kA, Ib=76.82A, Ic=207.3A, Zone-I, Fault distance-43.74km							
545	Bhadrak	29.09.22	21:16	21:56	00:40	132kV Bhadrak - FACOR feeder	<u>At Bhadrak end</u> :- Started ph-C, Ia=117.2A, Ib=137.4 A, Ic=200A	Facor	00:40	-	-	1.67E-05	-	-
546	Budhipadar	30.09.22	13:50	14:22	00:32	220kV Budhipadar-Tarkera Ckt -I	<u>At Budhipadar end</u> :- D/P operated, Zone 1 trip, Bph to E fault loop, Dist- 20.7km, IL3- 4.69kA <u>At Tarkera end</u> :- D/P operated, Zone 1 trip, Bph to E fault loop, Dist- 93.5km, IL3- 4.69kA, AR operated and CB got charged at Tarkera end	-	-	-	-	-	-	-
547	Chhend	30.09.22	14:59	15:00	00:01	132kV Chhend - Nuagaon Traction Feeder	Tripped on O/C, IL1-0.21KA, IL2-0.21KA & 86B Trip relay operated.	Nuagaon Tr	00:01	-	-	6.8E-05	-	-

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
548	Joda	30.09.22	01:37	02:10	00:33	220kV Joda - TTPS ckt-II	At Joda end:- A/R successful. DP main-1 relay:- Zone-I, Fault Loop-C-N, Dist=102.3km, Fault current Ia=186.5A, Ib=148.4A, Ic=754.5A, VAN=135.1kV, VBN=135.6kV, VCN=71.89kV DP main-2 relay:- FL=CGT, Zone-I, Dist=119.89km, Fault current : A=187A, B=107A, C=767A, N=718A, G=312A At TTPS end:- DP relay, Zone-I, Dist=26.9km, Fault current Ia=200.9A, Ib=160.4A, Ic=5.399kA	-	-	-	-	-	-	-
549	Kesinga	30.09.22	22:16	01.10.22 12:47	14:31	220kV Kesinga - Bolangir PG feeder	DP	-	-	-	-	-	-	-
550	Meramundali	30.09.22	12:35	12:45	00:10	132kV Meramundali - BRG feeder	Directional O/C,M/T	BRG	00:10	-	-	0.001663	-	-
551	Paradeep	30.09.22	21:32	21:40	00:08	220kV Paradeep - IOCL feeder	At Paradeep end:- B-PH, C-N, Z-1, D-666.5MTR, Ia=459.8A, Ib=496.6A, Ic=3.652kA	IOCL	00:08	-	-	0.000868	-	-

OVERALL PERFORMANCE***Frequency Profile for the quarter (JULY'22-SEPTEMBER'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
JULY	744	130.35	17.52	60.12	8.08
AUGUST	744	107.12	14.40	64.48	8.67
SEPTEMBER	720	89.70	12.46	44.70	6.21
Total	2208	327.17	14.82	169.30	7.67

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

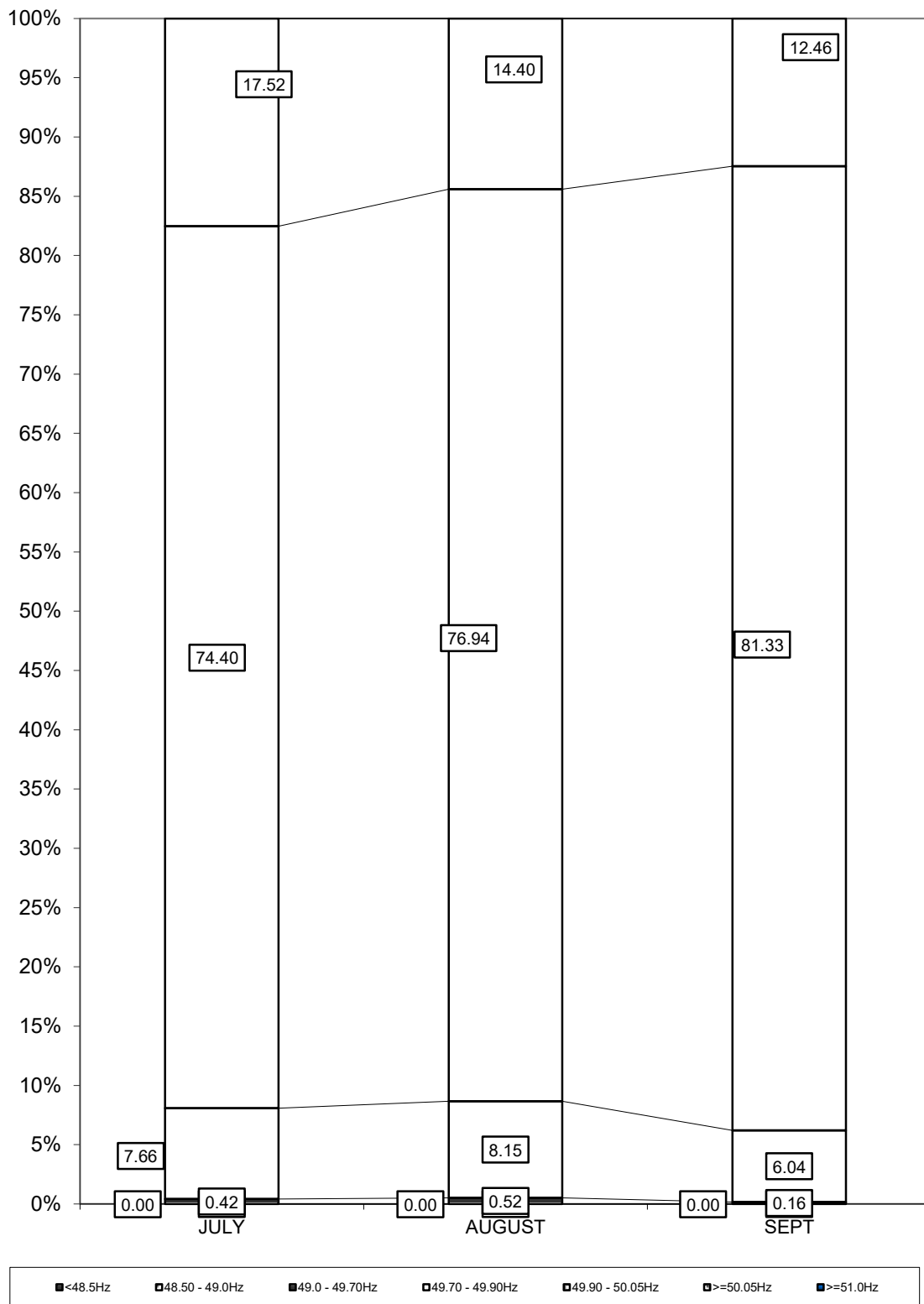
Month	Frequency (>50.05 Hz.)			Frequency (<49.9 Hz.)			
	Total duration (HRs)	Percentage of time	Maximum continuous period of deviation with date, time and reason	Month	Total duration (HRs)	Percentage of time	Maximum continuous period of deviation with date, time and reason
1	2	3	4	5	6	7	8
JULY	1.55	0.07	18.07.22 / 18:34 to 18.07.22 / 20:07	AUGUST	4.10	0.19	15.08.22 / 10:16 . 15.08.22 / 14:22

OVERALL PERFORMANCE***Frequency Profile for the quarter (JULY'22-SEPTEMBER'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

50.27	15.08.22	13:45	49.51	18.07.22	19:15	-
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FREQUENCY PROFILE



132KV VOLTAGE AT DIFFERENT GRID SUBSTATIONS

CESU ZONE

SUBSTATIONS	Jul.22						Aug.22						Sep.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	141.1	09.07.2022	17:15	132.8	31.07.2022	22:45	141.10	17.08.2022	05:45	133.0	05.08.2022	22:45	140.70	18.09.2022	16:30	134.0	05.09.2022	22:45
Argul	135.5	17.07.2022	05:00	124.5	28.07.2022	22:45	135.90	10.08.2022	04:15	124.9	02.08.2022	22:30	135.85	21.09.2022	04:30	126.7	05.09.2022	15:00
Badagada	137.2	17.07.2022	05:00	126.4	28.07.2022	22:45	138.05	14.08.2022	05:15	126.6	02.08.2022	22:15	138.10	24.09.2022	16:45	127.1	05.09.2022	14:45
Balugaon	138.4	17.07.2022	02:00	121.0	21.07.2022	20:45	137.46	14.08.2022	00:00	120.1	02.08.2022	22:45	138.73	18.09.2022	20:15	122.5	01.09.2022	22:45
Banki	135.8	17.07.2022	05:15	124.2	28.07.2022	23:00	139.25	14.08.2022	05:30	125.1	02.08.2022	22:30	136.14	18.09.2022	17:45	125.5	15.09.2022	10:30
Bhubaneswar	139.1	17.07.2022	05:00	128.2	28.07.2022	22:45	139.89	14.08.2022	05:15	128.3	02.08.2022	22:30	138.62	20.09.2022	03:45	128.5	05.09.2022	14:45
Bidanasi	138.3	17.07.2022	05:15	127.6	28.07.2022	23:00	139.08	14.08.2022	05:15	128.2	02.08.2022	23:00	137.52	20.09.2022	04:00	127.9	27.09.2022	15:30
Boinda	142.5	09.07.2022	17:15	130.6	16.07.2022	10:30	142.60	09.08.2022	13:00	125.6	30.08.2022	21:30	142.83	18.09.2022	16:30	126.6	02.09.2022	19:00
Chainpal	140.5	09.07.2022	17:15	133.7	28.07.2022	22:45	140.98	09.08.2022	13:00	131.5	16.08.2022	23:00	141.91	18.09.2022	16:15	131.6	27.09.2022	15:30
Chandaka	137.5	17.07.2022	05:00	126.8	28.07.2022	22:45	138.16	14.08.2022	05:15	127.0	02.08.2022	22:45	137.00	20.09.2022	03:45	127.2	05.09.2022	14:45
Chandpur	135.9	17.07.2022	05:00	124.3	28.07.2022	22:45	135.90	14.08.2022	05:15	124.7	02.08.2022	23:00	135.67	21.09.2022	04:30	126.3	05.09.2022	15:00
Choudwar	138.5	17.07.2022	05:15	127.4	28.07.2022	22:45	139.71	14.08.2022	05:00	127.7	18.08.2022	14:15	137.64	20.09.2022	03:45	127.9	27.09.2022	15:00
Cuttack	137.0	17.07.2022	05:00	126.1	30.07.2022	15:45	137.75	14.08.2022	05:15	126.0	02.08.2022	12:15	136.25	20.09.2022	03:45	126.2	05.09.2022	14:45
Dhenkanal	139.8	09.07.2022	18:00	131.6	06.07.2022	20:00	140.64	14.08.2022	02:45	131.0	16.08.2022	23:00	139.25	13.09.2022	13:45	126.0	29.09.2022	19:00
Jagatsinghpur	141.1	02.07.2022	16:00	118.2	28.07.2022	22:45	139.83	19.08.2022	10:30	111.8	06.08.2022	10:45	135.67	20.09.2022	03:45	117.0	16.09.2022	19:45
Kalarangi	139.5	09.07.2022	17:15	130.3	28.07.2022	22:45	139.95	11.08.2022	05:30	131.2	23.08.2022	19:15	138.85	11.09.2022	06:00	132.7	01.09.2022	21:30
Kamakhyanagar	138.6	09.07.2022	17:15	129.7	31.07.2022	22:45	138.85	11.08.2022	05:30	130.4	23.08.2022	19:15	139.14	18.09.2022	16:00	132.6	01.09.2022	21:30
Kendrapada	142.7	02.07.2022	15:45	122.3	28.07.2022	22:45	140.12	01.08.2022	18:15	118.7	29.08.2022	22:00	138.33	11.09.2022	13:15	119.0	16.09.2022	19:15
Khajuriakata	140.6	09.07.2022	18:00	132.6	28.07.2022	23:00	141.16	14.08.2022	03:00	132.1	16.08.2022	23:00	140.12	13.09.2022	13:15	130.7	29.09.2022	19:00
KhuntuniGIS	138.7	17.07.2022	05:15	128.5	28.07.2022	22:45	139.83	14.08.2022	02:45	127.0	26.08.2022	15:45	138.77	13.09.2022	14:00	127.1	28.09.2022	14:30
Khurda	135.8	17.07.2022	05:00	124.5	28.07.2022	22:45	136.14	14.08.2022	05:15	124.9	02.08.2022	22:45	135.85	21.09.2022	04:30	126.8	05.09.2022	14:45
Konark	139.3	16.07.2022	05:45	126.4	28.07.2022	22:45	139.31	19.08.2022	04:15	125.1	30.08.2022	15:15	137.17	20.09.2022	03:45	125.1	02.09.2022	15:45
Mania	138.3	17.07.2022	05:15	126.8	28.07.2022	23:00	139.66	14.08.2022	13:00	127.2	26.08.2022	15:45	137.29	20.09.2022	01:30	123.5	27.09.2022	09:30
Marshaghai	142.8	02.07.2022	15:45	122.3	28.07.2022	22:45	139.65	01.08.2022	18:15	125.0	05.08.2022	22:00	138.72	11.09.2022	13:15	119.8	16.09.2022	19:15
Nimapara	138.5	16.07.2022	05:45	125.0	03.07.2022	22:45	138.44	19.08.2022	04:15	124.5	30.08.2022	15:15	136.65	21.09.2022	04:30	124.7	02.09.2022	15:45
Nuapatana	136.1	20.07.2022	13:45	124.5	28.07.2022	22:45	139.71	14.08.2022	05:00	125.6	02.08.2022	22:45	136.42	18.09.2022	17:45	125.7	15.09.2022	10:15
Olaver	143.6	02.07.2022	16:15	119.0	28.07.2022	22:45	140.82	01.08.2022	18:15	115.8	29.08.2022	22:00	137.52	11.09.2022	13:15	116.6	16.09.2022	19:45
Paradeep	140.5	02.07.2022	16:15	123.7	28.07.2022	22:45	138.33	01.08.2022	18:15	120.8	29.08.2022	22:00	136.48	11.09.2022	13:15	120.8	16.09.2022	19:45
Pattamundai	142.3	02.07.2022	15:45	120.0	28.07.2022	22:45	139.77	01.08.2022	18:15	116.7	29.08.2022	22:00	137.35	11.09.2022	13:15	117.3	16.09.2022	19:15
Phulnakhara	138.6	17.07.2022	05:00	127.9	28.07.2022	22:45	139.31	14.08.2022	05:15	128.1	02.08.2022	22:15	137.81	20.09.2022	03:45	128.1	05.09.2022	14:45
Puri	134.5	20.07.2022	05:00	111.3	28.07.2022	23:00	137.11	10.08.2022	03:15	117.2	01.08.2022	00:00	136.99	21.09.2022	04:30	120.6	04.09.2022	15:15
Ranasinghpur	137.9	17.07.2022	05:00	124.7	28.07.2022	22:45	138.79	14.08.2022	03:30	125.3	02.08.2022	22:45	137.52	21.09.2022	04:15	125.7	05.09.2022	14:45
Salipur	138.2	09.07.2022	17:45	123.8	04.07.2022	19:30	139.54	14.08.2022	05:00	122.5	29.08.2022	15:15	137.35	21.09.2022	02:45	116.9	16.09.2022	19:45
Samangara	139.7	16.07.2022	05:45	125.5	03.07.2022	22:45	139.25	19.08.2022	04:15	115.8	27.08.2022	22:45	137.52	20.09.2022	03:45	118.3	24.09.2022	19:30
Shamuka	134.9	20.07.2022	04:45	114.9	31.07.2022	22:45	134.69	15.08.2022	03:45	116.8	01.08.2022	00:00	134.63	21.09.2022	04:15	120.8	02.09.2022	23:00
Tirtol	141.5	02.07.2022	16:00	120.4	28.07.2022	22:45	139.85	19.08.2022	10:30	117.4	29.08.2022	22:00	138.43	12.09.2022	03:00	118.7	16.09.2022	19:45
Unit-8GIS	137.1	17.07.2022	05:00	127.4	28.07.2022	22:45	137.92	11.08.2022	02:30	127.4	02.08.2022	22:30	136.48	21.09.2022	04:30	127.4	05.09.2022	14:45

132KV VOLTAGE AT DIFFERENT GRID SUBSTATIONS

NESCO ZONE

SUBSTATIONS	Jul.22						Aug.22						Sep.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	01.07.2022	16:00	120.9	31.07.2022	22:30	137.45	20.08.2022	05:00	122.4	05.08.2022	22:15	136.60	20.09.2022	11:15	126.8	01.09.2022	21:45
Anandpur	138.8	01.07.2022	15:45	128.5	28.07.2022	22:45	139.54	10.08.2022	03:00	129.1	17.08.2022	22:15	137.98	11.09.2022	06:00	129.8	01.09.2022	21:30
Balasore	138.5	01.07.2022	15:45	126.0	31.07.2022	22:30	139.60	20.08.2022	03:00	126.5	17.08.2022	22:30	138.10	11.09.2022	06:00	128.9	05.09.2022	14:45
Bangiriposi	135.3	01.07.2022	15:45	123.3	31.07.2022	22:30	139.25	20.08.2022	03:45	124.4	01.08.2022	00:00	136.14	11.09.2022	14:00	126.8	01.09.2022	21:45
Barbil	136.3	31.07.2022	00:00	118.2	27.07.2022	10:30	139.71	20.08.2022	06:00	127.1	30.08.2022	11:30	139.54	11.09.2022	14:30	128.9	30.09.2022	19:15
Baripada	135.2	09.07.2022	18:00	124.8	31.07.2022	22:30	139.03	20.08.2022	03:30	120.7	30.08.2022	12:00	135.39	12.09.2022	05:15	121.8	04.09.2022	14:45
Basta	138.3	01.07.2022	15:45	124.3	31.07.2022	22:15	139.43	20.08.2022	03:00	123.9	02.08.2022	13:00	137.06	12.09.2022	05:15	127.0	01.09.2022	21:45
Betanati	136.7	01.07.2022	15:45	125.1	31.07.2022	22:30	140.03	20.08.2022	03:00	123.1	30.08.2022	12:00	136.31	11.09.2022	06:00	127.7	02.09.2022	22:45
Bhadrak	136.4	01.07.2022	16:15	120.1	31.07.2022	22:30	137.12	14.08.2022	05:15	121.5	02.08.2022	22:15	136.89	03.09.2022	17:30	125.5	29.09.2022	22:45
Bhograi	137.7	01.07.2022	15:45	122.0	31.07.2022	22:30	139.07	20.08.2022	03:45	121.4	18.08.2022	19:30	136.62	12.09.2022	05:30	124.8	01.09.2022	21:45
Bolani	136.0	31.07.2022	00:00	117.9	27.07.2022	10:30	139.60	20.08.2022	06:00	127.1	30.08.2022	11:30	139.54	11.09.2022	14:30	128.5	30.09.2022	19:15
ChandabaliGIS	143.4	02.07.2022	16:15	120.5	28.07.2022	22:45	140.55	01.08.2022	18:15	117.0	29.08.2022	22:00	137.88	11.09.2022	13:15	117.6	16.09.2022	19:45
Chandikhol	140.1	01.07.2022	15:45	123.5	29.07.2022	15:15	139.77	14.08.2022	05:15	117.1	29.08.2022	19:30	138.27	12.09.2022	02:45	127.8	14.09.2022	10:30
Dhenkikote	135.7	23.07.2022	05:15	113.9	31.07.2022	22:45	140.06	20.08.2022	04:30	115.9	01.08.2022	00:00	135.15	17.09.2022	16:30	120.1	05.09.2022	20:30
DuburiO	138.8	09.07.2022	17:45	129.4	28.07.2022	22:45	139.43	10.08.2022	03:00	130.4	23.08.2022	19:15	138.27	11.09.2022	06:00	131.3	01.09.2022	21:30
JaipurRoad	139.0	01.07.2022	15:45	128.9	28.07.2022	22:45	139.48	10.08.2022	03:00	129.8	23.08.2022	19:15	138.10	11.09.2022	06:00	130.6	01.09.2022	21:30
JaipurTown	135.3	01.07.2022	16:30	117.4	28.07.2022	22:00	136.25	10.08.2022	10:00	119.7	05.08.2022	21:45	136.77	03.09.2022	17:30	122.9	01.09.2022	21:30
Jaleswar	137.3	01.07.2022	15:45	123.5	31.07.2022	22:15	138.62	20.08.2022	03:45	121.7	02.08.2022	13:00	136.31	12.09.2022	05:15	126.1	01.09.2022	21:30
Joda	135.9	31.07.2022	00:00	120.7	27.07.2022	10:30	139.14	20.08.2022	05:45	130.5	30.08.2022	19:00	139.02	11.09.2022	14:15	128.8	28.09.2022	16:45
Karanja	136.0	23.07.2022	05:15	114.2	31.07.2022	22:30	140.29	20.08.2022	04:30	116.7	01.08.2022	00:00	135.27	17.09.2022	16:30	120.7	05.09.2022	20:30
Polasponga	136.3	23.07.2022	05:15	116.1	27.07.2022	10:30	139.48	20.08.2022	03:30	122.0	30.08.2022	10:15	139.08	11.09.2022	14:30	124.5	30.09.2022	19:30
Rairangpur	133.1	12.07.2022	13:45	121.2	04.07.2022	22:30	146.50	20.08.2022	04:30	124.1	05.08.2022	21:45	140.86	11.09.2022	14:00	127.8	05.09.2022	20:30
Somnathpur	138.0	01.07.2022	15:45	125.8	31.07.2022	22:30	139.31	20.08.2022	03:15	126.2	17.08.2022	22:30	137.75	11.09.2022	06:00	128.5	05.09.2022	15:00
Soro	136.0	01.07.2022	15:45	120.1	13.07.2022	22:45	137.64	20.08.2022	05:00	122.0	05.08.2022	21:45	136.08	11.09.2022	06:15	125.3	01.09.2022	21:30
Udala	137.8	01.07.2022	15:45	125.3	31.07.2022	22:30	140.33	20.08.2022	03:00	125.8	17.08.2022	22:30	137.18	11.09.2022	06:00	128.0	01.09.2022	21:30

SOUTHCO ZONE

SUBSTATIONS	Jul.22						Aug.22						Sep.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	138.0	02.07.2022	06:00	116.0	27.07.2022	21:00	142.98	21.08.2022	16:15	116.5	02.08.2022	11:30	143.98	21.09.2022	01:30	121.7	29.09.2022	11:30
Aska	143.4	07.07.2022	14:00	132.6	10.07.2022	19:30	141.74	09.08.2022	03:15	129.6	03.08.2022	07:30	141.39	13.09.2022	13:00	131.6	05.09.2022	12:15
Berhampur	138.9	05.07.2022	13:15	124.5	28.07.2022	22:45	139.67	10.08.2022	04:15	124.7	02.08.2022	22:45	139.03	20.09.2022	03:30	126.0	01.09.2022	12:15
Bhanjanagar	137.2	07.07.2022	14:00	127.0	28.07.2022	22:45	137.52	14.08.2022	03:30	127.6	05.08.2022	19:15	138.04	13.09.2022	13:00	130.2	26.09.2022	18:15
Boudh	135.3	02.07.2022	04:45	116.4	27.07.2022	19:15	136.30	15.08.2022	05:00	113.9	03.08.2022	19:30	137.08	18.09.2022	20:45	115.0	10.09.2022	10:45
Chatrapur	139.7	18.07.2022	11:15	124.7	28.07.2022	22:45	139.95	10.08.2022	04:15	124.9	02.08.2022	22:45	139.31	20.09.2022	02:15	126.1	01.09.2022	12:00
Chikiti	142.9	07.07.2022	14:00	128.3	28.07.2022	22:45	141.45	09.08.2022	03:45	127.0	03.08.2022	07:30	140.00	20.09.2022	03:45	126.4	16.09.2022	22:45
Dabugaon	136.0	12.07.2022	05:30	125.5	28.07.2022	20:30	135.14	15.08.2022	03:45	125.5	02.08.2022	19:30	134.36	30.09.2022	13:30	125.7	16.09.2022	15:15
Digapahandi	145.1	07.07.2022	14:00	130.5	28.07.2022	22:45	143.70	09.08.2022	03:30	129.1	03.08.2022	07:30	142.25	20.09.2022	03:45	128.4	16.09.2022	22:45
Ganjam	139.4	18.07.2022	11:15	124.4	28.07.2022	22:45	139.58	10.08.2022	04:15	124.7	02.08.2022	22:45	139.04	20.09.2022	03:30	125.2	01.09.2022	12:15
Jayanagar	139.7	12.07.2022	05:30	132.7	30.07.2022	11:30	139.60	15.08.2022	04:15	133.2	02.08.2022	08:15	138.62	11.09.2022	13:15	131.7	15.09.2022	10:15
Mohana	140.3	01.07.2022	18:30	119.0	30.07.2022	12:30	142.62	21.08.2022	16:15	118.0	02.08.2022	11:30	140.59	21.09.2022	01:30	119.9	29.09.2022	11:30
Narendrapur	143.6	18.07.2022	11:15	128.7	28.07.2022	22:45	143.99	10.08.2022	04:15	129.0	02.08.2022	22:45	143.41	20.09.2022	03:30	130.2	01.09.2022	12:15
Paralakhemendi	137.1	02.07.2022	06:00	115.9	27.07.2022	21:00	144.04	21.08.2022	16:15	115.9	02.08.2022	11:30	138.39	04.09.2022	16:30	118.6	05.09.2022	12:30
Phulbani	138.1	17.07.2022	04:15	125.2	28.07.2022	19:30	138.56	15.08.2022	03:45	124.9	05.08.2022	19:15	137.92	13.09.2022	13:00	128.1	26.09.2022	18:30
Podagada	140.2	28.07.2022	17:30	126.8	30.07.2022	12:30	144.15	06.08.2022	13:15	126.3	02.08.2022	11:30	143.71	14.09.2022	04:45	127.5	05.09.2022	12:00
Potangi	137.0	13.07.2022	03:30	128.6	29.07.2022	14:15	137.47	15.08.2022	04:15	129.2	02.08.2022	08:15	138.77	04.09.2022	14:15	125.2	04.09.2022	12:30
Purushottampur	140.5	07.07.2022	14:00	127.8	28.07.2022	19:30	140.27	09.08.2022	03:45	123.5	30.08.2022	15:30	139.85	13.09.2022	13:15	122.9	01.09.2022	12:15
Rayagada	145.2	03.07.2022	03:30	123.5	27.07.2022	21:00	146.34	14.08.2022	04:00	123.4	02.08.2022	11:30	146.85	29.09.2022	14:00	125.6	29.09.2022	11:30
Sunabeda	139.9	13.07.2022	03:30	131.1	29.07.2022	14:15	140.12	15.08.2022	04:15	132.0	02.08.2022	08:15	139.14	11.09.2022	13:15	130.8	15.09.2022	10:15
Tentulikhunti	142.9	29.07.2022	13:15	131.7	30.07.2022	11:15	139.71	15.08.2022	04:15	132.2	02.08.2022	19:30	140.35	09.09.2022	11:15	132.2	15.09.2022	10:15
Therubali	143.6	07.07.2022	14:00	134.2	28.07.2022	22:15	143.41	14.08.2022	03:45	134.5	05.08.2022	19:15	143.76	29.09.2022	14:15	136.5	15.09.2022	10:15
Umerkote	136.6	01.07.2022	16:30	124.7	28.07.2022	19:15	136.14	15.08.2022	03:45	125.4	22.08.2022	19:45	136.74	18.09.2022	18:45	125.1	26.09.2022	18:15

132KV VOLTAGE AT DIFFERENT GRID SUBSTATIONS

WESCO ZONE

SUBSTATIONS	Jul.22						Aug.22						Sep.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	134.6	13.07.2022	00:15	117.5	29.07.2022	16:45	137.46	15.08.2022	03:30	114.7	03.08.2022	19:30	137.75	18.09.2022	20:45	114.1	10.09.2022	11:00
Bargarh	136.2	02.07.2022	05:00	122.2	31.07.2022	16:30	137.75	15.08.2022	03:30	121.9	02.08.2022	16:30	138.04	18.09.2022	21:30	120.3	12.09.2022	18:30
Bhawanipatna	141.1	01.07.2022	18:30	124.5	27.07.2022	19:15	144.55	15.08.2022	03:30	121.9	03.08.2022	19:30	143.88	18.09.2022	21:30	126.8	10.09.2022	11:00
Bolangir	153.0	17.07.2022	13:15	123.9	27.07.2022	19:15	138.62	15.08.2022	03:30	121.3	03.08.2022	19:30	138.39	18.09.2022	20:45	120.1	10.09.2022	11:00
Brajarajnagar	143.1	01.07.2022	03:00	136.0	31.07.2022	16:00	142.35	15.08.2022	04:45	134.9	02.08.2022	16:15	143.09	29.09.2022	16:45	135.8	16.09.2022	16:45
Budhipadar	135.2	01.07.2022	03:00	130.7	31.07.2022	15:45	134.58	15.08.2022	03:30	129.6	02.08.2022	16:30	135.62	29.09.2022	17:00	130.0	16.09.2022	16:30
Chend	135.2	03.07.2022	06:00	129.4	31.07.2022	12:15	134.46	24.08.2022	06:00	128.4	02.08.2022	11:30	134.40	20.09.2022	16:30	129.4	26.09.2022	12:30
ChipilimaP.H.	136.8	02.07.2022	05:00	129.6	31.07.2022	16:00	137.24	15.08.2022	03:30	128.9	02.08.2022	19:15	137.84	18.09.2022	20:45	128.9	16.09.2022	16:30
Ghens	137.5	26.07.2022	05:30	123.5	31.07.2022	16:15	138.56	15.08.2022	03:30	122.8	03.08.2022	17:30	139.02	18.09.2022	21:30	118.7	12.09.2022	07:00
Jharsuguda	136.5	01.07.2022	03:00	131.8	31.07.2022	15:45	135.85	15.08.2022	03:30	130.8	02.08.2022	16:30	136.60	29.09.2022	17:00	131.2	16.09.2022	16:30
Jayapatna	139.0	12.07.2022	05:45	129.7	28.07.2022	22:45	137.81	15.08.2022	09:00	130.1	02.08.2022	19:30	136.89	21.09.2022	03:45	131.1	26.09.2022	23:15
Junagarah	134.5	01.07.2022	04:00	131.7	01.07.2022	06:00	141.22	15.08.2022	03:15	120.3	03.08.2022	19:30	140.58	18.09.2022	21:30	123.7	10.09.2022	11:00
Kalunga	136.1	03.07.2022	05:30	122.1	22.07.2022	08:45	135.64	24.08.2022	06:00	121.0	02.08.2022	16:15	134.96	12.09.2022	03:15	120.6	16.09.2022	10:45
Kantabanji	139.4	09.07.2022	17:45	118.9	27.07.2022	19:30	141.10	15.08.2022	05:00	113.2	05.08.2022	11:30	141.45	18.09.2022	21:30	117.9	26.09.2022	18:15
Katapali	135.8	02.07.2022	05:00	130.4	31.07.2022	16:00	136.31	15.08.2022	03:30	130.1	02.08.2022	19:15	136.83	18.09.2022	20:45	130.5	16.09.2022	16:30
Kesinga	137.8	02.07.2022	13:30	123.8	27.07.2022	19:15	140.00	15.08.2022	03:30	120.8	03.08.2022	19:30	140.23	18.09.2022	21:30	123.0	10.09.2022	11:00
Khariar	142.3	09.07.2022	17:45	120.0	27.07.2022	19:30	148.19	15.08.2022	05:00	118.5	05.08.2022	11:30	149.07	18.09.2022	21:30	123.8	26.09.2022	18:15
Kuchinda	135.9	02.07.2022	12:00	124.4	26.07.2022	12:15	136.23	28.08.2022	13:45	120.5	04.08.2022	13:30	134.56	03.09.2022	12:30	120.8	08.09.2022	18:45
Lapanga	136.7	02.07.2022	09:00	132.2	31.07.2022	15:45	136.25	15.08.2022	03:30	131.3	02.08.2022	19:15	136.37	18.09.2022	21:00	131.6	28.09.2022	16:45
Maneswar	140.3	07.07.2022	11:15	129.3	29.07.2022	16:00	143.21	07.08.2022	14:45	121.6	16.08.2022	21:30	141.21	28.09.2022	14:15	128.1	28.09.2022	14:00
Nuapada	137.8	02.07.2022	05:00	116.6	31.07.2022	16:30	140.54	15.08.2022	04:15	112.3	03.08.2022	19:30	136.00	29.09.2022	19:30	116.2	27.09.2022	11:15
Padampur	142.7	02.07.2022	05:00	114.6	27.07.2022	11:15	147.68	15.08.2022	04:15	116.8	03.08.2022	19:30	144.10	29.09.2022	19:30	117.8	27.09.2022	11:15
Patnagarh	135.9	02.07.2022	05:00	121.1	31.07.2022	16:45	137.00	15.08.2022	03:30	117.7	02.08.2022	19:15	136.65	18.09.2022	20:45	117.7	10.09.2022	11:00
Rairakhol	142.6	09.07.2022	17:00	131.1	16.07.2022	10:30	143.29	06.08.2022	13:45	125.6	16.08.2022	21:30	142.95	18.09.2022	16:30	127.5	02.09.2022	19:15
Rajgangpur	135.5	03.07.2022	06:00	129.8	02.07.2022	10:15	135.27	15.08.2022	00:00	124.4	01.08.2022	14:45	135.04	27.09.2022	14:30	125.5	23.09.2022	08:45
Rourkela	135.8	03.07.2022	05:30	130.2	31.07.2022	12:15	135.15	24.08.2022	06:00	129.1	02.08.2022	11:30	135.27	20.09.2022	16:30	130.3	26.09.2022	12:30
Sadeipali	134.6	02.07.2022	08:45	123.1	27.07.2022	19:15	136.25	15.08.2022	03:30	120.4	03.08.2022	19:30	137.12	18.09.2022	20:45	118.9	10.09.2022	11:00
Sambalpur	136.2	06.07.2022	03:45	130.1	29.07.2022	16:30	136.71	15.08.2022	03:30	121.1	16.08.2022	21:30	136.60	18.09.2022	18:45	129.3	16.09.2022	18:45
Sonepur	135.0	02.07.2022	05:00	117.4	27.07.2022	19:15	136.37	15.08.2022	04:15	115.5	03.08.2022	19:30	137.23	18.09.2022	20:45	115.4	10.09.2022	11:00
Sundargarah	137.3	02.07.2022	10:15	132.4	31.07.2022	15:45	136.83	15.08.2022	03:30	131.2	02.08.2022	19:15	137.87	29.09.2022	17:00	131.5	16.09.2022	16:45
Tusura	137.4	02.07.2022	05:00	121.6	27.07.2022	19:30	138.40	15.08.2022	05:00	119.0	03.08.2022	19:45	138.91	18.09.2022	21:30	119.1	10.09.2022	11:00

400KV VOLTAGE AT DIFFERENT GRID SUBSTATIONS

SUBSTATIONS	Jul.22						Aug.22						Sep.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	418.2	09.07.2022	17:45	398.3	31.07.2022	22:30	419.0	11.08.2022	14:00	398.5	24.08.2022	22:00	415.3	13.09.2022	14:00	400.4	01.09.2022	22:45
Lapanga	412.9	15.07.2022	05:00	407.3	29.07.2022	11:30	412.1	07.08.2022	14:00	404.2	18.08.2022	07:15	412.0	11.09.2022	14:00	403.5	26.09.2022	09:15
Mendhasal	416.2	09.07.2022	17:30	393.9	29.07.2022	15:30	416.9	10.08.2022	04:00	396.4	26.08.2022	14:45	414.2	21.09.2022	04:30	397.3	05.09.2022	14:45
Meramundali	416.0	09.07.2022	17:30	401.5	29.07.2022	15:30	416.8	11.08.2022	13:30	402.9	05.08.2022	20:45	415.9	11.09.2022	14:00	404.6	02.09.2022	15:30

220KV VOLTAGE AT DIFFERENT GRID SUBSTATIONS

SUBSTATIONS	Jul.22						Aug.22						Sep.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	236.9	07.07.2022	14:00	219.0	28.07.2022	22:45	237.4	14.08.2022	03:30	219.5	05.08.2022	20:30	239.0	13.09.2022	13:00	224.8	26.09.2022	18:15
Atri	231.2	17.07.2022	05:00	215.4	28.07.2022	22:45	232.1	10.08.2022	04:15	215.9	02.08.2022	22:30	230.4	21.09.2022	04:30	216.7	05.09.2022	14:45
Balasore	230.4	01.07.2022	15:45	212.7	31.07.2022	22:30	232.5	20.08.2022	03:00	212.9	17.08.2022	22:30	230.6	11.09.2022	06:00	216.6	05.09.2022	14:45
Balimela	244.0	17.07.2022	04:45	232.5	21.07.2022	12:45	243.8	09.08.2022	12:15	233.5	01.08.2022	12:15	242.7	08.09.2022	03:30	231.3	15.09.2022	10:15
Barkote	235.0	06.07.2022	06:00	219.2	07.07.2022	13:00	236.9	11.08.2022	13:30	223.5	02.08.2022	11:30	235.5	18.09.2022	16:00	223.1	05.09.2022	23:15
Bargarh	227.1	02.07.2022	05:00	208.5	28.07.2022	16:45	228.4	15.08.2022	03:30	208.9	02.08.2022	19:15	229.9	18.09.2022	21:30	208.8	10.09.2022	11:00
Bhadrak	229.8	01.07.2022	16:00	207.4	16.07.2022	19:30	231.6	20.08.2022	03:00	211.0	05.08.2022	21:45	230.2	11.09.2022	06:15	215.3	01.09.2022	21:30
Bhanjanagar	237.3	07.07.2022	14:00	219.7	28.07.2022	22:45	237.3	14.08.2022	03:30	219.5	27.08.2022	13:45	239.0	13.09.2022	13:00	225.5	26.09.2022	18:15
Bidanasi	232.0	17.07.2022	05:00	215.1	28.07.2022	22:45	233.2	14.08.2022	05:15	215.7	02.08.2022	22:45	230.9	20.09.2022	03:45	215.9	05.09.2022	14:45
BolangirN	230.0	02.07.2022	05:00	212.7	27.07.2022	19:15	231.1	15.08.2022	03:30	209.1	03.08.2022	19:30	233.8	18.09.2022	21:30	209.4	10.09.2022	10:45
Budhipadar	229.6	15.07.2022	05:00	225.2	31.07.2022	15:45	229.6	25.08.2022	04:30	223.3	02.08.2022	16:30	228.7	18.09.2022	19:45	223.0	27.09.2022	14:45
Chandaka	229.9	17.07.2022	05:00	213.6	28.07.2022	22:45	230.8	14.08.2022	05:15	214.2	02.08.2022	22:45	228.9	21.09.2022	04:30	214.7	05.09.2022	14:45
Cuttack	235.8	05.07.2022	10:30	212.4	30.07.2022	15:45	231.1	11.08.2022	02:30	212.4	30.08.2022	15:15	226.6	11.09.2022	14:15	209.1	05.09.2022	15:15
Duburi Old	229.1	09.07.2022	16:45	214.1	30.07.2022	22:30	230.0	11.08.2022	14:00	213.7	05.08.2022	22:15	229.6	11.09.2022	06:00	219.3	01.09.2022	21:30
Duburi New	232.1	09.07.2022	17:45	216.7	28.07.2022	22:45	232.5	11.08.2022	14:00	218.6	05.08.2022	22:15	231.0	11.09.2022	06:00	220.5	01.09.2022	21:30
Infocity-II GIS	231.8	17.07.2022	05:00	216.0	28.07.2022	22:45	232.7	14.08.2022	05:15	216.7	02.08.2022	22:30	231.0	21.09.2022	04:30	217.2	05.09.2022	14:45
Jayanagar	241.1	12.07.2022	05:30	230.9	21.07.2022	12:45	240.9	14.08.2022	04:00	231.7	02.08.2022	19:15	240.0	08.09.2022	03:30	229.8	15.09.2022	10:15
Joda	227.8	02.07.2022	05:00	219.0	31.07.2022	16:15	228.9	15.08.2022	03:30	217.5	02.08.2022	19:15	229.4	18.09.2022	20:45	219.1	16.09.2022	16:30
Katapalli	227.8	02.07.2022	05:00	219.0	31.07.2022	16:15	228.9	15.08.2022	03:30	217.5	02.08.2022	19:15	229.3	18.09.2022	20:45	219.0	16.09.2022	16:30
KeonjharGIS	225.6	12.07.2022	13:15	214.5	29.07.2022	14:45	222.9	11.08.2022	13:45	214.8	05.08.2022	20:45	221.7	12.09.2022	05:00	216.0	14.09.2022	08:30
Lapanga	228.8	02.07.2022	14:15	223.4	31.07.2022	16:00	228.3	15.08.2022	03:30	222.1	02.08.2022	19:15	227.7	18.09.2022	20:00	222.1	26.09.2022	09:00
Laxmipur	241.4	13.07.2022	03:45	229.0	28.07.2022	22:15	241.6	14.08.2022	04:00	229.7	02.08.2022	23:15	241.6	21.09.2022	04:15	231.1	26.09.2022	23:15
Malkangiri	244.0	17.07.2022	04:45	233.1	30.07.2022	11:30	243.9	09.08.2022	12:15	233.5	01.08.2022	12:15	242.7	08.09.2022	03:45	231.6	15.09.2022	10:15
Mendhasal	232.7	17.07.2022	05:00	216.7	28.07.2022	22:45	233.5	14.08.2022	05:15	217.4	02.08.2022	22:45	231.8	21.09.2022	04:30	217.8	05.09.2022	14:45
Meramundali	229.8	06.07.2022	06:00	219.0	28.07.2022	22:45	230.3	15.08.2022	03:45	220.2	05.08.2022	20:30	227.5	12.09.2022	05:00	220.2	29.09.2022	23:00
Narsinghpur	227.2	08.07.2022	16:45	213.1	28.07.2022	22:45	226.1	09.08.2022	14:00	214.3	05.08.2022	20:30	226.8	20.09.2022	13:45	216.1	03.09.2022	11:30
Narendrapur	234.1	17.07.2022	04:30	211.2	28.07.2022	22:45	236.8	14.08.2022	03:00	211.9	02.08.2022	22:45	234.1	20.09.2022	03:30	215.1	05.09.2022	14:45
Nayagarh	233.6	17.07.2022	05:00	216.0	28.07.2022	22:45	234.2	14.08.2022	05:15	216.7	02.08.2022	23:15	232.5	20.09.2022	03:45	217.8	29.09.2022	11:30
Paradeep	230.5	09.07.2022	17:45	205.1	28.07.2022	22:45	230.9	14.08.2022	05:15	208.0	29.08.2022	22:00	230.4	11.09.2022	13:15	209.8	16.09.2022	19:45
Tarkera	228.9	09.07.2022	18:00	221.7	31.07.2022	12:15	228.6	25.08.2022	05:45	220.2	02.08.2022	11:30	228.5	20.09.2022	16:30	221.1	26.09.2022	10:45
Theruvali	239.6	07.07.2022	13:45	224.1	28.07.2022	22:15	239.3	14.08.2022	03:45	224.5	05.08.2022	19:15	239.9	29.09.2022	14:15	227.7	15.09.2022	10:15
Rengali	230.5	06.07.2022	06:00	223.9	29.07.2022	15:30	232.3	11.08.2022	13:30	223.7	02.08.2022	11:30	230.5	19.09.2022	02:00	225.0	02.09.2022	00:15

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	0	0					
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	1.5	7E-04					
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	0	0	0	0	0	0	0					
Joda		0	0	0	0	0	0	0	0	0	0	0.75	3E-04					
Meramundali		0	0	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	287.8
		2 x 32 = 64	
		1 x 37.5 = 37.5	
		2 x 43.65 = 87.3	
	(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)		2099.8	
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	

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	DARLIPALI STPS	2 X 800 = 1600	58.82	941.18		
		Total ISGS		1849.96		

GRAND TOTAL (A) + (B) + (C) = 5359.76 MW

* MTPS(BIHAR) Share has been surrendered since 31.03.22

FORMAT-D.2

MONTHLY NET GENERATION / EXCHANGE / DEMAND DATA IN MU

CONSTITUENTS	Jul.22	Aug.22	Sep.22
BURLA	115.110	170.972	184.635
CHIPLIMA	34.237	38.903	43.203
BALIMELA	109.252	122.643	65.500
RENGALI	37.596	92.767	139.896
U.KOLAB	24.882	41.482	42.030
INDRAVATI	80.818	158.896	323.058
O.H.P.C	401.893	625.663	798.322
MACHHAKUND(O/D)	27.256	18.799	16.362
TOTAL STATE HYDRO	429.149	644.462	814.684
IB.T.P.S	144.624	83.881	171.471
OPGC (UNIT3)	616.087	671.013	655.014
OPGC(UNIT 3 UI)	3.167	5.346	1.934
IPP-GMR	173.659	106.824	159.945
GMR(UI)	3.962	-3.349	-6.711
IPP-Vedanta Ltd	220.861	202.048	211.530
IPP-JITPL	43.101	43.106	41.818
NBVL (IPP)	3.888	0.888	2.208
TOTAL THERMAL	1209.349	1109.756	1237.209
IMFA	0.554	1.035	0.422
NALCO	0.004	0.000	0.009
OTHER CGPs	22.868	20.932	26.840
TOTAL-CPPs	23.427	21.967	27.270
Meenakshi	25.819	29.860	26.874
Samal HEP	8.039	7.864	10.626
M/S BPPPL	14.965	18.217	20.288
Ms APPPL	10.170	12.241	11.542
Kakatiya	0.706	1.474	2.939
Total Small Hydro	59.698	69.656	72.269
Solar Power under RPSSGP Scheme	0.630	0.629	0.717
Alex Green Energy	0.503	0.529	0.602
ACME Solar	3.116	3.231	3.579
SECI (VGF Scheme Ph-II, Batch-I-GEDCOL)	1.482	1.714	2.090
SECI (VGF Scheme Ph-II, Batch-IV)	25.963	26.321	30.763
Aditya Birla Pvt. Ltd.-1	3.520	3.609	4.010
Aditya Birla Pvt. Ltd.-2	3.688	3.198	3.809
Aditya Birla Pvt. Ltd.-3	3.506	3.633	3.928
Total State Solar	42.408	42.863	49.498
Biomass-SGEL	0.001		0.367
Total Odisha	1764.032	1888.705	2201.298
SECI (VGF Scheme Ph-II, Batch-I-Rajasthan & Dadri Solar Bundle Power	8.118	6.744	8.503
Faridabad Solar Bundle Power	0.597	0.658	0.604
NVVNL Bundle Power(Solar) (Including OA Ch	0.540	0.522	0.384
SECI(Azure Power Pvt. Ltd.)	2.385	1.765	2.649
Total Central Solar	95.288	97.650	112.215
PTC-Ostro	83.648	87.961	100.074
SECI-Green Infra	15.752	13.120	8.177
Vivid Solire	31.970	27.255	19.546
Renew Wind Energy	30.021	26.250	23.742
Adani Wind Energy	11.254	10.639	7.620
Total Central Wind	107.192	94.158	71.264
TOTAL Central Thermal	886.974	775.278	757.499
TOTAL Central Hydro	170.525	183.653	178.928
Central Sector Overdrawal	30.640	58.410	37.100
EREB IMPORT	1322.759	1224.363	1157.337
EREB EXPORT	0.510	25.180	25.790
NET EREB	1322.249	1199.183	1131.547
Banking Power(Import)	1.159	0.000	0.000
TRADING(PXIL+IEX+Bilateral) (Import)	30.981	15.214	0.332
Banking Power(Export)			
TRADING(PXIL+IEX+Bilateral) (Export)	160.411	170.624	422.555
OTHER SALE(Including Nalco+Imfa)	20.940	13.680	14.990
SYSTEM DEMAND	2904.931	2903.583	2895.300

* Monthly Pool Account is yet to be finalised.

GRIDCO DRAWAL FROM DIFFERENT SOURCES FOR THE PERIOD (July'22-Sept'22)

Sl. No	Source of Power	Drawal in MU	Total Cost in Crore(Rs.)	Avg. Cost in P/U
1	TOTAL HYDRO	1888.296	166.957	88.42
2	OPGC	2352.537	805.038	342.20
3	TTPS			
4	ISGS	3652.979	1067.161	292.13
5	CPPs	72.664		0.00
6	IPPs	1203.778	364.304	302.63
7	Non-conventional(State)	336.760	60.148	178.61
	TOTAL	9507.014	2463.609	259.14

TRADING+IEX+Banking Power+OA+	803.200
Net Purchase	8703.814

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	Jaganath Steel Sw. Stn	1 x 20	1 x 37.5	37.5	22.07.22	132/33kV 20MVA Power Transformer No-II idle charged at 19:22 hrs.It has been planned to replace Trf-1.
2	Deogarh	-	2 x 20	40	22.07.22	220/33kV 20MVA Power Transformer No-I & II charged and loaded at 18:15 hrs.
3	Bahugram	-	2 x 40	80	26.07.22	132/33kV 40MVA Power Transformer No-I idle charged at 19:04 hrs.
4	Ganjam	1 x 12.5	1 x 20	20	27.07.22	132/33kV 20MVA Power Transformer No-I charged and loaded 19:59 hrs.
5	Hinjili GIS	-	1 x 20	20	29.07.22	132/33kV 20MVA Power Transformer No-I charged and loaded 19:59 hrs.
6	Chandipur	-	1 x 20	20	30.08.22	132/33kV 20MVA Power Transformer No-I idle charged at 14:35 hrs.
7	Podagada	1 x 12.5	1 x 20	20	01.08.22	132/33kV 20MVA Power Transformer No-I charged at 13:45 hrs and loaded at 18:34 hrs on 03.08.22.
8	Bamra	-	1 x 40 + 1 x 20	60	05.09.22	132/33kV 40MVA Power Transformer No-I and 20MVA Power Transformer No-II idle charged at 17:16 hrs.
9	Chandipur	-	1 x 20	20	05.09.22	132/33kV 20MVA Power Transformer No-I charged at 14:57hrs on 30.08.22 and loaded on 05.09.22 at 13:58 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	-	-	-	-	-	-	-	-
Bhubaneswar	25.08.22	Puri	-	-	-	-	Y-ph breaker limb burst of 33KV Bus Coupler	-
Burla	26.07.22	Bargarh New	-	-	220kV Main Bus-I PT (B-ph) burst	-	-	-
	19.09.22	Deogarh	-	-	-	Y-ph LA of 220kV Rengali S/Y - Deogarh feeder burst at Deogarh end	-	-
Bolangir	24.09.22	Kesinga	-	-	-	R-Phase L.A of 132kV Kesinga - Junagarh feeder Brust	-	-
Chainpal	14.08.22	Chainpal	-	-	CT burst at Chainpal grid	-	-	-
	01.09.22	Meramundali	-	-	-	Y-ph LA of Auto-I Burst at 132kv Side.	-	-
	08.09.22	Meramundali B	-	-	-	-	1 MVA station TRF-I(33kV Tertiary of 400/220/33kV 500 MVA ICT-I), it bursted and caught fire.	-
	11.09.22	Meramundali	-	-	220kV B-ph Bus-II PT has been burst	-	-	-
Cuttack	25.08.22	Bahugram	-	-	-	LA burst at 132/33kV Grid Sub-station,Bahugram	-	-
Balasore	11.09.22	Barbil	-	-	B-phase CT of 132kV Barbil - Joda feeder Brust.	-	-	-
	11.09.22	Joda	-	-	Y-Ph CT burst of 132/33KV Transformer-05	-	-	-
Jeypore	-	-	-	-	-	-	-	-