

# **STATEMENT ON SYSTEM PERFORMANCE**

**(APRIL'20 – JUNE'20)**



**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
2020-21	1st	APRIL	720	0.00	0.00
		MAY	744	0.00	0.00
		JUNE	720	0.00	0.00
<b>Total</b>			<b>2184</b>	<b>0.00</b>	<b>0.00</b>

\* → SLDC is preparing the drawal schedule for discom considering the availability of power from all sources.

Load restriction is being done by the discom as and when required on rotation basis to curtail the demand.

**Format-A2**

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

*(In relation to Format: A-1)*

Year	Quarter	Month	Hour	Name of Generating Station	*Duration of failure to meet forecasted requirement (HRs.)				Quantum/ Percentage of Load Restriction Imposed
					Date	From	To	Total	
1	2	3	4	5	6	7	8	9	10
2020-21	1st	APRIL	720	-	-	-	-	-	-
		MAY	744	-	-	-	-	-	-
		JUNE	720	-	-	-	-	-	-

\* →oad restriction imposed in the state on rotation basis to curtail the demand.

**Format-A3**

*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</u> <u>(HRS.)</u>					L.R. Imposed in MW	Area / Consumer categories affected		
					Date	From	To	Total	6	7	8	9	10
1	2	3	4	5									
-	2020-21	1st	APRIL	720	-	-	-	-	-	-	-	Load restriction imposed in the state on rotation basis to curtail the demand.	
			MAY	744	-	-	-	-	-	-	-		
			JUNE	720	-	-	-	-	-	-	-		

\* → Load restriction imposed in the state on rotation basis to curtail the demand.

**B. TRANSMISSION SECURITY****Format-B1**

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

Year 1	Quarter 2	Month 3	Total Hrs. of the month 4	Duration of restriction (in Hrs.) 5	Percentage of time load restricted [=(5/4) *100] 6
2020-21	1st	APRIL	720	0.00	0.00
		MAY	744	0.00	0.00
		JUNE	720	0.00	0.00
Total			2184	0.00	0.00

\* → Partial 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
2020-21	1st	APRIL	720	-	-
		MAY	744	-	-
		JUNE	720	-	-
Total			2184	NIL	NIL

**Particulars of Transmission elements not available resulting in loss of Transmission capacity and Grid Sub-stations affected.**
**FORMAT : B-3 & B-4**

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 reschedule d 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	Therubali	01.04.20	11:04	11:10	0:06	220KV Therubali-Bhanjanagar Ckt-1	At Therubali end: Zone-1, ABT, 130.7 KM ,Ia=1.73kA Ib=1.60 kA, At Bhanjanagar end; Zone-1, ABT, 38.54 KM ,Ia=3.85kA Ib=3.38 kA								
2	Sundargarh	01.04.20	13:34	13:39	0:05	132 KV Budhipadar-Sundargarh CKT-I	At-Sundargarh end; E/F , IL1=0.05 KA, IL2=0.29 KA,IL3=0.05KA								
3	Meramundai	01.04.20	13:51	14:35	0:44	220 kV Meramundai Kaniha ckt -I	At Meramundai end: B-E,Z1, IB=3.01 KA,31.97 KM,80.08 ms  At Kaniha end: B-E,Z1,IR=7.3 KA,39.5 KM								
4	Bhawanipatna	01.04.20	19:20	19:26	0:06	132 kV Kesinga Bhawanipatna feeder	P/S failure from Kesinga end	Bhawanipatna Junagarh	0:06			0.003252	Bhawanipatna Junagarh		
5	Meramundai	02.04.20	14:08	18:05	3:57	400 kV Meramundai Mendhasal ckt -II	At Meramundai end: R-E,Z1,IR=6.21 KA,Dist.=48.5 KM  At Mendhasal end: R-E,IR=2.72								
6	Balasore	02.04.20	14:39	16:16	1:37	220 kV Balasore Balasore(PG) ckt -I	At Balasore end: REL670-Gen Trip, Trip-R, Z-1, L1-N, -1.0 Km Fault Current-249.3A  At PGCIL end- Main-I: Micom P442-Z-1, 37.13Km , Fault Current-4.458KA Main-II: Z-1, Fault current-3.556 KA								
			15:10	11:57	20:47	132 kV Balasore-Basta feeder	At Balasore end: DP relay-SEL 311C : A-G, Z-2, A-G-T, 28.50Km, Fault current-2610A  At Basta end: Z-1, 3.949Km, Ir=198.1A, Iy=185.3A , Ib=188.5A (R-Ph suspension insulator failure at Loc								

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		
7	Rengali SY	03.04.20	13:28	11:00	21:32	220 kV Rengali SY - Tarkera ckt - II	At Rengali SY end: ,Z3 , Dist - 127.41kM ,Fault Dist=95.08%,Loop=L1-N,IL1=3627A,IN=3603.51A								
8	Balasore	03.04.20	19:17	20:04	0:47	220 kV Balasore-New Duburi ckt	At Balasore end:REL670-Gen Trip, Trip-R, Z-1, L1-N, 104.71 Km, Fault Current-1323.01A At New Duburi end: Main-I : Z-1, E/F, R-Ph, 20.9Km, Fault Current-5.23KA,Main-II: Z-1, R-N, 20.91Km, 5.175KA								
9	Meramundai	03.04.20	20:19	22:37	2:18	220 kV Meramundai TPPS Ckt - II	At Meramundai end: B-E,Z1,IR=11.24 KA,4.94 KM,69.96 ms At TPPS end: B-E,IB=9.2 KA,5.85 KM								
10	Barbil	04.04.20	13:02	13:20	0:18	132 kV Barbil-Bolani feeder	Tripped on E/F at Barbil end	Barbil , Bolani , Arya, Nalda Tr, BRPL	0:18	0.006120	0.006120	0.006120	Barbil		
11	Therubali	06.04.20	11:08	11:22	0:14	220KV Therubali-Indrabati Ckt-II	At Therubali end: 86M2A,86M2B,86M2C, 186A,186B, L2-L3, Z2, 81.30 KM								
12	Meramundai	07.04.20	18:46	20:20	1:34	220 kV Meramundai Narsinghpur feeder	At Meramundai end: R-E,Z1,IR=20.19 KA,955.3 KM,81.55 ms At Narsinghpur end: R-E,IR=1.089 KA,272 KM								
13	Budhipadar	07.04.20	21:09	23:20	2:11	220 KV Budhipadar-Korba Ckt-II	At Budhipadar End- D/P-I I) Dist Gen Trip,II) Relay Trip L1, III) Relay Trip L2 IV) Relay Trip L3, V) Zone-I FL = L1-E, IL1=21.57 KA, FD=1.2 Kms, d[%]=0.7% At Korba End- D/P operated in Zone-II R-Phase E/F, FD= 161.9 Kms, IR=1.098 KA								

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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	
14	Budhipadar	07.04.20	21:21	22:16	0:55	132 KV Budhipadar-Rajgangpur Ckt	At Budhipadar End-D/P( ABB REL 670), R,Y & B-Phase Trip Zone-I, FD= 54.146 Kms(66.85%), FL=L2-N,IL2= 1.792 KA, 3-Phase Master trip At Rajgangpur End(Rain & Lightening at RGP end)- D/P,Zone-I, FL=L2-N, FD=26.40 Km, IL2=2.210 KA							
15	Rengali SY	08.04.20	9:48	22:39	12:51	220 kV Rengali SY - Tarkera ckt - II	At Rengali SY end: DP operated.Dist -110.40KM ,88.36%,LOOP=L1-N,IL1=3912.62A,IN=3969.08A,ZO NE-2							
16	Barpali	08.04.20	10:36	10:40	0:04	132 kV Bolangir New -Barpali feeder	Tripped on E/F at Bolangir New end	Barpali	0:04			0.000427	Barpali	
17	Bolangir	08.04.20	16:28	16:33	0:05	132 kV Bolangir- Kesinga - Khariar feeder	Tripped on E/F at Bolangir end	Saintala,Kharir, Nuapara,Tusura,	0:13			0.0045808	Kharir, Nuapara,Tusur	
18	Budhipadar	08.04.20	20:58	22:21	1:23		At Budhipadar End- D/P, R,Y & B-Phase Trip Zone-I, FD= 78.975 Kms(97.5%), FL=L1-N, IL2= 1.424 KA, 3-Phase Master trip At Rajgangpur End(Rain & Lightening at RGP end) - D/P,Zone-I, FL=L1-N, FD=3.91Kms , IL2=4.957 KA							

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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	Budhipadar	08.04.20	21:21	22:22	1:01	132 KV Budhipadar-Kalunga	At Budhipadar End- 1)D/P, R,Y & B-Phase Trip,Zone-I, FD= 45.768 Kms( 44.61%), FL=L1-N IL2= 2.016 KA, 2) 3-Phase Master trip At Kalunga End(Rain & Lightening at Kalunga end) -D/P,Zone-II, FL=L1-N, FD=104.7Kms , IL1= 1.427 KA							
20	Meramundai	09.04.20	11:36	16:44	5:08	132 kV Meramundai Khajuriakata feeder	Tripped at Khajuriakata end on Y-E,Z1,IY=1.792 KA,Dist.=24.6 KM ( Y-Phase jumper was snapped at Loc no-19 )							
			13:31	14:12	0:41	132 kV Meramundai Dhenkanal feeder	At Meramundai end: B-E,Z1,IB=4.152 KA,Dist.=41.23 KM, At Dhenkanal end: B-E,Z1,IB=1.5 KA,Dist.=12.4 KM							
21	Budhipadar	09.04.20	9:12	10:06	0:54	220 KV Budhipadar-IBTPS Ckt-IV	At Budhipadar End- D/P-I, TRZ1, ZM1 ZM2 ZM3 PSR PSN CSZ, D/P-II(SIEMENS SIPROTEC 7SA52) Dist Trip, Zone-I, FL = L1-L2, IL1= 0.12 KA IL2 = 0.12 KA, IL3 = 0.12 KA, FD = 5.2 Kms							
22	Sundargarh	09.04.20	13:25	13:34	0:09	132 KV Budhipadar-Sundargarh CKT-I	At-Sundargarh, E/F , IL1=0.05 KA, IL2-0.08 KA,IL3=0.04KA							

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	
23	Budhipadar	09.04.20	19:44	10.04.20 12:31	16:47	132 KV Budhipadar-Sundargarh Ckt-I	At Budhipadar End- D/P, I) Gen relay Trip, II) Relay Trip L1 III) Relay Trip L2, IV) Relay Trip L3, V) Dist Trip Zone-II FL = L1-L3, FD = 35 Kms( 111.0%), IL1= 4.24 KA, IL2 = 5.07 KA, IL3 = 4.37 KA At Sundargarh End O/C & E/F in Y-Phase operated (Y-Phase CVT bursted at Sundergarh end)							
24	Budhipadar	10.04.20	13:24	17:47	4:23	132 KV Budhipadar- MCL CKT No -II	At Budhipadar End- D/P , Tripped Phase CN Distane Trip Zone -I, F. Distance =4.969KM,Ic=11.02Kamp							
25	Budhipadar	10.04.20	13:25	13:54	0:29	132 KV Budhipadar-Kalunga Ckt	At Budhipadar End- 1)D/P, R,Y & B-Phase Trip, Zone-I FD= 88.610 Kms( 85.2%), FL=L2-N, IL2= 0.824 KA 2) 3-Phase Master trip At Kalunga End- D/P,Zone-I, FL=L2-N, FD=104.8Kms IL2= 1.032KA							
26	Meramundai	10.04.20	16:32	17:02	0:30	220 kV Meramundai Narsinghpur feeder	At Meramundai end: B-E,Z1,IB=4.152 KA,Dist.=41.23 KM, At Narsinghpur end: B-							

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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	
27	Budhipadar	11.04.20	9:00	16.04.20 15:08	126:08	220 KV Budhipadar-Lapanga CKT No-I	At Budhipadar End-D/P-I, R-Ph Trip, Zone-II Fault Duration= 58.29ms, Fault Distance=19.28KM Ia=7.025Kamp, Ib=959.4Amp, Ic=982.3Amp Lapanga End- D/P Zone-I, Fault Loop=L1-N Fault Distance=1.3KM, IL1=20.3KAmp (at Loc -52 one insulator string damaged & one insulator string snapped)							
28	Budhipadar	11.04.20	10:22	11:05	0:43	220 KV Budhipadar-IBTPS Ckt-IV	At Budhipadar End-D/P-II,General Relay Trip D/P Zone-I,Fault Loop=L1-L2, IL1= 0.18 KA,IL2 = 0.19 KA,IL3 = 0.18 KA,FD = -0.4Kms(-1.6%)							
29	Budhipadar	11.04.20	15:14	15:40	0:26	132 KV Budhipadar-Rajgangpur Ckt	At Budhipadar End-D/P, R, Y & B-Phase Trip,Zone-I FD= 25.701Kms(31.73%),FL=L1-N,IL2= 2.807 KA 3-Phase Master trip At Rajgangpur End-D/P,Zone-I,FL=L1-N,FD=52.15Kms IL2=1.139 KA							
30	Bhawanipatna	11.04.20	23:26	23:36	0:10	132 kV Kesinga Bhawanipatna feeder	P/S Failed from Kesinga end	Bhawanipatna Junagarh	0:10			0.005420	Bhawanipatna Junagarh	
31	Kesinga	13.04.20	14:35	14:47	0:12	132 kV Kesinga Bhawanipatna feeder	P/S Failed from Kesinga end	Bhawanipatna Junagarh	0:12			0.014667	Bhawanipatna Junagarh	

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	
			14:54	15:02	0:08	132 kV Therubali Kesinga feeder	P/S Failed from Therubali end	Kesinga, Kesinga Tr, Bhawanipatna Junagarh, Powmex	0:08					Kesinga, Bhawanipatna Junagarh,
32	Bhanjanagar	13.04.20	15:10	15:35	0:25	132 kV Bhanjanagar Phulbani feeder	At Bhanjanagar end; B-N Trip, Zone- 1 Dist -38.35 kM	Phulbani	0:25			0.006171	Phulbani	
33	Bhanjanagar	14.04.20	12:07	12:20	0:13	132 kV Bhanjanagar Phulbani feeder	At Bhanjanagar end: CN TRIP, ZONE 1, D : 60.44 KM	Phulbani	0:13			0.003209	Phulbani	
34	Therubali	15.04.20	22:37	22:40	0:03	132 kV Therubali Kesinga feeder	P/S Failed from Therubali end	Kesinga, Kesinga Tr, Bhawanipatna Junagarh, Powmex	0:03			0.003061	Kesinga, Bhawanipatna Junagarh,	
35	Meramundai	15.04.20	0:09	1:10	1:01	132 kV Meramundai Dhenkanal feeder	At Meramundai end: R-E,IR=1.68 KA,Dist=62.14 KM,							
36	Baripada	15.04.20	16:18	16:35	0:17	132 kV Udalabeta Noti feeder	Y-ph,ZI,dist-15.1KM							
37	Bangiriposi	15.04.20	18:36	18:41	0:05	132 kV Bangiriposi - Rairangpur feeder	At Bangiriposi: O/C in R- Ph. Distance -6.5km., Zone-1, General Trip.IR-2.66KA, IY-0.23KA.IB-0.42KA							
38	Therubali	16.04.20	1:07	1:10	0:03	132 kV Therubali Kesinga feeder	P/S Failed from Therubali end	Kesinga, Kesinga Tr, Bhawanipatna Junagarh, Powmex	0:03			0.003061	Kesinga, Bhawanipatna Junagarh,	
39	Bhawanipatna	16.04.20	21:00	21:05	0:05	132 kV Kesinga Bhawanipatna feeder	P/S Failed from Kesinga end	Bhawanipatna Junagarh	0:05			0.002710	Bhawanipatna Junagarh	
40	Bangiriposi	17.04.20	14:51	14:58	0:07	132 kV Bangiriposi - Rairangpur feeder	Tripped at Bangiriposi end	Rairangpur, Karanjia, Dhenkikote	0:07			0.002911	Rairangpur, Karanjia, Dhenkikote	
41	Jaleswar	17.04.20	21:38	22:06	0:28	132 kV Jaleswar Baripada (PG ) feeder	At Baripada PG end: Y-ph E/F, Dist-18.78 Km , Z-1 , FC -2.431 KA	Jaleswar , Bhograi	00:28 00:14			0.013956	Jaleswar , Bhograi	

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		
			21:38	22:12	0:34	132 kV Jaleswar Bhograi feeder	At Bhograi end: Y-ph, E/F , Dist-18.69 kM ,Z-1 ,FC-2.4kA	Jaleswar Tr							
			21:38	22:06	0:28	132 kV Bhograi Baripada PG feeder	At Bhograi end: Zone-1,Y-ph E/F ,Fault Loc -18.69KMIY-2.432KA.								
42	Budhipadar	11.04.20	10:46	18:09	7:23	220 KV Budhipadar-Tarkera Ckt-I	At Budhipadar End-D/P-I, TRZ2,ZM2 ZM3 PSS PST SUP, D/P-II, I) Dist Gen Trip, II) Relay Trip L2 IV) Relay Trip L3, V) Zone-II FL = L2-L3, IL2=2.68 KA,IL3=2.68Kamp FD=99.9Kms, At Korba End-D/P operated in Zone-I, Fault Loop=L2-L3 FD= 9.6 Kms, IV=9.98 KA,IB=10.16Kamp (tree branches fall on B-Ph Conductor between Loc no-98 and 97)								
43	Therubali	18.04.20	14:37	14:39	0:02	132 kV Therubali Kesinga feeder	At Therubali end-Tripped.	Kesinga, Kesinga Tr, Bhawanipatna Junagarh, Powmex	0:02			0.002041	Kesinga, Bhawanipatna Junagarh,		
44	Jaleswar	18.04.20	16:04	18:12	2:08	132 kV Jaleswar Baripada (PG ) feeder	<u>At Jaleswar end:</u> Y -ph E/F , Dist-53.0 Km , Z-1 , FC -479.6A, <u>At Baripada PG end:</u> Y -ph E/F , Dist- 11.19 kM , Z-1 , FC -4.493kA								
45	Baripada	18.04.20	16:28	17:27	0:59	132KV Baripada Udalal feeder	At Baripada end: Rph,Z1,dist-9KM At Udalal end: Rph,Z1,dist-24KM, Fault current-2.809KA At Balasore end:DP relay-SEL 311C : A-G-T, Z-1, 24Km, Fault current-2809A At Udalal end:Z-1, R-Ph, 09 Km,	Udalal Betonati	#REF!			0.013295	Udalal Betonati		

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	
46	Balasore	18.04.20	17:05	18:59	1:54	220 kV Balasore New Duburi ckt	At Balasore end: REL670-Gen Trip, Trip-R, Z-1, L1-N, 11.951Km, Fault Current-4.84KA At New Duburi end: Z-1, R-Ph, 113.30Km, Fault Current- 1.341KA							
47	Therubali	18.04.20	18:24	18:34	0:10	132 kV Therubali Kesinga feeder	Tripped at Therubali end	Kesinga, Kesinga Tr, Bhawanipatna Junagarh, Powmex	0:10			0.010203	Kesinga, Bhawanipatna Junagarh,	
48	Cuttack	18.04.20	19:32	19.04.20 16:33	21:01	132 kV Cuttack Phulnakhara feeder	Tripped on O/C in Y-Ph., DP relay optd- Distance=11.495km, Zone-1, B-G, Ia=515mA, Ib=9.65A, Ic=501mA. ( Y-ph insulator string failure at Loc.No.17)	Phulnakhara	1:01			0.026787	Phulnakhara	
49	Meramundai	18.04.20	19:06	20:38	1:32	220 kV Meramundai Duburi ckt - II	At Meramundai end: B-E,Z1,IR=3.19 KA,56.98 KM  At Duburi end: B-E,IR=2.248 KA,32.96 KM							
50	Meramundai	18.04.20	19:34	22:11	2:37	400 kV Meramundai GMR feeder	At Meramundai end: B-E,IB= 20.87 KA,Dist.= 4.1 KM At GMR end:- B-E,Z3,IB=2 KA,Dist.= 4 KM							
			19:34	22:41	3:07	132 kV Khajuriakata Nuapatna feeder	At Khajuriakata end; B-G Fault, ZONE-I, DIST- 50.5Kms							
51	Cuttack	18.04.20	19:51	20:20	0:29	132 kV Cuttack Jagatsinghpur feeder	Tripped on O/C in Y-ph & E/F							
52	Meramundai	18.04.20	20:21	22:44	2:23	132 kV Meramundai Dhenkanal feeder	At Meramundai end:B-E,IB=4.86 KA,Dist.=10.37 KM At Dhenkanal end: B-E,Z1,IB=1.56 KA,Dist.=25.46 KM							

Sl. No.	Substation	Date	From	To	Duration / CB etc.)not available	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	
53	Meramundai	20.04.20	14:01	18:40	4:39	400 kV Meramundai Lapanga ckt -II	At Meramundai end: B-E,IB=4.13 KA,108.1 KM At Lapanga end: B-E,IB= 4.1 KA,133.1 KM							
			15:32	19:07	3:35	400 kV Meramundai Lapanga ckt -I	At Meramundai end: Y-E,Z1,IY=2.71 KA,145.5 KM  At Lapanga end: Y-E,Z1,IY=2.1 KA,92.2 KM							
54	Budhipadar	21.04.20	6:09	20:26	14:17	132 KV Budhipadar-Rajgangpur Ckt	At Budhipadar End-D/P,R,Y & B-Phase Trip,Zone-I FD= 61.897Kms(76.42%),FL=L1-N,IL1=1.578 KA At Rajgangpur-Tripped							
			20:12	20:26	0:14		At Budhipadar End-D/P,R,Y & B-Phase Trip, Zone-I FD= 36.377Kms(44.91%), FL=L1-N, IL1=2.240 KA At Rajgangpur End- D/P,Zone-I, FL=L1-N, FD=42.65 Kms IL1=1.345 KA							
55	Budhipadar	21.04.20	7:04	19:15	12:11	132 KV Budhipadar-Remja	At Budhipadar End-D/P, R, Y & B-Phase Trip,Zone-I FD= 5.097Kms,Fault Current=10.41 KA At Remja-Tripped							
56	Budhipadar	21.04.20	7:30	8:37	1:07	132 KV Budhipadar-Kalunga	At Budhipadar End-D/P, R, Y & B-Phase Trip,Zone-I, FD= 62.147 Kms(59.76%),FL=L1-N,IL1=1.468 KA At Kalunga End-D/P,Zone-I,FL=L1-N,FD=77.03 Kms ,IL1=1.71 KA							

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		
			18:31	19:10	0:39		At Budhipadar End-D/P, R, Y & B-Phase Trip, Zone-I FD= 32.897 Kms(31.63%, FL=L1-N, IL1=2.479 KA At Kalunga End-D/P,Zone-III, FL=L1-N FD=135 Kms , IL1=1.080 KA								
57	Budhipadar	21.04.20	7:42	12:24	4:42	220 KV Budhipadar-Tarkera Ckt-II	At Budhipadar End-D/P-I, TRZ1, ZM1 ZM2 ZM3,PSR PSN CSZ, D/P-II, I) Dist Gen Trip, II) Relay Trip L1 III)Relay Trip L2, IV) Relay Trip L3 V) Zone-I, FL = L1-E, IL1=2.17 KA ,FD=78.9Kms, At Tarkera End-D/P operated in Zone-I, Fault Loop=L1-N FD= 21.45 Kms, IL1=5.3 KA								
58	Sundargarh	21.04.20	7:52	8:14	0:22	132 KV Budhipadar-Sundargarh CKT-II	At-Sundargarh, E/F , IL1=0.05 KA, IL2-0.06 KA,IL3=0.15KA								
59	Angul	21.04.20	18:24	18:55	0:31	132 kV Angul MCL ckt -I	At Angul end: Fault loop_L1N, Fault dist._4.22 KM								
60	Meramundai	21.04.20	18:25	20:30	2:05	220 kV Meramundai Kaniha ckt -II	At Meramundai end: B-E,Z1,IB=5.029 KA,20.84 KM,75.05 ms At Kaniha end: B-E,Z1,IB=7.3 KA,14.6 KM								
61	Bhawanipatna	23.04.20	15:17	15:36	0:19	132 kV Kesinga Bhawanipatna feeder	Failed from Kesinga end	Bhawanipatna Junagarh	0:19			0.010298	Bhawanipatna Junagarh		
62	Bangiriposi	23.04.20	15:46	16:55	1:09	132 kV Bangiriposi - Baripada (PG) feeder	At Bangiriposi end: E/F in R- Ph. Distance-5.073 km., Zone-1, General Trip, IR-4.96KA. At Baripada(PG) end:- E/F in R- Ph. Distance- 22.8km., Zone-1, General Trip, IR-0.32KA.								

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	
63	Sundargarh	23.04.20	16:23	16:49	0:26	132 KV Budhipadar-Sundargarh CKT-II	At-Sundargarh, E/F , IL1=0.06 KA, IL2-0.21 KA,IL3=0.05KA							
64	Therubali	23.04.20	16:36	16:58	0:22	132 kV Therubali Kesinga feeder	Tripped at Therubali end	Kesinga, Kesinga Tr, Bhawanipatna Junagarh, Powmex	0:22			0.022447	Kesinga, Bhawanipatna Junagarh,	
65	Bhawanipatna	23.04.20	21:02	21:12	0:10	132 kV Kesinga Bhawanipatna feeder	Failed from Kesinga end	Bhawanipatna Junagarh	0:10			0.005420	Bhawanipatna Junagarh	
66	Therubali	23.04.20	21:52	21:56	0:04	132 kV Therubali Kesinga feeder	P/S Failed from Therubali end	Kesinga, Kesinga Tr, Bhawanipatna Junagarh, Powmex	0:04			0.004081	Kesinga, Bhawanipatna Junagarh,	
67	Bolangir	24.04.20	5:16	5:23	0:07	132 kV Bolangir -Bolangir New ckt -I	P/S failed from Bolangir New end	Acme, Santala,Khariar, Nuapara,Tusura, Kantabanji, Kantabanji Tr	0:07			0.0136442	Khariar, Nuapara, Tusura, Kantabanji,	
			5:16	5:22	0:06	132 kV Bolangir -Bolangir New ckt -II	P/S failed from Bolangir New end	Bolangir ,Sonepur Boudh	0:06				Bolangir ,Sonepur Boudh	
68	Jaleswar	24.04.20	11:24	12:24	01:00	132KV JALESWAR -KOCHEI FDR	DP RELAY INDICATION <u>AT JALESWAR END:</u> Y PH TO EARTH , DISTANCE 54.3 Km , Z-1 , Fault current -827.9A <u>AT KOCHEI END:</u> Y PH TO							
69	Balasore	24.04.20	11:38	13:16	1:38	220 kV Balasore - Balasore (PG) ckt -II	At Balasore end: REL670-Gen Trip, Trip-B, Z-1, L3-N, 57.085Km, Fault Current-1.72KA At PGCIL end: B-N, 12.53Km, Fault Current- 7.175KA							

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		
70	Polasponga	24.04.20	12:30	13:05	0:35	132 kV Joda Polasponga feeder	At Polasponga end; E/F ,Zone-1,Dist=34.13kM, Ia=254A, Ib=335A, Ic=201A, IG= 501A, In=0A	Polasponga, ESIL, MSP, Polasponga Tr	0:35			0.021029	Polasponga,		
71	Budhipadar	24.04.20	12:47	12:57	0:23	132 KV Budhipadar-Kalunga	At Budhipadar End-D/P (ABB REL 670), R,Y & B-Phase Trip Zone-I, FD= 44.934 Kms(43.21%), FL=L1-N IL1=2.080KA, IN=1.991Kamp At Kalunga End-D/P,Zone-II, FL=L1-N, FD=108.51Kms IL1=1.404KA								
72	Barbil	24.04.20	12:48	13:03	0:15	132 kV Barbil Bolani feeder	Tripped at Barbil end	Barbil , Bolani , Arya, Nalda Tr, BRPL	0:15			0.005100	Barbil		
73	Polasponga	24.04.20	13:09	13:20	0:11	132 kV Polasponga Karanjia feeder	At Polasponga end: E/F ,Zone-1 ,Dist=46.08 kM, Ia=20A, Ib=1365A, Ic=20A, IG= 1365A,								
74	Baripada	24.04.20	13:42	16:44	03:02	132KV Jaleswar Baripada(PG) feeder	At Jaleswar end; Y PH TO B PH , DISTANCE 41.8 Km , Z-1 , Fault current -651.4 A(Y-PH),683.7 A(B-PH)	Bhograi	0:07			0.0009298	Bhograi		
			13:42	14:13	0:31	132 kV Bhograi Baripada (PG) feeder	At Bhograi end: ZONE-1,R-PH to Gnd,Fault Loc -74.9KM								
			13:42	13:49	0:07	132 kV Bhograi Jaleswar Feeder	Tripped at Bhograi end								
75	Meramundai	24.04.20	14:55	18:15	3:20	220 kV Meramundai Kaniha ckt - II	At Meramundai end: R-E,Z1, IR=11.37 KA,10.66 KM, 63.27 ms At Kaniha end: R-E,Z1,IR=4.68								

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		
76	Budhipadar	24.04.20	18:06	25.04.20 09:15	15:09	220 KV Budhipadar-IBTPS Ckt-I	At Budhipadar End-D/P-I(ABB RELZ100), TRZ1 ZM1 ZM2 ZM3, PSS PSN CSZ, D/P( ABB REL 670) Y -Phase Trip, Zone-I, FD= 10.973Kms(43.37%) FL=L2-N, IL2=10.401 KAmp								
77	Budhipadar	24.04.20	18:32	19:09	0:23	132 KV Budhipadar-Kalunga	At Budhipadar End-D/P( ABB REL 670), R,Y & B-Phase Trip Zone-I, FD= 19.376Kms(18.63%), FL=L1-N IL1=3.943KA, IN=3.991Kamp At Kalunga End- D/P,Zone-III, FL=L1-N, FD=169Kms IL1=940.8Amp								
			20:25	22:14	1:23		At Budhipadar End-D/P( ABB REL 670), R,Y & B-Phase Trip Zone-I, FD= 17.889 Kms(17.2%), FL=L1-N IL1=3.614KA, IN=3.621Kamp								

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	
78	Budhipadar	24.04.20	18:06	23:10	5:04	220 KV Budhipadar-Koba Ckt-III	At Budhipadar End-1.D/P-I, R,Y&B- Ph Trip Zone -I, Started Phase AN, Trip Phase ABC, Trip Zone-I Fault Distance =8.247KM, IL1=14.6Kamp 2.D/P-II(ABB REL 670), 3-Ph Trip, 1-Ph Trip Fault Distance =8.08KM(4.42%), Fault Loop=L1-N IL1=13.288Kamp, Zone-I and Master Trip At Korba End- D/P operated in Zone-II, FL = Rph-E, Dist=179.170 Kms IL1=1067Amp							
79	Budhipadar	24.04.20	21:13	25.04.20 08:00	10:47	132 KV Budhipadar-Lapanga	At Budhipadar End-D/P- I) Dist Gen Trip, II) Relay Trip L1 III)Relay Trip L2, IV) Relay Trip L3, V) Zone-II, FL = L3-E, IL3=5.34 KAmp ,FD=15.4Kms, d[%]=90.5% At Lapanga End- D/P operated in Zone-I, Fault Loop=L3-N FD= 1.1 Kms, IL3=14.280KAmp							
80	Angul	25.04.20	4:17	4:52	0:35	132 kV Angul Boinda feeder	At Angul end: Fault loop-L2N,Fault dist-1.8709 KM	Boinda	0:35	0.007525	0.007525	0.007525	Boinda	
81	Therubali	25.04.20	6:32	6:38	0:06	132 kV Therubali Kesinga feeder	Tripped at Therubali end	Kesinga, Kesinga Tr, Bhawanipatna Junagarh, Powmex	0:06	0.006122	0.006122	0.006122	Kesinga, Bhawanipatna Junagarh,	
82	Cuttack	25.04.20	11:18	11:26	0:08	100 MVA AUTO Transformer-II	Tripped on V/F trip,V/F warn,86A&86B trip	Cuttack Phulnakhara	0:06	0.005602	0.005602	0.005602	Cuttack Phulnakhara	

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		
		11:18	11:24	0:06	100 MVA AUTO Transformer-I	Tripped on V/F trip,V/F warn,86A&86B trip									
83	Balasore	26.04.20	2:39	3:45	1:06	220 kV Balasore - Balasore (PG) ckt -I	At Balasore end: REL670-Gen Trip, Trip-R, Z-1, L1-N, 51.18Km, Fault Current-1.93KA At PGCIL end: R-N, Z-1, 19.02.Km, Fault Current- 5.86KA								
84	Baripada	26.04.20	4:26	5:00	0:34	132KV Baripada- Betonati-Udala feeder	At Baripada end: Y-ph,Z1,dist-7.8KM At Udala end: Y-ph,Z2,dist-45.87KM, Fault Current-1.687KA	Udala Betonati	0:34	0.007661	0.007661	0.007661	Udala Betonati		
			4:26	5:00	0:34	132 kV Balasore Udala feeder	At Balasore end: DP relay-SEL 311C : B-G-T, Z-2, 45.87Km, Fault current-1.687KA, Siemens B/U relay: Y-Ph, E/F, 1.63KA At Udala end:Z-1, Y-Ph, 7.8Km, Fault Current- 0.19KA								
85	Budhipadar	26.04.20	17:28	21:26	3:58	220 KV Budhipadar-Tarkera Ckt-II	At Budhipadar-Tripped on D/P, Zone-I, Fault loop:- L2-E Fault Dist:- 69.5KM, IL2-.53KAmp								
86	Threubali	26.04.20	18:14	18:44	0:30	220KV Therubali-Bhanjanagar Ckt-1	Zone-1, CN, 22.65 KM ,Ic=4.82 KA at Thv end. Zone-1, B ph E/F, 142 KM at BNKR end								
87	Budhipadar	27.04.20	2:40	20:02	0:23	220 KV Budhipadar-Korba Ckt- II	At Budhipadar-D/P-I I) Dist Gen Trip,II) Relay Trip L1,III)Relay Trip L2 IV) Relay Trip L3,V) Zone-I FL = L1-E, IL1=22.8 KA ,FD= 1.2 Kms At Korba-D/P operated in Zone-II, Fault Loop=L1-N FD= 162 Kms, (29-B isolator R-Ph drop jumper has snapped and also R-Phase Wave trap is completely bursted)								

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		
			2:48	4:40	0:23	220 KV Budhipadar-VAL Ckt-I	At Budhipadar-D/P-I I) Dist Gen Trip, II) Relay Trip L1, III) Relay Trip L2 IV) Relay Trip L3, V) Zone-I, FL = AG, Ia=16.12 KA D/P-II(SIEMENS SIPROTEC 7SA52)-I) Dist Gen Trip II) Relay Trip L1, III) Relay Trip L2, IV) Relay Trip L3 V) Zone-I, FL = AG, Ia=16.21 KA								
			2:48	3:36	0:23	132 KV Budhipadar-Sundargarh CKT-II	At Budhipadar -D/P(SEL -311C), D/P Trip, Zone-I FD= 12.19 Kms, FL=AG, Ia=5.803 KA								
			2:57	3:33	0:23	132 KV Budhipadar-Rajgangpur	At Budhipadar-D/P( ABB REL 670), R,Y & B-Phase Trip Zone-I. FD= 16.604 Kms, FL=L1-N, IL1=4.648 KA								
			2:58	3:34	0:23	132 KV Budhipadar-Kalunga	At Budhipadar-D/P( ABB REL 670), R,Y & B-Phase Trip Zone-I, FD= 8.27 Kms, FL=L1-N, IL1=5.8 KA								
88	Bhawanipatna	27.04.20	20:55	20:59	0:04	132 kV Kesinga Bhawanipatna feeder	Tripped from Kesinga end	Bhawanipatna Junagarh	0:04			0.002168	Bhawanipatna Junagarh		
89	Somnathpur SW	27.04.20	22:59	23:48	0:49	132 kV Somnathpur Stork feeder	At Somnathpur end: O/C & E/F Fault current: I1=1.35KA,I2=1.42KA,I3=1.31KA	Stork	0:49			0.000041			
90	Polasponga	28.04.20	12:46	13:06	0:20	132 kV Joda Polasponga feeder	At Polasponga end: O/C (R,Y,B PH), Ia=1431.6A, Ib=1407.9A, Ic=1380.9A, In = 0.04A, Ig= 4A	Polasponga, ESIL, MSP, Polasponga Tr	0:20			0.012017	Polasponga,		
91	Bhawanipatna	28.04.20	22:05	22:08	0:03	132 kV Kesinga Bhawanipatna feeder	Tripped from Kesinga end	Bhawanipatna Junagarh	0:03			0.001626	Bhawanipatna Junagarh		
92	Bhawanipatna	29.04.20	3:59	4:13	0:14	132 kV Kesinga Bhawanipatna feeder	Tripped from Kesinga end	Bhawanipatna Junagarh	0:14			0.007588	Bhawanipatna Junagarh		

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	
93	Balasore	29.04.20	16:27	12:13	19:46	220 kV Balasore Bhadrak feeder	At Balasore end: REL670-Gen Trip, Trip-B, Z-1, L3-N, 38.97Km, Fault Current-3021.23A At Bhadrak end: B-N, Z-I, 31.91Km, Fault Current- 2.58KA							
94	Cuttack	29.04.20	23:12	23:16	0:04	220 kV Cuttack Bidanasi ckt -I & II	P/S failure from Bidanasi end	Cuttack Phulnakhara	0:04			0.003735	Cuttack Phulnakhara	
95	Cuttack	29.04.20	23:25	0:34	1:09	220 kV Cuttack Bidanasi ckt - II	At Cuttack end: O/C in B-ph & E/F with M/R , Dist- 48.8km							
96	Therubali	30.04.20	19:02	19:05	0:03	132 kV Therubali Kesinga feeder	Tripped at Therubali end	Kesinga, Kesinga Tr, Bhawanipatna Junagarh, Powmex	0:03			0.003061	Kesinga, Bhawanipatna Junagarh,	
97	Kesinga	01.05.20	6:05 8:38	6:15 8:42	0:10 0:04	132KV RTSS Kesinga 132KV RTSS Kesinga	Directional O/C, E/F	RTSS Kesinga	0:14			0.000787		
98	Kalarangi	01.05.20	11:05	11:20	0:20	132kv Incomer	E/F trip & master relay	Kalarangi	0:20			0.00310	Kalarangi	
99	Therubali	01.05.20	11:24	11:36	0:12	220KV Therubali-Laxmipur Ckt-1	Zone-1, AN, 32.05 KM at Thv end. Zone-1, R-ph E/F, at LXPUR end							
100	Rajgangpur	01.05.20	12:01	12:29	0:28:00	132KV Rajgangpur-BUDHIPADAR Ckt.	DP AGT LOC 5.82KM IA-4058A G-4034A Z1 MT AT BUDHIPADAR GRID DP Z1 LOC 77.67KM LI-N LI-1.182KA N-944A							
101	Kendrapara	01.05.20	12:57	13:45	0:48	132KV KENDRAPARA - PARADEEP CKT-II	TRIPPED ON DP RELAY WITH DIST.26.21KM,R-PH							
102	Jagatsingpur	01.05.20	13:20	14:46	1:26	132KV Jagatsingpur - Paradeep Ckt.	At Paradeep-Tripped	Jagatsingpur Jagatsingpur Tr.	0:04			0.002244	Jagatsingpur	
103	Aska New.	01.05.20	13:25	18:12	4:47	220 KV Bhanjanagar-Aska New Ckt.-II	E/F on B-Ph	Aska new, Aska	0:17			0.01320	Aska new, Aska	
			13:25	13:42	0:17	221 KV Bhanjanagar-Aska New Ckt.-I								
104	Bhadrak	01.05.20	13:43	18:10	4:53	132 KV Bhadrak-Soro	Tripped on Y-phase O/C ,E/F,zone-I,fault magnitude=3940.95,fault dist.=17.485KM,fault loop L to N							

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	
105	N Duburi	01.05.20	13:45	22:33	8:48	220kV N Duburi- Paradeep Ckt-II	Z1, B-E, 5.3kA, 28.9km							
106	J.Road	01.05.20	13:54	15:37	1:43	132 KV Jajpur Road - Kendrapada Ckt.	DP Relay Operated, IR =2.655KA, IY=16.79A, IB= 16.30A Zone-I, Dist-28.61 KM							
107	Lapanga	01.05.20	13:54	14:40	0:46	220kV Lapanga-Katapali Ckt-I	Z1, R Phase, 32.8km.							
108	Angul	01.05.20	14:56	15:32	0:36	132 KV Angul-TTPS Ckt.	Trig Signal- ZMO2 start, Fault distance- 6.1844 KM, Fault Loop-L2N							
109	Meramundai	01.05.20	15:13	16:01	00:48	220kV Meramundai-Narasingpur Ckt..								
110	Nuapatna	01.05.20	15:13	15:26	00:13	132KV Nuapatna-Khajuriakata-Dhenkanal 'T' Ckt.	R phase O/C							
111	Sadeipali	01.05.20	15:15	15:27	0:12	132KV Sadeipali-Barpali Ckt.	Tripped on distance protection.	Barpali, RTSS Dunguripali	0:12			0.00535	Barpali, Dunguripali	
112	Paradeep	01.05.20	15:16	18:48	3:32	132KV Jagatsingpur - Paradeep Ckt.	At Paradeep-Tripped	Jagatsingpur Jagatsingpur Tr.	0:01			0.000561	Jagatsingpur	
113	Dhenkanal	01.05.20	15:16	16:51	1:53	132 kV ICCL-DHENKANAL Ckt.	B/U relay (E/F), DP relay:L2-N, I2=5.11kA, Z-1, 03.02KM							
114	Nuapatna	01.05.20	15:27	15:53	00:26	132KV Nuapatna-Arati Ckt.	Y phase O/C and E/F							
115	Bolangir(New)	01.05.20	15:29	15:37	0:08	132KV side 160MVA Auto-III	Tripped on earth fault displayed on o/c and e/f relay.	GSS Barpali, RTSS Dunguripali	0:14			0.00624	Barpali, Dunguripali	
					15:29 19:35	4:06	132KV Sadeipali-Barpali Ckt.							
116	Kesinga	01.05.20	15:30	15:35	0:05	132KV RTSS Kesinga	Directional O/C, E/F	RTSS Kesinga	0:05			0.000281		
117	Narendrapur	01.05.20	15:45	18:08	2:23	220/132kV Auto-II	PRV.							
118	Choudwar	01.05.20	15:53	16:27	0:34	132KV Choudwar- TS ALLOY	O/C 'R' 'Y' & Bph							
119	Nuapatna	01.05.20	16:02	17:03	1:01	132KV Nuapatna-Khajuriakata-Dhenkanal 'T' Ckt.	E/F							
					16:02 17:04	1:02	132KV Nuapatna-Arati Ckt.							
120	Khajuriakata	01.05.20	16:31	17:03	0:32	Khajuriakata- Nuapatna	Tripped in Back-Up Relay							
121	Kendrapara	01.05.20	16:58	17:42	0:44	132KV KENDRAPARA - MARSHAGHAI CKT-I	TRIPPED ON BACKUP E/F WITH M/R.	MARSHAGHAI	0:41			0.00814	MARSHAGHA I	

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		
			16:59	17:40	0:41	132/33 KV TRANSFORMER -I at Marshaghai	O/C &E/F, DIFF. PICKED UP								
			16:59	17:47	0:48	132/33 KV TRANSFORMER -II at Marshaghai	O/C &E/F, DIFF. PICKED UP								
122	Kesinga	01.05.20	17:02	17:12	0:10	132KV RTSS Kesinga	Directional O/C, E/F	RTSS Kesinga	0:10			0.000562			
123	Budhipadar	01.05.20	17:54	23:14	5:20	220kV B.Padar-Korba Ckt-II	Z1, R Ph., 23.84kA, 0.3km.								
124	Kesinga	01.05.20	21:58	22:03	0:05	132KV RTSS Kesinga	Directional O/C, E/F	RTSS Kesinga	0:05			0.000281			
125	Therubali	01.05.20	22:29	22:31	0:02	132 KV Kesinga Ckt.	Tripped at Therubali end.	Kesinga, Kesinga Tr., Muniguda, Bhawanipatna, Junagarh	0:02			0.00096	Kesinga, , Muniguda, Bhawanipatna, Junagarh		
126	Duburi	01.05.20	23:59	02.05.20 05:22	5:23	132kV Duburi-BC Mohanty Ckt.	Tripped due to bursting of R Ph. LA in the Incomer Fdr at BC Mohanty S/S.	Bamnipal, Tamka Tr.	5:23			0.13113	Bamnipal,		
127	Therubali	02.05.20	0:12	0:17	0:05	220KV Therubali-Narendrapur Ckt-2	Zone-1, L2N, 61.48 KM at Thv end. Zone-1,Y-ph E/F at NPUR end								
128	J.Road	02.05.20	5:12	17:36	12:24	132 KV Jajpur Road - Duburi- II Ckt.	DP Relay Operated, IR =1.87KA, Zone-1, Dist-57.24KM								
129	Kesinga	02.05.20	1:51	1:55	0:04	132KV RTSS Kesinga	Directional O/C, E/F	RTSS Kesinga	0:33			0.0028093			
			3:30	3:35	0:05										
			7:09	7:14	0:05										
			7:16	7:19	0:03										
			7:46	7:56	0:10										
			14:47	14:51	0:04										
			17:00	17:03	0:03										
			17:55	17:58	0:03										
130	Bolangir(New)	02.05.20	10:08	10:13	0:05	132KV Sadeipali-Sonepur ckt-I	Tripped on earth fault displayed on o/c and e/f relay.	Sonepur and Boudh	0:05			0.00254	Sonepur and Boudh		
131	Umerkote	02.05.20	18:41	18:54	0:13	132KV DABUGAON-UMERKOTE Ckt.	Tripped from Tentulikhunti	Dabugaon, Umerkote	0:13			0.00422	Dabugaon, Umerkote		
132	Therubali	03.05.20	0:22	0.23	0:01	132 KV Kesinga Ckt.	Tripped at Therubali end.	Kesinga, Kesinga Tr., Muniguda, Bhawanipatna, Junagarh	0:01			0.00048	Kesinga, , Muniguda, Bhawanipatna, Junagarh		

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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	
133	Kesinga	03.05.20	0:21	0:31	0:10	132KV RTSS Kesinga	Directional O/C, E/F	RTSS Kesinga	2:47			0.009383		
			0:22	0:24	0:09									
			0:49	0:59	0:10									
			2:40	2:45	0:09									
			3:42	3:52	0:10									
			11:09	11:14	0:10									
			11:53	11:56	0:10									
			14:36	14:39	0:03									
			14:52	15:00	0:08									
			19:15	19:25	0:10									
			20:20	20:30	0:10									
			20:57	21:07	0:10									
			21:47	21:51	0:04									
			21:54	21:56	0:04									
			22:13	22:18	0:05									
			22:30	22:37	0:05									
			22:57	23:04	0:05									
			0:15	0:20	0:05									
			0:31	0:37	0:05									
			5:16	5:21	0:05									
			6:20	6:27	0:05									
			6:38	6:43	0:05									
			6:48	6:53	0:05									
			7:48	7:53	0:05									
134	Barpali	03.05.20	6:53	6:55	0:02	132KV RTSS Dunguripali	O/C	RTSS Dunguripal	0:13			0.0007699		
			7:24	7:35	0:11									
135	Therubali	03.05.20	14:37	14.52	0:15	220KV Therubali-Narendrapur Ckt-2	Zone-1, L3N, 146 KM at Thv end. Zone-1,B-ph E/F at NPUR end							
136	Therubali	03.05.20	21:53	21:55	0:02	132 KV Kesinga-Bhawanipatna	Tripped at Theruvali end	Muniguda, Powmex, Kesinga, Traction,	0:02			0.0022348	Muniguda, , Kesinga, , Bhawanipatna, Junagarh	
			21:55	21.57	0:02	132 KV Therubali-Kesinga Ckt.								
137	Barpali	04.05.20	4:49	4:51	0:02	132KV RTSS Dunguripali	O/C	RTSS Dunguripal	0:05			0.0003		
			6:02	6:04	0:02									
			8:05	8:06	0:01									
138	Rajgangpur	04.05.20	8:07	9:09:00	1:02:00	132KV Rajgangpur-BUDHIPADAR Ckt.	DP AGT LOC 30.43KM A-1986A G-2132A Z1 MT							
139	Kuchinda	04.05.20	8:31	8:59	0:28	132kv SMC Ckt.	Tripped at SMC end	Kuchinda	0:28			0.00489	Kuchinda	

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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	
140	Joda	04.05.20	8:44	9:12	0:28	132KV Joda-Polasponga Ckt..	Tripped at Both End. AT Joda end - Dp Relay Tripped,Zone-01, F.D- 3.33KM, F.L-L2-N, Fault Current : IL1-292.24A, IL2-5914.91A, IL3-242.10A, IN-5728.95A At PPNG end: E/F ZONE1 Loc=33.25KM, Ia=310A, Ib=354A, Ic=256A, IG= 546A, In=0A.	Polasponga, ESIL, Traction, Patnaik St.	0:28			0.01815	Polasponga,	
141	Joda	04.05.20	9:09	9:35	0:26	132KV Joda-Kenduposi Ckt..	Tripped only at Joda end. 1). B/U Relay 2) Directional O/C Relay. 3) O/C Relay Tripped. Fault Current- IL1-0.20KA, IL2-0.32KA, IL3-1.59KA							
142	Rengali	04.05.20	9:36	12:20:00	2:44	220KV RENGALI S/Y-Tarkera Ckt.-II	DP RELAY OPERATED,Z3 START,FAULT ABS DIST=130.08KM ,FAULT REAL DIST=97.07%,LOOP=L1-N,IL1=3607.85A,IN=3730.12A							
143	Joda	04.05.20	10:37	11:02	0:25	220KV Joda-TTPS CKT-I Ckt.	Tripped at Both End . AT Joda end -	Banspani Tr., FAP, JSPL, TATA St.,	0:25			0.05455		
		10:37	05.05.20	15.12	28.35	220KV Joda-TTPS CKT-II Ckt.	Dp Relay Tripped,Zone-01, F.D- 11.610KM, F.L-L1-N, Fault							
144	Meramundai	04.05.20	11:12	14:35	03:23	220kV Meramundai-Bhanjanagar Ckt-II	Tripped at Mrdl. End: Z1, L1-N, 2424.2Amp, 11.6km.							
145	Bhadrak	04.05.20	12:17	17:17	4:00	220/132kV Auto-III	Tripped on 86 A,86B,86AX,86BX,Over flux alarm optd.							
146	Kesinga	04.05.20	12:20	12:26	0:05	132KV RTSS Kesinga	Directional O/C, E/F	RTSS Kesinga	1:38			0.010169		
		12:28	12:34	0:05										
		13:54	13:59	0:05										
		15:33	15:38	0:05										
		16:05	16:10	0:05										
		16:27	16:32	0:05										
		16:39	16:45	0:05										
		17:07	17:12	0:05										
		19:35	19:45	1:05										
		18:44	18:47	0:05										
		21:42	21:50	0:08										
		21:54	22:04	0:10										
		22:23	22:28	0:05										

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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	
147	Barpali	04.05.20	22:24	22:29	0:05	132KV RTSS Dunguripali	O/C	RTSS Dunguripali	0:09				0:000473770	
			22:31	22:41	0:10									
			23:31	23:36	0:05									
			12:54	12:55	0:01									
			14:32	14:37	0:05									
148	Therubali	04.05.20	14:43	14:45	0:02	220KV Therubali-Narendrapur Ckt-2	Zone-1, L3N, 68.49 at Thv end. Zone-1, 160 km CG at NPUR end							
			21:11	21:12	0:01									
149	Therubali	04.05.20	17:23	18:01	0:38	220KV Therubali-Narendrapur Ckt-1	Zone-1, ABG at Thv end. Zone-1, 162.54km,ABG at NPUR end							
			17:23	18:07	0:44									
150	Boudh	04.05.20	19:05	19:10	0:05	132kV Balangir-Sonepur-Boudh	Feeder tripped from balangir	Sonepur, Boudh	0:10				0.00507	Sonepur, Boudh
151	Therubali	04.05.20	19:31	19:36	0:05	220KV Therubali-Indravati Ckt-1	E/F							
			20:42	21:02	0:20									
152	Kesinga	05.05.20	0:18	0:23	0:05	132KV RTSS Kesinga	Directional O/C, E/F	RTSS Kesinga	0:15				0.000843	
			0:27	0:32	0:05									
			1:13	1:18	0:05									
153	Kesinga	05.05.20	2:10	2:15	0:05	132KV Kesinga-VAL-Muniguda-Therubali	Directional O/C, E/F	Kesinga, Trac., Powmex, Bhawanipatna, Junagarh	0:09				0.009485	Kesinga, Junagarh Bhawanipatna,
			3:50	3:54	0:04									
154	Angul	05.05.20	3:40	4:16	0:36	132KV Angul- MCL-I Ckt.	Trig signal-Trip, Fault Distance-3.4906 KM, Fault Loop- L1N							
155	Bhanjanagar	05.05.20	14:28	17:56	3:28	220KV Narasinghpur	CGT,Z-1,D=30.75 km							
156	Atri	05.05.20	17:20	18.08	0:48	220KV Atri- Narendrapur ckt-1	Dist.Protection optd, Bph- N, Ibf= 1.4 kA, Zone-1, Dist= 101.4 km							
157	Aska New.	05.05.20	17:34	18:30	0:56	132 KV Aska New-Chatrapur	E/F							
158	Kesinga	05.05.20	21:19	21:27	0:04	132KV Kesinga-VAL-Muniguda-Therubali	Directional O/C, E/F	Kesinga, Trac., Powmex, Bhawanipatna, Junagarh	0:10			0.010538	Kesinga, Bhawanipatna, Junagarh	
			23:06	23:09	0:03									
			23:30	23:37	0:03									
159	Bolangir(New)	05.05.20	23:23	23:53	0:30	220KV PGCIL-Sadeipali ckt	Tripped on SOTF and distance protection.							

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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	
160	Bolangir	06.05.20	0:51	0:58	0:07	132KV Kesinga	E/F	Acme, saintala, Tusura, Khariar, Nuapara, Kantabanji, Kantabanji Tr.	0:07 0:47 01:02 0:46			0.011830	Tusura, khariar, nuapara, kantabanji,	
161	Rajgangpur	06.05.20	1:13	2:38	1:25	132KV Rajgangpur-Tarkera Ckt.-II	DP OPERATED,AGT, FAULT CURRENT-Ia=3041A, Ig=3028A Z1 8.26KM							
			1:19	2:43	1:24	132KV Rajgangpur-Tarkera Ckt.-I	DP OPERATED,ZONE-I,AGT, E/F FAULT CURRENT-Ia=1688A, Ig=1891A 10.59KM							
162	Tarkera	06.05.20	1:22	12:08	10:46	132kV Tarkera- Rourkela Ckt-1	DP, R-E, 5.19kA.							
			1:34	11:13	9:39	220kV Tarkera-RSP Ckt-2	DP, R-E, 1km, 10.68kA.							
163	Kesinga	06.05.20	2:10	2:14	0:04	132KV Kesinga-Bhawanipatna	Tripped at Kesinga- on Overload	Kesinga, Traction, Bhawanipatna, Junagarh	0:04			0.00275	Kesinga, , Bhawanipatna, Junagarh	
			2:11	2:14	0:03	132kV Khariar-Nuapada Ckt.		Khariar,Nuapada , Nuapara Tr., Kantabanji, Kantabanji Tr.	0:03			0.00216	Khariar, Nuapada, , Kantabanji,	
164	Palaspanga	06.05.20	2:18	2:50	0:32	132KV ESSAR Ckt.	O/c , Ia=0.16KA, Ib=0.01KA, Ic=0.00KA	ESIL	0:32			0.00547		
165	Joda	06.05.20	2:30	3:06	0:36	132KV Joda- Rourkela Ckt..	Tripped only at Joda End. Dp Relay Tripped,Zone-01, F.D- 11.610KM, F.L-L3-N, Fault Current :- IL1-2A, IL2-3A, IL3-4598A, IN-4600A							
166	Palaspanga	06.05.20	2:52	2:25	0:33	132KV ESSAR Ckt.	E/F , DP ZONE1 , Ia=1.36KA, Ib=0.06KA, Ic=0.001KA, Distance= 3.12m	ESIL	0:33			0.00564		
167	Kesinga	06.05.20	3:50	3:53	0:03	132KV Kesinga-Bhawanipatna	Tripped at Kesinga- on Overload	Kesinga, Traction, Bhawanipatna, Junagarh	0:03			0.00206	Kesinga, , Bhawanipatna, Junagarh	

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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	
			3:50	3:58	0:08	132KV Kesinga-Khariar Ckt.		Khariar, Kantabanji, Tr., Nuapada, Nuapada Tr.	0:08			0.005772	Khariar, Kantabanji, , Nuapada,	
168	N Duburi	06.05.20	3:50	19:54	14:04	400kV N Duburi-Meramundai Ckt-1	Tripped on Over Voltage [idle charged from Mrdl upto Loc-23]							
169	Khajuriakata	06.05.20	4:31	5:01	0:30	Meramundai-Khajuriakata Ckt.	B-G Fault, Zone-I, Dist- 7.3Kms, If=1.8KA							
170	J.Road	06.05.20	5:34	8:30	2:56	132 KV Jajpur Road - Kendrapada Ckt.	DP Relay Operated, IR =1.54KA, Zone-II, Dist-57.24 KM							
171	Kesinga	06.05.20	5:27	5:34	0:07	132KV Kesinga-Bhawanipatna	At Therubali-Tripped Tripped at Kesinga- on Overload	Kesinga, Traction,	0:07			0.00841	Kesinga, , Bhawanipatna,	
			5:27	5:34	0:07	132kV Theruvali-Kesinga		Khariar,Nuapada , Nuapara Tr., Kantabanji, Kantabanji Tr.	0:05					
			5:29	5:34	0:05	132kV Khariar-Nuapada Ckt.								
172	Jagatsingpur	06.05.20	6:07	6:38	0:31	132KV Jagatsingpur - Paradeep Ckt.	At Paradeep-Tripped	Jagatsingpur Jagatsingpur Tr.	0:01			0.000561	Jagatsingpur	
173	Kesinga	06.05.20	8:20	8:30	0:10	132KV RTSS Kesinga	Directional O/C, E/F	RTSS Kesinga	0:30			0.001686		
			10:25	10:35	0:10									
			11:56	12:06	0:10									
174	Nuapada	06.05.20	10:34	10:38	0:04	132kV Khariar-Nuapada Ckt.	Due to Circuit Overloading	Khariar,Nuapada , Nuapara Tr., Kantabanji, Kantabanji Tr.	0:04			0.00289	Khariar, Nuapada, , Kantabanji,	
175	Bolangir(New)	06.05.20	13:26	13:31	0:05	132KV Sadeipali-Sonepur ckt-I	Tripped on earth fault displayed on o/c and e/f relay.	Sonepur, Boudh	0:13			0.00659	Sonepur, Boudh	
			14:09	14:17	0:08									
176	Bhawanipatna	06.05.20	21:19	21:22	0:03	Failed from Kesinga	132 KV P/S FAIL	Kesinga, Traction, Bhawanipatna, Junagarh	0:03			0.00206	Kesinga, , Bhawanipatna, Junagarh	
177	Palaspanga	06.05.20	22:10	22:17	0:07	132KV ESSAR Ckt.	O/c , Ia=0.09KA, Ib=0.06KA, Ic=0.03KA	ESIL	0:07			0.00120		
178	Kesinga	06.05.20	23:03	23:06	0:03	132kV Theruvali-Kesinga	At Therubali end: Tripped	Kesinga,	0:10			0.00686	Kesinga, ,	

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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		
179	Joda	06.05.20	23:06	23:11	0:05	132KV Joda Polasponga Ckt..	Tripped at Both End . AT Joda end - B/U Relay, Directional O/C Trip , Fault Current :-IL1-0.66KA, IL2-0.70KA, IL3-0.60KA	Polasponga, ESIL, Traction, Patnaik St.	0:05				0.00324	Polasponga,	Bhawanipatna, Junagarh
180	Sundargarh	07.05.20	0:06	0:36	0:30:00	132 KV Budhipadar-Sundargarh CKT-II	At-Sundargarh, E/F , IL1=0.04 KA, IL2-0.05 KA,IL3=0.15KA								
181	Palaspanga	07.05.20	1:14	1:20	0:06	132KV ESSAR Ckt.	O/c , Ia=0.20KA, Ib=0.10KA, Ic=0.10KA	ESIL	0:12				0.00205		
			1:24	1:30	0:06		O/c , Ia=0.22KA, Ib=0.10KA, Ic=0.18KA								
182	Sundargarh	07.05.20	1:34	2:40	1:06	132 KV Budhipadar-Sundargarh CKT-II	At-Sundargarh,E/F , IL1=0.05 KA,IL2-0.07 KA,IL3=0.14KA								
183	Bolangir(New)	07.05.20	3:16	3:46	0:30	220KV PGCIL-Sadeipali ckt	Tripped on SOTF and distance protection.								
184	Bolangir(New)	07.05.20	3:44	7:49	4:05	160MVA Auto-III	Tripped on overfluxing protection displayed on differential protection relay.								
185	Bolangir	07.05.20	3:45	4:03	0:18	132KV Kesinga	Tripped on Over voltage	Acme, saintala, khariar, Nuapara Tr., nuapara, tusura, Kantabanji Tr., kantabanji	0:18				0.01960	khariar, , nuapara, tusura, , kantabanji	
186	Bhanjanagar	07.05.20	9:58	10:17	0:19	220KV Narasinghpur	CGT,Z-1,D=30.68KM								
			10:42	11:53	1:11										
187	Atri	07.05.20	12:06	12.16	0:10	220KV Atri- Infocity	Direct Trip CH- 1/2 received								
188	Therubali	08.05.20	11:17	11:32	0:15	220 KV Therubali- Kolab ckt-3	ABN, Z-1, 44.17 KM, at Thv end. B-PH E/f, Z-1.								

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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	
189	Budhipadar	08.05.20	13:32	13:45	0:13:00	132 KV Kalunga- Budhipadar Ckt.	At Kalunga-DP Relay- Tripped Phase- R & Y, Fault-E/F, Zone- 1, Fault location- 65.88 km, Ir-83.69 A, Iy-705.7 A, Ib-104.0 A Backup Relay- Tripped Phase-Y, Fault-E/F, Ir- 83.96 A, Iy-409.4 A, Ib-99.43 A, In-494.3 A							
			13:32	13:50	0:18:00	132KV Rajgangpur-Budhipadar Ckt.	At Rajgangpur-E/F FAULT CURRENT MT							
190	Bhanjanagar	08.05.20	14:17	14:30	0:13	220KV Narasinghpur	B-E, Z1, 29km							
			14:17	14.32	0:15	220KV Therubali-Bhanjanagar Ckt-2	CN, Z-1, 33.11 km at Thv end. At Bngr end:CN,Z-1,D=129.4KM.							
191	Palaspanga	07.05.20	14:29	14:34	0:05	132kv Joda-Polasponga Ckt.	O/C (R PH), Ia=422.5A, Ib=319.2A, Ic=273.1A, In = 0.04A, Ig= 5A	Palaspanga, Essar, Traction	0:05			0.00324	Palaspanga, ,	
192	Joda	08.05.20	17:50	18:01	0:11	132KV Joda Polasponga Ckt..	Tripped at Both End. <u>AT Joda end</u> - Dp Relay Tripped,Zone-01, F.D- 2.024KM, F.L-L2-N, Fault Current :- IL1-241.48A, IL2-6272.78A, IL3- 110.23A, IN-6050.51A	Polasponga, ESIL, Traction, Patnaik St.	0:11			0.00713	Polasponga	
193	Kalunga	08.05.20	19:30	20:43	1:13:00	132 KV Kalunga- Budhipadar Ckt.	DP Relay- Tripped Phase- R, Fault-E/F, Zone- 1, Fault location- 14.90 km, Ir-4.729 KA, Iy-54.94 A, Ib- 240.8 A Backup Relay- Tripped Phase-R, Fault-E/F, Ir- 4.929 KA, Iy-58.81 A, Ib-243.1 A, In-5.213 KA							
194	Therubali	08.05.20	19:36	19.43	0:07	132 KV Kesinga Ckt.	At Therubali end-Tripped.	Kesinga, Kesinga Tr., Muniguda, Bhawanipatna, Junagarh	0:07			0.00782	Kesinga, , Muniguda, Bhawanipatna, Junagarh	
195	Bhanjanagar	08.05.20	21:14	21:59	0:45	220KV Narasinghpur	CGT,Z-1,D=30.54KM							

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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		
		21:22	21.34	0:12	220KV Therubali-Bhanjanagar Ckt-1	CN, Z-1, 100.4 km at Thv end. At Bngr end: CGT,Z-1,D=67.69KM.									
196	Joda	08.05.20	21:36	21:52	0:16	220KV Joda-TTPS CKT-I	Tripped at Both End. AT Joda end -Dp Relay Tripped,Zone-01, F.D- 93.98KM, F.L-L1-L3, Fault Current :- IL1- 2278.49A, IL2-261.51A, IL3- 1129.94A, IN-1387.43A	JODA, Palaspanga, ESIL, Traction.	0:14				0.009074	JODA, Palaspanga, ..	
			21:36	21:50	0:14	220KV Joda-TTPS CKT-II	Tripped at Both End. AT Joda end -Dp Relay Tripped,Zone-01, F.D- 51.91KM, F.L-L3-N, Fault Current :- IL1- 423.31A, IL2-246.36A, IL3-1205.08A, IN-1755.15A								
197	Kamakhyanagar	08.05.20	22:28	22:55	0:27	132 KV Kamakhyanagar - Duburi	O/C	K.Nagar, Kalarangi	0:27				0.01067	K.Nagar, Kalarangi	
198	Jagatsingpur	09.05.20	0:37	0:46	0:09	132KV Jagatsingpur - Paradeep Ckt.	At Paradeep-Tripped	Jagatsingpur Jagatsingpur Tr.	0:09				0.005048	Jagatsingpur	
199	Rajgangpur	09.05.20	8:49	12:54:00	4:05:00	132KV Rajgangpur-Tarkera CKT-I	DP OPRATED CGT Z1 LOC 1.71KM IC-5248A IG-5346A								
200	Kendrapara	09.05.20	10:02	10:06	0:04	132KV KENDRAPARA-CHANDIKHOLE CKT-I	TRIPPED ON BACKUP E/F WITH M/R.	Chandikhol	0:04				0.00169	Chandikhol	
201	Joda	09.05.20	11:15	11:35	0:20	220KV Joda-TTPS CKT-I	Tripped at Both End . AT Joda end - Dp Relay Tripped,Zone-01, F.D- 108.58KM, F.L-L2-L3, Fault Current :- IL1-66.47A, IL2- 2040.26A, IL3-2088.18A, IN-2.06A								
202	Balasore	10.05.20	13:52	14:13	0:21	132KV Balasore-Soro Ckt.	At Balasore end: DP realy: Z-2, Y-G, Iy-2.063KA, 35.15Km [Due to heavy lightning & rain]	Soro	0:21				0.01055	Soro	
203	Meramundai	10.05.20	14:01	19:01	05:00	400kV Meramundai-Lapanga Ckt-1	At Mrdl end: L3-E, 169.1km, 2.56kA.								
204	Angul	10.05.20	16:15	16:33	0:18	132KV Angul-MCL I Ckt.	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								
205	Balasore	10.05.20	16:31	17:26	0:55	220KV Balasore-New Duburi Ckt.	At Balasore end: DP RELAY:-Gen Trip, Trip-R, Z-1, L1-N, 103.85Km, Fault Current-1.459KA [Due to eavy lightning & rain]														
206	Barbil	10.5.20	16:47	17:05	0:18	132 KV Barbil - Bolani-Beekay Steel Ckt.	Tripped as D/P Relay operated with following indications at RKL Grid end: Zone-1, Location-31.18Km, Tripped phase- C-G IA=97A, IB=250A, IC=2724A, IG=2415A [Due to heavy lightning & rain]	Barbil, Bolani, Arya Ispat, Nalda Traction and BRPL	0:18				0.01002								
207	Kalunga	10.05.20	16:55	18:34	1:39:00	132 KV Kalunga- Budhipadar Ckt.	DP Relay- Tripped Phase- R, Fault-E/F, Zone- 1, Fault location- 28.71 km, Ir-3.602 KA, Iy-24.81 A, Ib-185.2 A Backup Relay- Tripped Phase-R, Fault-E/F, Ir- 3.604 KA, Iy-23.59 A, Ib-191.9 A, In-3.808 KA														
208	Sundargarh	10.05.20	17:12	17:18	0:06:00	132 KV Budhipadar-Sundargarh CKT-II	At-Sundargarh, O/C,R,Y,B-phase														
209	Dhenkanal	10.05.20	17:23	17:36	0:13	132KV Dhenkanal-Nuapatna	DP relay:L3-N, I3=2.073kA, 26.95KM														
			17:47	19:12	1:25	132 KV Khajuriakata- Nuapatna	B-G Fault, Zone- I, Dist- 46.2Kms, If=1.48KA														
			17:23	17:33	0:10																
			17:47	19:10	1:23	132 KV Budhipadar-Sundargarh CKT-II	At-Sundargarh, O/C,R,Y-phase														
210	Budhipadar	10.05.20	17:47	17:52	0:05:00	220kV Budhipadar-Lapanga Ckt-1	Tripped at B.Padar end only-(Y Ph. Jumper snapped at Loc-54R Ph), E/F, Z2, 15.18km, 11.55kA.														
211	Phulnakhara	10.05.20	18:22	18:28	00:06	132KV Cuttack-Phulnakhara Ckt.	At Cuttack end: O/ C R-ph & E/F, Zone-1	Phulnakhara	00:06:00			0.00231	Phulnakhara								
212	Bidanasi	10.05.20	18:24	19:02	0:38	220KV Bidanasi-Cuttack Ckt-II	Tripped on O/C Y & B-phase.														
213	Mania	11.05.20	5:28	5:46	0:18	MANIA - OCL INCOMER	R PHASE GROUNDED	Mania	0:11			0.00008	Mania								
		11.05.20	5:33	5:44	0:11	ICCL MANIA INCOMER															
214	Angul	11.05.20	10:05	10:08	0:03	132 KV Angul-MCL- II Ckt.	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		
215	Jayanagar	12.05.20	10:08	20:27	10:19	132kV Jayanagar Traction Ckt.	B Phase CT burst. (Jayanagar, Tentulikhunti affected due to damage to the Reserve Bus isolator)	Jayanagar Tr., Tentulikhunti, Dabugaon, Umerkote	10:19 1:30			0.07124 0.04329	Jayanagar Tr., Tentulikhunti, Dabugaon, Umerkote		
216	Therubali	12.05.20	13:48	14:01	0:13	220KV Therubali-Indrabati Ckt-1	CN, Z-1, 54.67 km at Thv end. BG, Z-1 at Ind end.								
217	Therubali	12.05.20	23:12	23.14	0:02	132 KV Kesinga Ckt.	At Therubali end: C-A Phase.	Kesinga, Kesinga Tr., Muniguda, Bhawanipatna, Junagarh	0:02			0.00223	Kesinga, , Muniguda, Bhawanipatna, Junagarh		
218	Therubali	13.05.20	2:01	2:02	0:01	132 KV Kesinga Ckt.	Tripped at Therubali end.	Kesinga, Kesinga Tr., Muniguda, Bhawanipatna, Junagarh	0:01			0.00112	Kesinga, , Muniguda, Bhawanipatna, Junagarh		
219	Samabalpur	13.05.20	7:40	8:30	0:50	132kV Burla-Sambalpur Ckt..									
220	Budhipadar	13.05.20	17:06	19:02	1:56	220kV Budhipadar-Tarkera Ckt-1	At B.padar end: DP, Z1, B-N, 79.9km, 2.22kA. At Tarkera end: Z1, B-N, 18.1km, 5.39kA.								
221	Nuapatna	14.05.20	8:20	13:22	5:02	132KV Nuapatna-Arati Ckt.	E/F(Non closing of its own breaker)	Arati TS ALLOY	0:04			0.00144			
222	Choudwar	14.05.20	8:20	8:23	0:04	132KV Choudwar- TS ALLOY	O/C B'ph								
223	Palaspanga	14.05.20	14:37	14:51	0:14	132KV ESSAR Ckt.	E/F , DP ZONE1 , Ia=1.61KA, Ib=0.09KA, Ic=0.01KA, Distance= 2.92m	ESIL	0:14			0.00239			
224	Joda	14.05.20	15:22	16:03	0:41	220KV Joda-TTPS CKT-II	Tripped at Both End . AT Joda end -Dp Relay Tripped.Zone-01, F.D- 34.66KM, F.L-L1-N, Fault Current :- IL1- 2819.18A, IL2-102.59A, IL3-234.74A, IN-3151A								
225	Keonjhar	14.05.20	16:40	18:35	1:55	220kV Keonjhar-Keonjhar PG Ckt.	Tripped at Keonjhar PG end								

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										MW rescheduled or estimated capacity 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	
226	Sundargarh	14.05.20	18:54	19:44	0:50	132 KV Budhipadar-Sundargarh CKT-I	At-Sundargarh, E/F	Sundargarh	0:50			0.01780	Sundargarh	
		14.05.20	18:54	18:22 (16.05.20 20)	23:28	132 KV Budhipadar-Sundargarh CKT-II	At-Sundargarh, O/C,B-phase, IL1=0.17 KA,IL2=0.24 KA,IL3=2.31KA  DP:Zone-1,CGT,Loc.-1.51,A=171 A,B=239 A,C=2306 A,N=2715 A, B-phase CVT Burst							
227	Berhampur	15.05.20	6:19	6:37	0:18	132kV Berhampur-Digapahandi Ckt.	DP relay, Zone-1, Digapahandi end 19.07KM	Digapahandi	0:18			0.0056126	Digapahandi	
228	Joda	15.05.20	9:42	10:25	0:43	220KV Joda-TTPS CKT-II	Tripped at Both End .  <u>AT Joda end -B/U Relay Tripped, Fault Current :- IL1-220.5A, IL2-</u>							
229	Bolangir(New)	15.05.20	11:12	11:27	0:15	220KV Bargarh(New)-Sadeipali ckt	Tripped on distance protection and over voltage stage 1/2 operated.							
230	Bangiriposi	15.05.20	12:59	13:41	0:42	132KV Kuchei-Bangiriposi-PGCIL Ckt..	At PGCIL End: E/F in B- Ph. Distance-5.47 km., Zone-1, General Trip, Ib-4.40KA.	Bangiriposi, Rairangpur, Karanjia, Dhenikot.	0:42			0.02375	Bangiriposi, Rairangpur, Karanjia, Dhenikot.	
231	Rajgangpur	15.05.20	15:53	16:51	0:58	132KV Rajgangpur-Budhipadar Ckt.	DP OPERATED CGT ZONE-1 LOC 18.44KM IC-1767A IG-1923A [Due to heavy lightning & rain]							
232	Kalunga	15.05.20	15:54	16:03	0:09	132 KV Kalunga- Budhipadar Ckt.	DP Relay- No indication Backup Relay- Tripped Phase-Y & B, Fault- E/F, Ir- 152.4 A, Iy-228.0 A, Ib-216.4 A, In-580.2 A							
233	Rajgangpur	15.05.20	16:05	18:21	2:16	132KV Rajgangpur-Tarkera CKT-I	At Rgp end: DP OPERATED AGT IA-4204A,IG-4710, ZONE-1 LOC-05.56KM At Tarkera end: E/F, Z1, R Phase, 4.3kA.							

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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	
234	Tarkera	15.05.20	16:40	23:04	6:24	220kV Tarkera - Rourkela PG Ckt-1	At Rourkela PG end: E/F, Z1, R-Phase, 11.09km, 11.89kA							
235	Bhawanipatna	15.05.20	21:39	21:49	0:10	132kV Kisinga	At Kisinga-Tripped	Kisinga, Traction, Bhawanipatna, Junagarh	0:10			0.00686	Kisinga, , Bhawanipatna, Junagarh	
236	Tarkera	16.05.20	2:38	11:45	9:07	220 kV Tarkera RSP Ckt II								
237	Therubali	16.05.20	3:34	3:38	0:04	132 KV Kisinga Ckt.	Tripped at Therubali end.	Kisinga, Kisinga Tr., Muniguda, Bhawanipatna, Junagarh	0:04			0.00447	Kisinga, , Muniguda, Bhawanipatna, Junagarh	
238	Rajgangpur	16.05.20	9:37	11:42:00	2:05:00	132KV Rajgangpur-Tarkera CKT-I	DP OPERATED BGT ZONE-1 LOC 2.58KM IB-4809A IG-5089A							
239	Therubali	16.05.20	12:39	13:09	0:30	220KV Therubali-Indrabati Ckt-2	BN, Z-2, 19.69 km AT Thv end. BN, Z-1 at Ind end.							
			13:08	17:13	3:57	220 KV Therubali- Kolab ckt-3	BN, Z-2, 63.8 km AT Thv end. BN, Z-1 at Kolab end.							
240	Joda	16.05.20	13:58	14:26	0:28	220KV Joda-TTPS CKT-II	Tripped at Both End .AT Joda end - B/U Relay Tripped, Fault Current :- IL1-588.3A, IL2-172.1A, IL3-197.4A, IN-790.4A							
241	Podagada	16.05.20	15:09	15:18	0:09	132KV Podagada-Rayagada Ckt.	Auto-tripped, R, B Phase fault, Z1 Trip	Podagada, Rayagada, Akhusing, Parlakhemundi,	0:06			0.00302	Podagada, Rayagada, Akhusing, Parlakhemund	
			15:09	15:15	0:06	132KV Jayanagar-Podagada Ckt.	Auto-tripped due to fault in Rayagada Feeder							
242	Joda	16.05.20	17:03	17:59	0:56	132KV Joda-Rourkela Ckt.	Tripped at Joda End . AT Joda end - B/U Relay Tripped, Fault Current :- IL1-4.41A, IL2-0KA, IL3-4.86KA,							
243	Barbil	16.5.20	17:05	17:10	0:05	132 KV Barbil - Bolani-Beekay Steel Ckt.	132 KV Barbil - Bolani-Beekay Steel fdr tripped at Beekay Steel end due to E/F	Barbil, Bolani, Arya Ispat, Nalda Traction, BRPL	0:05			0.00278	Barbil	

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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	
244	Malkangiri	16.05.20	17:17	17:24	0:07	220 KV Baalimela Incomer Circuit-1	SOTF OPTD							
245	Angul	16.05.20	19:23	19:33	0:10	132KV Angul-MCL-II Ckt.	Trig signal- ZMO2 Start, Fault distance- 3.3428 KM, Fault Loop-L1N							
246	Meramundai	16.05.20	19:27	20:21	0:54	400kV Meramundai-JSPL Ckt-I	Tripped	JSPL	0:53			0.0001953		
			19:28	20:21	0:53	400kV Meramundai-JSPL Ckt-II								
247	Joda	16.05.20	19:32	19:41	0:09	220KV Joda-TTPS CKT-II	Tripped at Both End . AT Joda end -Dp Relay Tripped,Zone-02, F.D- 131.55KM, F.L-L2-N, Fault Current :- IL1-237.67A, IL2-914.80A, IL3-148.03A, IN-1021.07A	JODA, Palaspanga, ESIL, Traction.	0:07			0.004537	JODA, Palaspanga, ,	
			19:46	20:22	0:36		Tripped at Both End . AT Joda end -Dp Relay Tripped,Zone-01, F.D- 113.71KM, F.L-L2-N, Fault Current :- IL1-189.29A, IL2-1275.70A, IL3-197.87A, IN-1307.69A							
			19:32	19:39	0:07	220KV Joda-TTPS CKT-I	Tripped at Both End . AT Joda end -Dp Relay Tripped,Zone-01, F.D- 129.44KM, F.L-L1-L2, Fault Current :- IL1-1769.66A, IL2-1120.37A, IL3-137.18A, IN-1021.07A							
			19:59	17.05.20	17:56		Tripped at Both End . AT Joda end -Dp Relay Tripped,Zone-01, F.D- 110.84KM, F.L-L1-N, Fault Current :- IL1-1214.99A, IL2-287.94A, IL3-317.30A, IN-1312.36A							
248	Meramundai	16.05.20	20:20	21:37	1:17	132kV Meramundai-Dhenkanal Ckt.	E/F, Z1, B Phase, 14.5km, 5.38kA.							
249	Khajuriakata	16.05.20	20:22	20:25	0:03	132kV Khajuriakata- Nuapatna	Back-Up Relay Operated. If= 0.97KA							
250	Nimapara	17.05.20	11:03	11:13	0:10	132KV Nimapara-Chandaka Ckt.	DP Relay Z-1, Distance 30.91KM, Ia 2.93KA Rph-E							
251	Therubali	17.05.20	11:20	11:45	0:25	220 KV Therubali- Kolab ckt-3	ABN, Z-2, 64.8 km AT Thv end. BN, Z-1 at Kolab end.							
252	Atri	17.05.20	11:23	12.08	0:45	132KV Atri- Argul ckt-2	Dist.Protection optd, Y ph, Bph, If= 2.69 kA Ibf= 2.54 kA, Zone-2/3 multiphase fault, Dist= 41.9 km							

Sl. No.	Substation	Date	From	To	Duration / CB etc.)not available	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		
			12:35	13.12	0:37	132KV Atri- Argul ckt-2	Dist.Protection optd, Y ph, Bph, Iyf= 3.35 kA Ibff= 3.34 kA, Dist= 26 km								
253	Budhipadar	17.05.20	12:58	18:24	5:26	220kV B.Padar- Korba Ckt-II	At B.Padar end: Z1, L3-E, 32.3km, 3.47kA.								
254	Therubali	17.05.20	22:22	22.23	0:01	132 KV Kesinga Ckt.	Tripped at Therubali end.	Kesinga, Kesinga Tr., Muniguda, Bhawanipatna, Junagarh	0:01			0.00112	Kesinga, , Muniguda, Bhawanipatna, Junagarh		
255	Aska New.	18.05.20	11:01	11:29	0:28	132 KV Aska New-Chhatrapur	Tripped-Master Relay operated								
256	Berhampur	18.05.20	12:06	17:30	5:24	132kV Berhampur-Digapahandi Ckt.	Tripped. [B Ph Jumper snap at Loc-50. ]	Digapahandi, Chikiti	0:56			0.02691	Digapahandi, Chikiti		
257	Kalunga	18.05.20	12:09	12:20	0:11	132 KV Kalunga- Budhipadar Ckt.	DP Relay- Tripped Phase- Y, Fault-E/F, Zone- 1, Fault location- 53.92 km, Ir-102.1 A, Iy-1.926 KA, Ib-131.8 A Backup Relay- Tripped Phase-Y, Fault-E/F, Ir- 98.35 A, Iy-1.921 KA, Ib-94.14 A, In-2.046 KA								
258	Therubali	18.05.20	13:31	13.44	0:13	132 KV Rayagada Ckt.	Tripped	Rayagada, Rayagada Tr., Akhusing, Parlakhemundi.	0:13			0.00733	Rayagada, Akhusing, Parlakhemundi.		
259	Kalunga	18.05.20	16:18	16:58	0:40	132 KV Kalunga- Budhipadar Ckt.	DP Relay- Tripped Phase- B, Fault-E/F, Zone- 1, Fault location- 75.59 km, Ir-89.13A, Iy-121.1 A, Ib-1.292 KA Backup Relay- Tripped Phase-B, Fault-E/F, Ir- 88.65 A, Iy-120.9 A, Ib-1.302 KA, In-1.488 KA								
260	Berhampur	18.05.20	17:54	18:36	0:42	132kV Narendrapur-Berhampur D/C Ckt.	DP relay, zone-1, 7.7KM from Berhampur 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						
261	Therubali	18.05.20	22:16	22.18	0:02	132 KV Kesinga Ckt.	Tripped at Therubali end.	Kesinga, Kesinga Tr., Muniguda, Bhawanipatna, Junagarh	0:04		0.00447	Kesinga, , Muniguda, Bhawanipatna, Junagarh							
			22:27	22.29	0:02														
262	Marshaghai	19.05.20	5:49	5:57	0:08	132KV Paradeep-Marshaghai Ckt.	O/C & E/F	Marshaghai	0:08		0.00159	Marshaghai							
			5:49	5:58	0:09	132 KV Marshaghai-Kendrapara Ckt.													
263	Ranasingpur	19.05.20	8:39	9:08	0:29	132KV Ranasingpur-Kesura Ckt.		Kesura	0:29			0.010422	Kesura						
264	Kesinga	19.05.20	13:02	13:07	0:05	132KV RTSS Kesinga	Directional O/C, E/F	RTSS Kesinga	0:05			0.000281							
265	Kesinga	19.05.20	15:43	15:47	0:04	132kV Bhawanipatna- Kesinga	At Kesinga-Tripped	Kesinga, Powmex, Traction, Khariar, Kantabanji,	0:10		0.02497	Kesinga, , Khariar, Kantabanji, , Nuapara, , Bhawanipatna, Junagarh							
			16:49	16:55	0:06														
			15:44	15:48	0:04	132kV Khariar-Nuapada Ckt.	At Khariar-Tripped on Over Current B-Ph Fault	Kantabanji Tr., Nuapara, Nuapara Tr., Bhawanipatna, Junagarh											
			16:49	16:55	0:06														
266	N Duburi	19.05.20	17:47	18:57	1:10	220kV N Duburi-Paradeep Ckt-I	At paradeep end: B Phase, 75.2km												
267	Bhawanipatna	19.05.20	21:03	21:11	0:08	Failed from Kesinga	TRIPPED AT LANJIGARH END	Kesinga, Powmex, Traction, Bhawanipatna, Junagarh	0:08			0.00843	Kesinga, , , Bhawanipatna, Junagarh						
268	Kendrapara	19.05.20	21:45	21:49	0:04	132KV Kendrapara-Chandikhol Ckt.-I	TRIPPED ON BACKUP E/F WITH M/R.	Chandikhol	0:04			0.00169	Chandikhol						
269	Dhenkanal	19.05.20	22:27	22:40	0:13	132KV Dhenkanal-Nuapatna-Khajuriakata "T- Ckt."	At Dhenkanal-DP relay:L3-N, I3=1.538kA, Z-1, 30KM At Khajuriakat-B-G Fault, Zone-I, Dist- 46.0Kms, If=1.5KA												

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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	
270	Olaver	20.05.20	0:29	9:48	9:19	132kV Olaver-Chandbali Ckt-1	Tripped on Over voltage [Due to cyclone AMPHAN]							
271	Bhadrak	20.05.20	2:24	13:00	10:36	132 KV Bhadrak-DPCL-I	Tripped on zone-I,Dist=52.99 km,IA=1.788 KA,IB=322.9A,IC=352.3A	DPCL	10:36			0.05693		
272	N Duburi	20.05.20	2:42	21.05.20 11:23	#####	220kV N Duburi-Balasore Ckt.	Tripped-Due to Snapping of Y & B Phase conductor at Loc. No-395.							
273	Aska New.	20.05.20	4:22	5:32	1:10	160 MVA AUTO TRF-2	TRIPED ON OVER FLUXING							
274	J.Road	20.05.20	5:17	16:55	11:38	132 KV Jajpur Road - Anandapur-I Ckt.	DP relay Zone-I fault current- IB= 1.764KA ,Z1, 27.07KM							
275	Aska New.	20.05.20	5:45	6:29	0:44	160 MVA AUTO TRF-2	TRIPED ON OVER FLUXING							
276	Kendrapara	20.05.20	5:49	14:07	8:18	132KV KENDRAPARA - SALIPUR S/C Ckt.	TRIPPED ON DP RELAY WITH DIST.00KM,B-PH							
277	Cuttack	20.05.20	6:19	06:42	00:23	132 KV Cuttack- Jagatsinghpur Ckt.	Tripped on O/C in R-Y-B ph,E/F. IL1=0.01KA,IL2=2.36KA,IL3=0.01 KA	Jagatsinghpur Jagatsinghpur Tr.	04:55			0.165474	Jagatsinghpur	
							Tripped on O/C in R-Y-B ph,E/F. IL1=0.01KA,IL2=2.34KA,IL3=0.01 KA							
278	Angul	20.05.20	7:34	8:02	0:28	132KV Angul- Boinda Ckt.	Trig signal- Trip, Fault Distance- 17.954 KM, Fault loop-L2N	Boinda	0:13			0.0027995	Boinda	
279	N Duburi	20.05.20	8:53	12:57	04:04	220kV N Duburi-Emami Ckt.	At N Duburi end: DP, Z1, B-E, 4.45kA, 4.3km.							
280	Bhanjanagar	20.05.20	10:02	10:24	0:01	Auto Transformer-II	Tripped due to bird fault.	Bhanjanagar, Phulbani	0:01			0.00070	Bhanjanagar, Phulbani	
		20.05.20	10:02	17:55	7:53	160 MVA Auto tfr no-1	BPH O E/F							
281	Aska New.	20.05.20	10:13	11:51	1:38	160 MVA AUTO TRF-2	TRIPED ON OVER FLUXING							
282	Meramundai	20.05.20	10:13	15:27	5:14	400kV Meramundai-Mendhasal Ckt-I	At Mrdl end: DTT At Mdsl end: Tripped on Over voltage.							
283	N Duburi	20.05.20	10:13	22.05.20 20:18	#####	220kV N Duburi-JSPL Ckt-II	E/F, Y Ph, 5.5km, 12.3kA.							
284	Bolangir(New)	20.05.20	11:51	11:58	00:07	132KV Sadeipali-Barpali Ckt.	At Bolangir N end: DP, Z2, Y-E, 1.812kA, 48.06km.	BARPALI, RTSS	0:17			0.00758	BARPALI,	

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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	
			11:59	12:09	00:10		Tripped on distance protection.	Dunguripali						
285	Kamakhyanagar	20.05.20	11:51	11:59	0:08	132 KV Kamakhyanagar - Duburi	E/F	K.Nagar, Kalarangi	0:08			0.00316	K.Nagar, Kalarangi	
286	Balasore	20.05.20	12:44	18:35	5:51	132kV Balasore-Udala Ckt.	Tripped due to snapping of B Ph wavetrap jumper.	Udala , Betanati	0:59			0.01470	Udala , Betanati	
287	Bhanjanagar	20.05.20	13:32	15:03	1:31	132kV Bhanjanagar- Phulbani Ckt.	Tripped due to B Phase PT burst at B.Nagar Grid S/S.	Phulbani	1:31			0.02682	Phulbani	
288	Joda	20.05.20	13:48	14:05	00:17	132KV Joda Polasponga Ckt..	AT Joda end -Dp Relay Tripped,Zone-01, F.D- 1.91KM, F.L-L2-N, Fault Current : IL1-192.60A, IL2-5938.66A, IL3-50.82A, IN-5703.39A At PPNG end: E/F ZONE1 Loc=32.26KM, Ia=201A, Ib=185A, Ic=69A, IG= 437A, In=0A.	Polasponga, ESIL, Traction, Patnaik St.	00:31			0.02009	Polasponga, ,	
							AT Joda end -Dp Relay Tripped,Zone-01, F.D- 3.12KM, F.L-L2-N, Fault Current :- IL1-175A, IL2-5542.79A, IL3-125.38A, IN-5237.78A							
289	Kendrapara	21.05.20	6:58	7:43	0:45	132KV Kendrapara - Paradeep CKT-II	TRIPPED ON BACKUP E/F WITH M/R.	Marshaghai Kendrapara Pattamundai Olaver,Chandbali	0:19			0.0057715	Marshaghai Kendrapara Pattamundai Olaver, Chandbali	
			6:58	7:18	0:20	132KV Kendrapara - Marshaghai CKT-I								
			6:59	7:44	0:45	132KV Paradeep-Marshaghai Ckt.								
			7:00	7:18	0:18	132kV Pattamundai-Olaver Ckt.								
290	Bolangir(New)	21.05.20	12:19	17:53	5:34	132KV Sadeipali-Barpali Ckt.	Tripped on distance protection.	BARPALI, RTSS Dunguripali	0:39			0.01738	BARPALI,	
291	Bhadrak	21.05.20	14:00	14:05	0:05	220 KV Bhadrak-Balasore	Tripped on group A,group B trip relay							
292	Nuapada	21.05.20	15:02	15:15	0:13	132kV Khariar-Nuapada Ckt.	Due to Circuit Overloading	Khariar,Nuapada , Nuapara Tr., Kantabanji, Kantabanji Tr.	0:13			0.00938	Khariar, Nuapada, , Kantabanji,	

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										MW rescheduled or estimated capacity restriction affected	Time: This should match with hours of non-availability in a month in Format B-2 as the case may be			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	
293	Bhawanipatna	21.05.20	16:39	16:46	0:07	132 KV Kesinga Ckt.	Tripped at Kesinga end.	Kesinga, Powmex, Traction, Bhawanipatna, Junagarh	0:07			0.00738	Kesinga, Bhawanipatna, Junagarh	
294	Therubali	22.05.20	0:20	0:21	0:01	132 KV Kesinga Ckt.	Tripped at Therubali end.	Kesinga, Kesinga Tr., Muniguda, Bhawanipatna, Junagarh	0:01			0.00112	Kesinga, , Muniguda, Bhawanipatna, Junagarh	
295	Bhadrak	22.05.20	8:56	11:02	2:06	132 KV Bhadrak-Traction	Tripped on O/C & E/F(B-phase)	Bhadrak Tr.	2:06			0.007945		
296	Budhipadar	22.05.20	11:32	13:21	1:49	220kV Budhipadar-Tarkera Ckt-II	Budhipadar end: E/F, B Ph, Z1, 80.1km, 1.94kA Tarkera end: Z1, 27.6km, 3.28kA.							
297	Meramundai	22.05.20	11:49	19:24	7:35	400kV Meramundai-Lapanga Ckt-II	Tripped from both ends. At Mrdl end: E/F, Y Ph, 4.22kA, 99.7km. At Lapanga end: E/F, Y Ph, 3.3kA, 116.7km.							
298	Kalunga	22.05.20	12:32	12:38	0:06	132 KV Kalunga- Budhipadar Ckt.	At Kalunga-DP Relay- Tripped Phase-Y, Fault-SOTF TOR, Zone- None, Fault location- None, Ir-21.15 A, Iy-2.289 KA, Ib-21.42 A At Budhipadar-Backup Relay- Tripped Phase-Y, Fault-E/F, Ir- 21.59 A, Iy-2.288 KA, Ib-22.92 A, In-2.308 KA							
			12:46	12:59	0:13		At Kalunga-DP Relay- Tripped Phase-Y, Fault-E/F, Zone- 1, Fault location- 53.97 km, Ir-134.0 A, Iy-1.904 KA, Ib-156.7 A At Budhipadar-Backup Relay- Tripped Phase-Y, Fault-E/F, Ir- 135.5 A, Iy-1.902 KA, Ib-157.6 A, In-2.038 KA							
			12:58	17:09	4:11		At Kalunga-DP , SOTF, Declared faulty							

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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		
299	Bolangir(New)	22.05.20	13:12	13:27	0:15	220KV Bargarh(New)-Sadeipali ckt	Tripped on distance protection and over voltage stage 1/2 operated.								
			13:53	17:40	3:47		At Sadheipali end: DP, Z1, Bph-E, 10.3km, 2.82kA. At Bargarh N end: DP, Z1, B Ph-E, 43.67km, 2.65kA.								
300	Bhadrak	22.05.20	14:23	14:41	0:18	132 kv Bhadrak-Facor	Tripped on 86 A & E/F	Facor	0:18			0.000005	Facor		
301	Padampur	22.05.20	14:30	14:56	0:26	132KV INCOMER TRIPPED FROM PATNAGARH GRID END	132KV POWER SUPPLY FAILED FROM 132/33KV PATNAGARH END DUE TO DISTANCE PROTECTION OPERATED.	Padampur	0:26			0.00648	Padampur		
302	Mohana	22.05.20	16:12	18:40	2:28	132kV Mohana-Akhusing	E/F.								
303	Budhipadar	22.05.20	17:00	17:12	0:12:00	132 KV Kalunga- MCL Ckt.-II	At Budhipadar-D/P,Distance Trip Zone-I, FL = C-N,ABC Trip,F.D = 9.401 Kms, IL3= 7.328KA								
304	Kesinga	22.05.20	19:09	19:11	0:02	132KV RTSS Kesinga	Directional O/C, E/F	RTSS Kesinga	0:02			0.000112			
305	Therubali	22.05.20	22:56	22:57	0:01	132 KV Kesinga Ckt.	Tripped at Therubali end.	Kesinga, Kesinga Tr., Muniguda, Bhawanipatna, Junagarh	0:01			0.00112	Kesinga, , Muniguda, Bhawanipatna, Junagarh		
306	Palaspanga	23.05.20	6:56	6:58	0:02	132KV RTSS-KJR Ckt.	O/C (R PH), Ia=222.5A, Ib=145.2A, Ic=56.1A, In = 0.04A, Ig= 5A	RTSS Keonjhar	0:02			0.00017			
307	Bangiriposi	23.05.20	10:36	10:44	0:08	132KV BANGIRIPOSI-RAIRANGPUR Ckt..	General Trip, O/C Y&B-Ph.Zone-1, Distance-2.4km,.IL1-0.19KA,IL2-3.08KA,IL3-2.98KA.	Rairangpur, Karanjia, Dhenikot.	0:08			0.00375	Rairangpur, Karanjia, Dhenikot.		
308	Kalunga	23.05.20	12:59	17:09	4:10:00	132 KV Kalunga- Budhipadar Ckt.	DP Relay- Tripped Phase- Y, Fault-SOTF TOR, Zone- None, Fault location-None, Ir-20.04 A, Iy-2.255 KA, Ib-22.82 A Backup Relay- Tripped Phase-Y, Fault-E/F, Ir- 21.70 A, Iy-2.257 KA, Ib-23.77 A, In-2.277 KA								

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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		
309	Meramundai	23.05.20	13:01	25.05.20 20:10:00	#####	400kV Meramundai-Lapanga Ckt-II	At Mrdl end: Y-E, 112km, 4.15kA At Lapanga end: Y-E, 133.2km, 3.274kA.								
310	Rajgangpur	23.05.20	18:40	24.05.20 21:41:00	3:01	132KV Rajgangpur-Tarkera CKT-II	DP OPERATED AGT IA-5825A,IG-6181A, ZONE-1 LOC-0.9KM, [R-Phase 132Kv CT Burst At Rgp Grid Ss,Lc Taken For CT Replacement]	Dhenkanal, Joranda Tr., Narveram. Khajuriakata	00:09 00:11						
			18:40	19:31:00	0:51	132KV Rajgangpur-Tarkera CKT-I	E/F								
311	Dhenkanal	23.05.20	20:44	21:05	0:21	132 kV ICCL-DHENKANAL Ckt.	Only B/U relay operated (O/C)	Dhenkanal, Joranda Tr., Narveram. Khajuriakata	00:09 00:11			0.00688	Dhenkanal, Narveram. Khajuriakata		
			20:44	6:44	10:00	132KV Dhenkanal-Nuapatna-Khajuriakata "T- Ckt."	DP relay:L1-N, I1=1.12kA, 43.86KM								
			20:44	20:55	0:11	132 kV Meramundai-Khajuriakata Ckt.	Tripped from MRDL End								
			20:44	24.05.20 6:42:00	9:58	132 kV Khajuriakata- Nuapatna	R-G Fault, Zone-I, Dist- 14.3Kms, If=503A								
			20:44	20:53	0:09	132Kv Dhenkanal-Meramundai									
312	Kalunga	24.05.20	11:11	17:10	5:59:00	132 KV Kalunga- Budhipadar Ckt.	DP Relay- Tripped Phase- Y, Fault-E/F, Zone- 1, Fault location- 54.61 km, Ir-95.55 A, Iy-1.938 KA, Ib-120.8 A Backup Relay- Tripped Phase-Y, Fault-E/F, Ir- 97.21 A, Iy-1.932 KA, Ib-122.5 A, In-2.044 KA								
313	Jagatsingpur	24.05.20	14:47	25.05.20 13:17:00	22:30	132KV Jagatsingpur - Paradeep Ckt.	I/C power supply failed from PDP end	Jagatsingpur Gorekhnath Tr.	0:06			0.003366	Jagatsingpur		
314	Jharsuguda	24.05.20	15:08	16:04	0:56	132 kv Lapanga-Jharsuguda Ckt.	Due to CT burst at lapanga grid switchyard.	Jharsuguda, Traction, Ultratech.	0:32			0.02008	Jharsuguda, , Ultratech.		
			15:08	16:04	0:56	132 kv Jharsuguda-railway fdr									
			15:08	16:11	1:03	132 kv Jharsuguda-Ultratech									
			15:08	16:11	1:03	132 kv Jharsuguda-Budhipadar Ckt-I									
315	Kuchinda	24.05.20	15:09	15:29	0:20	132kv SMC Ckt.	(Incomer)tripped at SMC end	Kuchinda	0:01			0.00017	Kuchinda		

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	
316	Jharsuguda	24.05.20	16:36	19:56	3:20	132 kv Jharsuguda-Budhipadar Ckt-II	At Jharsuguda-Tripped due to Snapped jumpering at loc no-167							
317	Bhawanipatna	24.05.20	19:06	19:11	0:05	132 KV Kesinga Ckt.	Tripped at Kesingai end.	Kesinga, Powmex, Traction, Bhawanipatna, Junagarh	0:22		0.02318	Kesinga, Bhawanipatna, Junagarh		
			19:34	19:40	0:06									
			22:13	22:18	0:05									
			23:58	25.05.20	0:06 00:04									
318	Therubali	24.05.20	21:34	21:36	0:02	132 KV Kesinga Ckt.	Tripped at Therubali end.	Kesinga, Kesinga Tr., Muniguda, Bhawanipatna, Junagarh	0:04		0.00446	Kesinga, , Muniguda, Bhawanipatna, Junagarh		
			21:48	21:50	0:02									
319	Therubali	25.05.20	1:29	1:31	0:02	132 KV Kesinga Ckt.	Tripped at Therubali end.	Kesinga, Kesinga Tr., Muniguda, Bhawanipatna, Junagarh	0:02			0.00223	Kesinga, , Muniguda, Bhawanipatna, Junagarh	
320	Barbil	25.5.20	8:42	9:16	0:34	132 KV Barbil - Bolani-Beekay Steel Ckt.	Tripped as D/P Relay operated with following indications at RKL Grid End: Zone-1, Location-4.90Km, IA=8939, IB=8760A, IC=190A, IG=13A	Barbil Grid, Bolani, Arya Steel, Nalda Traction, BRPL	0:34			0.01892	Barbil Grid,	
321	Therubali	26.05.20	3:11	3:15	0:04	132 KV Kesinga Ckt.	Tripped at Therubali end.	Kesinga, Kesinga Tr., Muniguda, Bhawanipatna, Junagarh	0:04			0.00447	Kesinga, , Muniguda, Bhawanipatna, Junagarh	
322	Bhawanipatna	26.05.20	3:28	3:31	0:03	132 KV Kesinga Ckt.	Tripped at Kesingai end.	Kesinga, Powmex, Traction, Bhawanipatna, Junagarh	0:03			0.00316	Kesinga, , , Bhawanipatna, Junagarh	
323	Palaspanga	26.05.20	10:21	10:23	0:02	132KV RTSS-KJR Ckt.	O/C (R PH), Ia=219.9A, Ib=185.1A, Ic=72.1A, In = 0.04A, Ig= 6A	RTSS Keonjhar	0:02			0.00017		

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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	
324	Kalunga	25.05.20	11:27	17:14	5:47:00	132 KV Kalunga- Budhipadar Ckt.	DP Relay- Tripped Phase- Y, Fault-E/F, Zone- 1, Fault location- 54.12 km, Ir-98.72 A, Iy-1.921 KA, Ib-122.7 A Backup Relay- Tripped Phase-Y, Fault-E/F, Ir- 84.55 A, Iy-1.915 KA, Ib-125.0 A, In-2.018 KA							
325	Aska New.	26.05.20	13:13	13:20	0:07	132 KV Aska New-Berhampur	TRIPPED ON O/C	Berhampur, Digapahandi, Chikiti	0:07			0.00832	Berhampur, Digapahandi, Chikiti	
326	Rengali	25.05.20	13:42	26.05.20 12:52:00	11:10	220KV RENGALI S/Y-RPH Ckt.-I	NUMERICAL B/U RELAY OPERATED, IA=5760.3A,IB=1486.4A,IC=55.1A, IN=0.03A,IG=4509.59A							
327	Kalunga	26.05.20	11:38	17:14	5:36:00	132 KV Kalunga- Budhipadar Ckt.	DP Relay- Tripped Phase- Y, Fault-SOTF TOR, Zone- None, Fault location- None, Ir-20.94 A, Iy-2.280 KA, Ib-24.60 A Backup Relay- Tripped Phase-Y, Fault-E/F, Ir- 21.39 A, Iy-2.319 KA, Ib-22.82 A, In-2.339 KA							
328	Joda	26.05.20	14:04	14:18	0:14	220KV Joda-TTPS CKT-I	Tripped at Both End .  AT Joda end -1)B/U Relay Tripped, 2)Directional O/C Tripped. Fault Current :- IL1-134.7A, IL2-151.6A, IL3-342.1A, IN-408.9A							
329	Therubali	26.05.20	14:09	14:23	0:14	220KV Therubali-Bhanjanagar Ckt-1	AN, Z-1, 113.1 km at Thv end. AG, Z-1 at Bngr end.							
330	Bhawanipatna	26.05.20	21:07 22:24 1:28 1:45	21:13 22:30 1:32 1:48	0:06 0:06 0:04 0:03	132 KV Kelsinga Ckt.	Tripped at Kelsingai end.	Kesinga, Powmex, Traction, Bhawanipatna,	0:19			0.02002	Kesinga, Bhawanipatna, Junagarh	

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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		
331	Therubali	26.05.20	23:29	23:31	0:02	132 KV Kisinga Ckt.	Tripped at Therubali end.	Kesinga, Kesinga Tr., Muniguda, Bhawanipatna, Junagarh	0:02			0.00446	Kesinga, , Muniguda, Bhawanipatna, Junagarh		
			2:32	2:34	0:02										
332	Therubali	27.05.20	9:13	9:34	0:21	132 KV Rayagada Ckt.	BGT	Rayagada Tr.	0:21			0.00000			
333	Kalunga	27.05.20	12:52	13:10	0:18:00	132 KV Kalunga- Budhipadar Ckt.	DP Relay- Tripped Phase- Y, Fault-E/F, Zone- 1, Fault location- 54.62 km, Ir-92.79 A, Iy-1.884 KA, Ib-121 A Backup Relay- Tripped Phase-Y, Fault-E/F, Ir- 70.17 A, Iy-1.902 KA, Ib-123.6 A, In-1.995 KA								
334	Meramundai	27.05.20	13:42	19:40	5:58	400kV Meramundai-Lapanga Ckt-II	At Mrdl end: R-N, 2.55kA, Z1, 169.1km, At Lapanga end: R-E, 7.4kA, 33.9km								
335	Therubali	27.05.20	15:30	15:42	0:12	132 KV Kisinga Ckt.	Tripped at Therubali end.	Kesinga, Kesinga Tr., Muniguda, Bhawanipatna, Junagarh	0:21			0.02346	Kesinga, , Muniguda, Bhawanipatna, Junagarh		
			15:48	15:51	0:03										
			16:27	16:29	0:02										
			16:27	16:31	0:04										
336	Bhawanipatna	27.05.20	20:52	20:54	0:02	132 KV Kisinga Ckt.	Tripped at Kisinga end.	Kesinga, Pownex, Traction,	0:07			0.00738	Kesinga, , , Bhawanipatna, Junagarh		
			21:18	21:20	0:02										
			23:36	23:39	0:03										
337	Nuapada	27.05.20	21:17	21:23	0:06	132kV Khariar-Nuapada Ckt.	Due to Over Current B-Ph Fault	Khariar,Nuapada , Nuapara Tr., Kantabanji, Kantabanji Tr.	0:06			0.00433	Khariar, Nuapada, , Kantabanji,		
338	Balasore	28.05.20	2:55	3:49	0:54	132KV Balasore Alloys Ckt.	Numerical B/U relay: STARTED PHASE:N, TRIPPED PHASE:N, Ia= 1.156KA, Ib=1.0205KA, Ic=1.172KA	Balasore Alloys	0:54			0.01134			

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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	28.5.20	6:56	7:28	0:32	132 KV Barbil - Bolani-Beekay Steel Ckt.	Tripped as D/P relay operated At RKL grid end:- Zone-1, Location-34.50Km, IA=3287A, IB=322A, IC=3684A, IG=1823A At Beekay Steel end:-Zone-1, Location-36.,8Km, IA=606.2A, IB=348.7A, IC=635.28A [due to Heavy lightning, thunderstorm and rain ]	Barbil Grid, Bolani, Arya Steel, Nalda Traction, BRPL	0:32			0.01781	Barbil Grid,	
340	Kendrapara	28.05.20	7:32	7:40	0:08	132KV Kendrapara - Paradeep Ckt-II	TRIPPED ON DP RELAY WITH DIST.11.91KM,B-PH							
341	Barbil	28.5.20	7:46	7:53	0:07	132 KV Barbil - Joda Ckt.	Tripped as D/P relay operated with following indications at Joda grid end: Zone-1, Location- 1.48Km, Tripped phase- A-G IA=5570A, IB=256A, IC=306A, IN=1A, IG=5009A [due to Heavy lightning, thunderstorm and rain ]	Barbil Grid, Bolani, Arya Steel, Nalda Traction, BRPL	0:07			0.00390	Barbil Grid,	
342	Joda	28.05.20	8:20	14:01	5:41	220KV Joda-TTPS CKT-II	Tripped at Both End . AT Joda end -Dp Relay Tripped,Zone-01, F.D- 34.834KM, F.L-L1-N, Fault Current :- IL1- 2887.44A, IL2-177.34A, IL3- 159.76A, IN-3226.70A							
343	Kalunga	28.05.20	12:25	19:02	6:37:00	132 KV Kalunga- Budhipadar Ckt.	DP Relay- Tripped Phase- Y, Fault-E/F, Zone- 1, Fault location- 54.50 km, Ir-81.92 A, Iy-1.926 KA, Ib- 111.8 A Backup Relay- Tripped Phase-Y, Fault-E/F, Ir- 61.68 A, Iy-1.921 KA, Ib-113.9 A, In-1.999 KA							

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			
344	Rajgangpur	28.05.20	15:59	17:41:00	1:42:00	132KV Rajgangpur-BUDHIPADAR Ckt.	DP OPERATED AGT IA-1274A,IG-1356A, ZONE-1 LOC-56.67 KM,									
345	Bargarh	28.05.20	14:15	14:20:00	0:05	132 KV KATAPALI Ckt.	OVER CURRENT	Bargarh, ACC	0:05			0.00470	Bargarh,			
346	Bhawanipatna	28.05.20	14:48	14:51	0:03	132KV Kesinga	Tripped at Kesinga end.	Kesinga, Powmex, Traction, Bhawanipatna, Junagarh	0:03			0.00316	Kesinga, , , Bhawanipatna, Junagarh			
347	Bolangir	28.05.20	16:07	16:12	0:05	132KV Kesinga	E/F	Acme, saintala, khariar, nuapara, tusura, Kantabanji Tr.,	0:19			0.02069	Khariar, nuapara, tusura, , kantabanji			
			16:22	16:36	0:14	132 KV Bolangir -Sadeipali Ckt-1										
348	Bhanjanagar	28.05.20	17:21	18:45	1:24	220KV Narasinghpur	CGT,Z-1,D=15.25KM									
349	Tarkera	28.05.20	18:10	29.05.20 15:09	20:59	220 kV Tarkera RSP Ckt IV	At Tarkera end: 18.47kA.									
350	Rajgangpur	28.05.20	18:16	20:13:00	1:57	132KV Rajgangpur-Tarkera CKT-I	DP OPERATED AGT IA-1878A,IG-1584A, ZONE-1 LOC-19.36 KM,									
351	Atri	28.05.20	18:47	19.00	0:13	220KV Atri- Narendrapur ckt-2	Dist.Protection optd, Bph- N, Ibf= 2.212 kA, Zone-1, Dist= 68.68 km									
			19:32	19.56	0:24		Dist.Protection optd, Bph- N, Ibf= 1.773 kA, Zone-1, Dist= 94.18 km									
352	Kalunga	28.05.20	19:30	20:43	1:13	132 KV Kalunga- Budhipadar Ckt.	DP Relay- Tripped Phase- Y, Fault-E/F, Zone- 1, Fault location- 56.51 km, Ir-38.41 A, Iy-1.987 KA, Ib-100.1 A Backup Relay- Tripped Phase-Y, Fault-E/F, Ir- 39.71 A, Iy-1.981 KA, Ib-99.39 A, In-2.1 KA									
353	Budhipadar	28.05.20	19:34	21:03	1:29	220kV Budhipadar-Tarkera Ckt-I	Budhipadar end: E/F, B Ph, Z1, 86.1km, 1.92kA									

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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		
354	Joda	28.05.20	19:52	20:14	0:22	220KV Joda-TTPS CKT-I	Tripped at Both End . AT Joda end -Dp Relay Tripped, Zone-01, F.D- 89.61KM, F.L-L2-L3, Fault Current :- IL1-79.37A, IL2-2270.84A, IL3-1392.12A, IN-1345.99A	Joda, Barbil,Balani, Arya Steel, BRPL,IMPTCL, Nalda Tr.	0:22				0.054554	Joda, Barbil	
			19:52	20:24	0:32	220KV Joda-TTPS CKT-II	Tripped at Both End .AT Joda end -Dp Relay Tripped,Zone-01, F.D- 83.86KM, F.L-L3-N, Fault Current :- IL1-150.78A, IL2-553.42A, IL3-1134.15A, IN-1584.03A								
355	Rajgangpur	28.05.20	20:16	22:18:00	2:02:00	132KV Rajgangpur-Tarkera CKT-I	At Rajgangpur-E/F [DUE TO 33KV SUNDARGARH FAULT ]								
356	Tarkera	28.05.20	20:52	23:32	2:40	220kV Tarkera- Bonai Ckt.	L1-N, 6.8kA.								
			20:52	29.05.20 17:41	20:49	220kV Tarkera- Rengali Ckt.	L2-N, 5.8kA.								
357	Rengali	28.05.20	22:50	23:42	00:52	220KV Rengali S/Y-Tarkera Ckt.-II	NUMERICAL B/U RELAY OPERATED,IA=57.7A,IB=1557.0A,IC =53.5A,IN=1083.69A,IG=1605.96A								
			23:42	29.05.20 17:41:00	17:59		NUMERICAL B/U RELAY OPERATED,IA=58.1A,IB=1320.0A,IC =66.0A,IN=1147.09A,IG=1391.42A								
358	Joda	28.05.20	23:42	23:59	0:17	220KV Joda-TTPS CKT-II	Tripped at Both End .AT Joda end -Dp Relay Tripped,Zone-01, F.D- 34.23KM, F.L-L1-N, Fault Current :- IL1-2865.94A, IL2-103.16A, IL3-298.21A, IN-3219.78A								
359	Barbil	29.05.20	0:56	1:28	0:32	133 KV Barbil - Bolani-Beekay Steel Ckt.	Tripped as D/P relay operated RKL grid end. Zone-1, Location- 12.86Km, Tripped phase- C-G IA=117A, IB=273A, IC=4845A, IG=2.342kA [due to Heavy lightning, winderstorm and rain]	Barbil Grid, Bolani, Arya Steel, Nalda Traction, BRPL	0:32				0.01781	Barbil Grid,	
360	Kamakhyanagar	29.05.20	2:33	2:50	0:17	132 KV OPCL-K.nagar	Tripped	K.Nagar, Kalarangi OPCL	0:17			0.0067197	K.Nagar, Kalarangi		
			2:33	3:11	0:38	132 KV K.Nagar- Duburi	Tripped on Master trip-86 with tripping of all transformers at Kamakhyanagar [Due to Thunder & lightening]								

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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		
361	Bidanasi	29.05.20	3:29	3:35	0:06	220KV Bidanasi-Cuttack Ckt-II	Tripped on Group-A/B trip, M/R at Bidanasi end	Phulnakhara	01:41:00			0.03888	Phulnakhara		
			3:29	30.05.20 00:49	21:20	132kv Phulnakhara- Cuttack Ckt.	Tripped from Cuttack Grid end on O/C Y-ph, Zone-1 Dist- 0.515KM								
362	Mania	29.05.20	3:55	4:33	0:42	ICCL MANIA INCOMER	Y-B LINE FAULT, R PHASE GROUNDED	Mania	0:38			0.00027	Mania		
363	Cuttack	29.05.20	4:04	18:10	14:06	132 KV Cuttack- Jagatsinghpur Ckt.	O/C in R-Y ph and E/F. No DP relay optd.								
364	Ranasingpur	29.05.20	4:05	4:59:00	0:54:00	132kV Ranasingpur-Kesura Ckt..	Tripped at R.Singpur end.	Kesura	0:54:00			0.01941	Kesura		
365	Bidanasi	29.05.20	4:55	5:07	0:12	220KV Bidanasi-Cuttack Ckt-II	Tripped on Group-A/B trip, M/R at Bidanasi end								
366	Kalunga	29.05.20	9:41	17:38	7:57	132 KV Kalunga- Budhipadar Ckt.	DP Relay- Tripped Phase- Y, Fault-E/F, Zone- 1, Fault location- 54.23 km, Ir-94.77 A, Iy-1.961 KA, Ib-112.6 A Backup Relay- Tripped Phase-Y, Fault-E/F, Ir- 52.96 A, Iy-1.957 KA, Ib-99.18 A, In-2.050 KA								
367	Nuapada	29.05.20	9:51	10:57	1:06	132kV Khariar-Nuapada Ckt.	At khariar-Tripped due to Due to Over loading at ACME	Khariar,Nuapada , Nuapara Tr., Kantabanji, Kantabanji Tr.	1:06			0.04762	Khariar, Nuapada, , Kantabanji,		
368	Bhawanipatna	29.05.20	11:06	11:09	0:03	132kV Kesinga	At Kesinga-Tripped Due to Circuit Overloading	Kesinga, Powmex, Traction,	0:03			0.00533	Kesinga, , , Bhawanipatna,		
			11:07	11:10	0:03	132kV Khariar-Nuapada Ckt.	Due to Circuit Overloading								
369	Umerkote	29.05.20	11:44	11:50	0:06	132KV DABUGAON- UMERKOTE Ckt.	At Jayanagar-Tripped	Tentulikhunti, Dabugaon, Umerkote	0:06			0.00195	Tentulikhunti, Dabugaon, Umerkote		
370	Nuapada	29.05.20	11:57	12:02	0:05	132kV Khariar-Nuapada Ckt.	Tripped at Khariar end-Due to Circuit Overloading	Khariar,Nuapada , Nuapara Tr., Kantabanji,	0:09			0.00649	Khariar, Nuapada, , Kantabanji,		
			13:27	13:31	0:04		Due to Over Current B-Ph Fault								

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										MW rescheduled or estimated capacity 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	
371	Therubali	29.05.20	15:50	16:01	0:11	220KV Therubali-Bhanjanagar Ckt-1	CN, Z-1, 33.44 km at Thv end. CN, Z-2 at Bngr end.							
			15:50	16:02	0:12	220KV Therubali-Bhanjanagar Ckt-2	CN, Z-1, 25.74 km at Thv end. CN, Z-2 at Bngr end.							
			15:50	16:06	0:16	220 KV Therubali- Kolab ckt-3	ABN, Z-1, 33.4 km at Thv end.							
372	Cuttack	29.05.20	16:50	16:54	00:04	220KV Bidanasi-Cuttack-II								
373	Bolangir	29.05.20	17:17	17:24	0:07	132KV Kesinga		Acme, Saintala, Khariar, Nuapara Tr., Nuapara, Tusura, Kantabanji Tr., kantabanji	0:07			0.00762	Khariar, , Nuapara, Tusura, , kantabanji	
374	Tentulikhunti	29.05.20	17:25	17:37	0:12:00	132 KV Jayanagar-Tentulikhunti Ckt.	Tripped on over current [due to 33KV Indravati feeder backup relay operated and CB not tripped]	Tentulikhunti, Dabugaon, Umerkote	0:12			0.00577	Tentulikhunti, Dabugaon, Umerkote	
375	Chandikhol	29.05.20	17:30	17:32	0:02	132KV Kendrapara-Chandikhole CKT-1	Tripped from Kendrapara, No relay indication at Chandikhol Grid	Chandikhol	0:02			0.000846	Chandikhol	
376	Barbil	29.5.20	17:39	18:01	0:22	133 KV Barbil - Bolani-Beekay Steel Ckt.	Tripped as D/P relay operated with following indications at RKL grid end: Zone-1, Location-27.13Km, Tripped phase- A-G, IA=3.563kA, IB=263A, IC=4.145kA, IG=2.342kA [Due to thunderstorm]	Barbil Grid, Bolani, Arya Steel, Nalda Traction, BRPL	0:22			0.01224	Barbil Grid,	
377	Budhipadar	29.05.20	21:40	30.05.20 01:51	4:11	220kV B.Padar-Korba Ckt-2.	At B Padar end: DP, Z2, L1-E, II1=1.24kA. At Korba end: DP, Z1, R-E, Ir=6.8kA, 18.45km.							
378	Rajgangpur	30.05.20	0:08	1:58:00	1:50:00	132KV Rajgangpur-Kuchinda	DP OPERATED BGT ZONE-1 LOC 21.58KM IB-3014A IG-2848A [BAD WEATHER HEAVY LIGHTENING]	Kuchinda BAMRA RTSS	00:02 01:50:00			0.1051	Kuchinda	
			0:10	1:39:00	1:29:00	132KV Rajgangpur-Budhipadar Ckt.	DP OPERATED CGT ZONE-1 LOC 17.80KM IC-1838A IG-2050A							

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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	
			0:18	1:34:00	1:16:00	132KV Rajgangpur-Tarkera CKT-I	DP OPERATED AGT ZONE-I LOC-0.59KM IA-4298A IG-4807A							
379	Sundargarh	30.05.20	0:21	2:04	1:43:00	132 KV Budhipadar-Sundargarh CKT-I	At-Sundargarh,E/F,R-phase, IL1=2.15KA,IL2=0.18KA,IL3=0.17KA, DP:AGT,loc-2.61,A=2146A,B=176A,C=172A,N=2495 A,Zone-1							
380	Tarkera	30.05.20	0:33	9:41	9:08	220kV Tarkera-Rourkela PG Ckt-1.	DP, R Ph, 6.9km, 6.47kA.							
381	Kalunga	30.05.20	0:39	1:46	1:07:00	132 KV Kalunga- Budhipadar Ckt.	DP Relay- Tripped Phase- R, Y & B, Fault-O/C, Zone- None, Fault location- None, Ir-1.821 KA, Iy-1.859 KA, Ib-1.891 KA Backup Relay- Tripped Phase-R, Y & B, Fault-O/C, Ir- 1.801 KA, Iy-1.841 KA, Ib-1.9 KA, In-25.47 A							
382	Palaspanga	30.05.20	1:30	1:34	0:04	132KV ESSAR Ckt.	O/c , Ia=0.12KA, Ib=0.19KA, Ic=0.10KA	ESIL	0:04			0.00068		
383	Rengali	30.05.20	1:53	2:52:00	0:59	220KV Rengali S/Y-Tarkera Ckt.-II	DP RELAY OPERATED,FAULT ABS DIST=123.39 KM ,FAULT REAL DIST=92.08 %,LOOP=L3-N,JL3=3719.05 A							
384	Bolangir(New)	30.05.20	2:00	2:05	0:05	220KV Bargarh(New)-Sadeipali ckt	Tripped on distance protection.							
385	Mania	30.05.20	3:25	3:53	0:28	ICCL MANIA INCOMER	R PHASE GROUNDED	Mania	0:28			0.00020	Mania	
386	Cuttack	30.05.20	3:41	04:08	00:27	132 KV Cuttack- Jagatsinghpur Ckt.	Tripped on O/C in Y-ph & E/F with M/R.IL2=2.38KA.DP relay not optd.							
387	Jagatsingpur	30.05.20	4:16	4:55	0:39	132KV Jagatsingpur - Paradeep Ckt.	I/C power supply failed from PDP end with distance 2.1KM from PDP end	Jagatsingpur Gorekhnath Tr.	0:01			0.000561	Jagatsingpur	
388	Kendrapara	30.05.20	4:41	4:50	0:09	132KV KENDRAPARA - PARADEEP CKT-II	TRIPPED ON DP RELAY WITH DIST.14.95KM,R-PH.							

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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		
389	Bolangir(New)	30.05.20	7:38	7:52	0:14	132KV Sadeipali-Patnagarh ckt-II	Tripped on distance protection.	Patnagarh, Padampur	0:10		0.00515	Patnagarh, Padampur			
			7:38	7:58	0:20	132KV side 160MVA Auto-III	Tripped on earth fault displayed on o/c and e/f relay.								
			7:38	7:48	0:10	132KV Sadeipali-Patnagarh ckt-I	Tripped on back up o/c and e/f.								
390	Kesinga	30.05.20	15:45	15:50	0:05	132KV RTSS Kesinga	Directional O/C, E/F	RTSS Kesinga	0:05			0.000281			
391	Bhanjanagar	30.05.20	15:52	20:05	4:13	220kv Mendhasala Ckt.	CGT,Z-1,D=3.6KM-[CT FAIL]								
392	Kesinga	31.05.20	0:41	0:44	0:05	132KV RTSS Kesinga	Directional O/C, E/F	RTSS Kesinga	0:05			0.000281			
393	Palaspanga	31.05.20	7:04	7:07	0:03	132KV RTSS-KJR Ckt.	O/C (R PH), Ia=221.2A, Ib=173.5A, Ic=82.7A, In = 0.04A, Ig= 5A	RTSS Keonjhar	0:03			0.00026			
394	Jharsuguda	31.05.20	8:01	20:58	12:58	132 kv Jharsuguda-Ultratech Ckt.	snapped conductor at loc no-32to 33	Ultratech	12:58			0.12272			
395	Palaspanga	31.05.20	13:53	13:57	0:03	132KV ESSAR Ckt.	O/c , Ia=0.13KA, Ib=0.21KA, Ic=0.09KA	ESIL	0:03			0.00051			
396	Joda	31.05.20	13:56	14:43	0:47	220KV Joda-Ramachandrapur Ckt.	Tripped at Both End . <u>AT</u> Joda end - Dp Relay Tripped,Zone-01, F.D- 1.09KM, F.L-L3-N, Fault Current :- IL1-341.91A, IL2-738.46A, IL3-4535.34A, IN-5574.97A								
			13:56	14:51	0:55	220KV Joda-TTPS CKT-II	Tripped at TTPS End Only. <u>AT</u> TTPS end -Dp Relay Tripped,Zone-02, F.D- 122.4KM, Fault Current :- IL1-210A, IL2-260A, IL3-93.82A								
397	Palaspanga	31.05.20	20:40	20:50	0:10	132kv Joda-Polaspanga Ckt.	O/C (R PH), Ia=429.5A, Ib=383.9A, Ic=321.9A, In = 0.06A, Ig= 2.43A	Palaspanga, Essar, Traction	0:10			0.00648	Palaspanga, ,		
398	Rajgangpur	31.05.20	20:56	21:15	0:19	132KV Rajgangpur-KUCHINDA	DP OPERATED BGT ZONE-1 LOC-21.04KM IB-2887A IG-2872A [BAD WEATHER HEAVY LIGHTENING]	BAMRA TSS	0:19			0.00175			
399	Jharsuguda	01.06.20	6:14	2:52	0:46	132 kv Ultratech Fdr.	E/F	Ultratech	0:46			0.0072742			

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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		
400	Nuapatna	01.06.20	13:48	14:15	00:27	132KV Nuapatna-Khajuriakata-Denkanal 'T' line	E/F								
			13:48	14:17	0:29	132KV Nuapatna-Arati feeder	Y phase O/C and E/F								
			13:48	14:12	0:24	132KV Dhenkanal-ICCL fdr	Tripped on O/C Bph at ICCL & Dhenkanal end								
401	Dhenkanal	01.06.20	14:01	14:08	0:07	132KV Dhenkanal-Joranda Traction Fdr.	E/E,B/U Relay operated	Joranda Traction	0:07				0.0006598		
			14:01	14:16	0:15	132kV Khajuriakata - Nuapatana	Tripped in Back-Up Relay (E/F)								
402	Nuapatna	01.06.20	14:18	14:33	0:15	132KV Nuapatna-Arati feeder	Y phase O/C and E/F	Arati	0:15				0.0054167		
			14:20	14:47	0:27	132kv Arati Rawmet fdr	Tripped on E/F								
403	Tarkera	01.06.20	14:28	15:20	0:52	220 kV Tarkera Rengali Ckt	At Tarkera end: DP Relay, Zone I, 120.42 Kms , L1_N , IL1=1.06 kA , In=1.22 kA) At Rengali end: B/U Relay, IA=1862.5A, IB=81.6A, IC=61.2A, IN=1202.11A	Chandiposh TSS	0:52					0.0026208	
404	Joda	01.06.20	14:41	15:05	0:24	220kV Joda-TTPS ckt-II	E/F								
405	BCMohanty	01.06.20	14:41	15:31	0:50	132kV BCMohanty-Bamnipal Fdr	E/F	Bamnipal	0:50				0.0147085		
			14:44	15:45	1:01	132kV BCMohanty-Tomka Fdr									
406	Mendhasal	01.06.20	16:54	17:39	0:45	220KV Mendhasal-Chandaka Ckt-I	Tripped by DP,IL3-3.4ka,d-10.8km,Gr A/B relay optd								
			16:54	17:37	0:43	220KV Mendhasal-Chandaka Ckt-II	Tripped by DP,IL3-2.15ka,d-24.9km,Gr A/B relay optd								
407	Palaspanga	01.06.20	20:08	20:09	0:01	132kV RTSS Keonjhar Feeder	O/C (R PH), Ia=219.6A, Ib=174.5A, Ic=62.32A, Inm = 6.532A, Ind= 5.962A	RTSS Keonjhar	0:01				0.0001088		
408	Kesinga	01.06.20	23:25	23:28	0:03	132kV VAL(Lanjigarh)- Kesinga Fdr.	At Kesinga end: O/C, B Phase.	Powmex, Kesinga, Kesinga Trac., Bhawanipatna, Junagarh.	0:03				0.0029257	, Kesinga, Bhawanipatna, Junagarh.	
409	Ranasinghpur	02.06.20	8:16	15:45	7:29	132KV Ranasinghpur-Kesura	DP Relay Operated	Kesura	0:41				0.0123366	Kesura	
410	Bhanjanagar	02.06.20	10:36	11:04	0:28	220KV Bhanjanagar - Nayagarh Fdr.	B PH TO E/F, Z-1,D=21.00 KM								

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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	Budhipadar	02.06.20	11:16	13:18	2:02	220 KV Budhipadar-Korba Ckt-III	N.A							
412	Budhipadar	02.06.20	11:25	21:45	10:20	220 KV Budhipadar-Korba Ckt-II	Budhipadar End:D/P,Zone-I & II,FL=L2-E,IL2=1.17 KA & Dist=147 Km(81.2%) / Korba End:D/P,Zone-I,FL=L2-E,Dist=13.35 KM & IL2=9.308 KA [Y-Phase jumper snapped at Loc-54.]							
413	Bhanjanagar	02.06.20	12:14	17:22	5:08	220KV Bhanjanagar - Nayagarh Fdr.	B PH TO E/F, Z-1,D=17.33 KM							
414	Bolangir (New)	02.06.20	14:32	15:07	0:35	220KV PGCIL-Bolangir (New) ckt	Tripped on SOTF function displayed on Distance protection relay.							
415	Chandaka	02.06.20	15:28	17:55	2:27	132kV Chandaka-Mendhasal Fdr.	At Chandaka-Tripped At Mendhasal-Tripped at 15:32 hrs on DP,IL1-4.59ka,IL2-4.71ka,IL3-4.72,d-12.1km							
416	Tarkera	02.06.20	15:37	03.06.20 15:41	#####	220 kV Tarkera Rengali Ckt	At Tarkera end: DP Relay, Zone I, 105.54 Kms , L2-N , IL2=1.54 kA , In=1.54 kA At Rengali end: B/U Relay, IA=59.9A, IB=2260A, IC=58.6A, IN=1230.49A, IG=2343.77A	Chandiposh TSS	24:04:00			0.0727778		
417	Kalunga	02.06.20	15:57	17:18	1:21:00	132 KV Kalunga- Budhipadar Fdr.	DP, R Phase, E/F, Zone 3, 172.3 km, Ir-882.1 A, Iy-153.9 A, Ib-133.6 A Backup Relay- R Phase, E/F, Ir- 880 A, Iy-155.3 A, Ib-134.6 A, In-904.5 A							
418	Bhanjanagar	03.06.20	9:10 10:00	9:29 16:52	0:19 6:52	220KV Bhanjanagar - Nayagarh Fdr.	B PH TO E/F, Z-1,D=14.9 KM B PH TO E/F, Z-1,D=24.96 KM							
419	Jaleswar	03.06.20	14:51	19:18	04:09	132KV Jaleswar -Baripada (PG) Fdr.	At Jaleswar end: DP, B- E, 15.8 Km , Z1 , 1267 Amp.							

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1	2	3	4	5	6	7	8	9	10	11	12	13	14		
420	Dhenkanal	03.06.20	15:03	15:28	0:21	132KV Dhenkanal-ICCL fdr	DP relay:L3-N, Ic=2.7kA, Z-1, 23.5KM								
421	Budhipadar	03.06.20	15:54	04.06.20 11:04:00	19:10	132 KV Budhipadar-Sundargarh Ckt-I	At Budhipadar-Tripped on D/P i) Dist Gen Trip, ii) Relay Trip L2, iii) Dist Trip Zone-II, F.D= 33Kms(104.7%),FL=L2-E, 2) B/U(Micom P14DB), O/C +E/F(Y-Phase), Iy= 2.552KA, At Sundargarh End O/C +E/F (Y-Phase), D/P operated in Zone-I, F.D= 3.79Kms, IL2=2.06KA [Y-Phase Insulator String snapped at Loc No-95 & the Line declared faulty]								
422	Bhanjanagar	03.06.20	15:58	16:17	0:19	220KV Bhanjanagar - Narsinghpur Fdr.	B PH TO E/F, Z-1, D=62.1 KM								
423	Pattamundai	03.06.20	17:32	17:34	0:02	132 KV SC Kendrapara-Pattamundai Line	Tripped on O/C(Y- Phase) along with M/R at Pattamundai end.	Pattamundai, Olaver, Chandbali.	0:02			0.0010897	Pattamundai, Olaver, Chandbali.		
424	Angul	03.06.20	17:40	18:16	0:36	132 KV Angul-Chainpal Fdr	O/C on R-phase, DP, 3247.65 A, 6.10km, L1-N	Boinda, Traction, Rairakhol, Traction.	0:14			0.0046211	Boinda, , Rairakhol, .		
			17:41	17:55	0:14	132KV Angul- Boinda Fdr	O/C on R-phase, DP, 2426.2 A, 33.665 km, L1-N								
425	Angul	04.06.20	5:20	5:27	0:07	132 KV Angul-Chainpal Fdr	E/F								
426	Bhanjanagar	04.06.20	14:40	15:05	0:25	220KV Bhanjanagar - Nayagarh Fdr.	B PH TO E/F, Z-1, D=14.3 KM								
427	Rengali	04.06.20	15:26	16:20:00	0:54	220KV Rengali-Barkote Fdr	DP Relay, 44.6KM, Z2, IA=0.03IN, IB=0.03IN, IC=5.72IN, R=0.30 Ω.								
428	Kamakhyanagar	04.06.20	15:53	16:22	0:29	132 KV OPCL-Kamakhyanagar	DP, M/T- 86, 3 phase [Thunder and wind]								

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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		
429	Tarkera	04.06.20	16:06	17:51	1:45	220 kV Tarkera Rengali Ckt	Tarkera end: DP Relay,Zone I , 102.31 Kms , L1-N , IL1=1.56 kA , In=1.44 kA. Rengali end:B/U Relay ,IA=2333.2A, IB=71.1A, IC=68.7A, IN=1222.0A , IG=2396.23A .	Chandiposh TSS	1:45			0.005292			
430	Palaspanga	04.06.20	16:38	17:05	0:27	132kv Joda-PPG Feeder	O/C (R,Y,B PH), Ia=679.5A, Ib=706.6A, Ic=620.6A, Ig= 9.9A,In=0.11A	ESIL, Patnaik Steel, RTSS Keonjhar, Palaspanga	0:27			0.0170848	Keonjhar, Palaspanga		
431	Budhipadar	04.06.20	16:41	17:22	0:41	132 KV Budhipadar-Sundargarh Ckt-I	At Budhipadar End D/P operated inZone-I, FL= L2-E, F.D=5.7Kms, IL2=6.46KA	Sundargarh	0:03			0.0009736	Sundargarh		
				16:44	0:03	132 KV Budhipadar-Sundargarh Ckt-II	At Budhipadar End D/P operated inZone-I, FL= Bphase-G, F.D=4.61Kms, Ib= 6.563KA								
432	Rajgangpur	04.06.20	17:04	17:14	0:10	132 kV Rajgangpur- Kuchinda Fdr.	AGT, IA=1663A, IG=1733A, Z1, 46.39km	Bamra TSS	0:10			0.0009451			
433	Budhipadar	04.06.20	17:04	18:25	1:21	132 KV Kalunga- Budhipadar Fdr.	DP R Phase, E/F, Zone 3, 142.1 km, Ir-624.2 A, Iy-104.7 A, Ib-106.4 A  Backup Relay- R Phase, E/F, Ir- 83.96 A, Iy-409.4 A, Ib-99.43 A, In-494.3 A								
				17:04	18:25	1:21	132 KV Budhipadar-Sundargarh Ckt-II								
				#####	18:38:00	0:19	132 kV Rajgangpur- Budhipadar Fdr.								
				#####	18:38:00	0:19	Rajgangpur end:AGT,IA=1555A,IG= 1684A, Z1,LOC=41.99km. Budhipadar end: AGT, IA=1113.08A, 38.532km, Z1.								

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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	
434	Kesinga	05.06.20	0:06	0:09	0:03	132kV VAL(Lanjigarh)- Kesing Fdr.	At Kesinga end: O/C, B Phase.	Powmex, Kesinga, Kesinga Trac., Bhawanipatna, Junagarh.	0:03			0.0029257	Kesinga, Bhawanipatna, Junagarh.	
435	Bidanasi	05.06.20	5:45	9:50	5:17	220KV Bidanasi-Mendhasala Ckt-II	Bidanasi End : Main-1 - B-pahae to Ground, Distance-11.17km, Z1 , Ib- 5.4kAmp. [Jumper snapped at Loc. No-69. ]	Cuttack, Phulnakhara Jagatsinghpur, Goreknath Trac.	0:05			0.008521	Cuttack, Phulnakhara Jagatsinghpur,	
436	Barpali	05.06.20	10:57	12:35	1:38	132kV Bolangir(New)- Barpali Fdr.	Tripped.	Barpali, RTSS Dunguripali	0:02			0.0008819	Barpali,	
437	Sonepur	05.06.20	11:08 12:02 12:32 12:40	11:36 12:13 12:34 12:44	0:28 0:11 0:02 0:04	132 kV Balangir-Sonepur line	At Bolangir-Tripped	Sonepur, Boudh	0:45			0.024974	Sonepur, Boudh	
438	Palaspanga	05.06.20	11:51	11:52	0:01	132kV RTSS Keonjhar Feeder	O/C	RTSS Keonjhar	0:01			0.0001088		
439	Kesinga	05.06.20	12:02	12:04	0:02	132kV VAL(Lanjigarh)- Kesing Fdr.	At Kesinga end: O/C, B Phase.	Powmex, Kesinga, Kesinga Trac., Bhawanipatna, Junagarh, Khariar, Knantabanji, Kantabanji Trac., Nuapada, Nuapada Trac., Saitala.	0:02			0.0033076	, Kesinga, Bhawanipatna, Junagarh, Khariar, Knantabanji, Nuapada, .	
440	Mania	05.06.20	14:02	14:10	0:08	132kV ICCL - Mania Fdr	Tripped at ICCL end.	Mania, OCL, Salipur	0:08			0.0040267	Salipur	
441	Rajgangpur	06.06.20	1:05	1:12	0:07	132 kV Rajgangpur- Kuchinda Fdr.	BGT,IB=1150A,IG=976A, LOC= 82.76KM,ZONE-2	Bamra TSS	0:07			0.0006616		
442	Palaspanga	06.06.20	3:22 7:32	3:23 7:33	0:01 0:01	132kV RTSS Keonjhar Feeder	O/C	RTSS Keonjhar	0:02			0.0002176		
443	Khurda	06.06.20	10:20	10:38	0:18	132kV Khurda-Chandaka Fdr	DP Relay 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		
444	Choudwar	06.06.20	12:47	13:08	0:21	132 KV Bidanashi-Choudwar	Master trip at Bidanasi end								
445	Bhanjanagar	06.06.20	13:24	13:35	0:11	220KV Bhanjanagar - Nayagarh	B PH TO E/F, Z-1,D=33.7 KM								
			13:45	19:27	5:42	Fdr.									
446	Kendrapara	06.06.20	13:31	13:45	0:14	132KV Kendrapara-Paradeep	DP Relay,Dist.-2.04km	Kendrapara, Pattamundai, Olaver,Chandbali	0:11		0.0107327	Kendrapara, Pattamundai, Olaver, Chandbali			
			14:06	16:09	2:03	Ckt.-II	DP Relay, Dist.- 4.02km								
			13:31	13:36	0:05	132KV Kendrapara - Marshaghai	B/U,E/F, M/R.								
			14:06	14:12	0:06	Ckt.-I									
447	Barbil	06.06.20	17:11	17:30	0:19	132 KV Barbil - Bolani-Beekay Steel fdr	At Rourkela end:-DP, Z1, 35.88km, C Phase-G IA=153A, IB=293A, IC=2434A, IG=1994A. At Beekay steel end:-DP, Z1, 28.31km, IA=192.8A, IB=298.9A, IC=347.9A.	Barbil, Bolani, Arya Steel, Nalda Traction, BRPL	0:19			0.0102689	Barbil,		
448	Budhipadar	07.06.20	15:25	15:52	0:27:00	132 KV Kalunga- Budhipadar Fdr.	DP, R Phase, E/F, Zone 3, 142.1 km, Ir-797.6 A, Iy-81.64 A, Ib-120.4 A Backup Relay- R Phase, E/F, Ir- 793.6 A, Iy-82.09 A, Ib-121.4 A, In-870.8 A								
			15:28	15:53	0:25	132 kV Rajgangpur- Budhipadar Fdr.	Rajgangpur end: AGT, IA=1131A, IG=1193A, 46.60km, Z1. Budhipadar end: AGT, IA=2.065kA, 33.02km, Z1.								
449	Bhadrak	07.06.20	15:40	17:31	1:51	132 kV Bhadrak-Jajpur Town feeder	DP, B-E, O/C, 1.59 k.m, 7.09 kA								
450	Balasore	07.06.20	16:05	16:59	0:48	220KV Balasore-New Duburi feeder	At Balasore end: DP, Z1, R Phase, L1-N, 65.978Km, 2118.48A At New Duburi end: DP, Z1, R-Phase, 62.20km, 2.90kA								
451	Rengali	07.06.20	19:00	19:28	0:28	220kV Rengali-Rengali(PG) Ckt.-II	Pilot wire protection relay operated	Chandiposh TSS	15:09			0.045814			
			19:00	08.06.20	10:09	220 kV Tarkera Rengali Ckt	DP Relay, Zone I, 68.85 Km , L3-N , IL3-2.08 kA , In-1.92 kA. Rengali end: DP Relay, Fault= ABS, 242.65 km, L2-L3, IL2=50.77 A, IL3=2982.75A, IN=3170.38A. B/U Relay, IA=61.6, IB=4526.1A, IC=4278.1A, IN=1070.07A, IG=2251.91A.								
452	Mania	08.06.20	5:50	5:57	0:07	132/33KV Transformer I	B Phase, E/F	Mania	0:07			0.000097	Mania		
				5:58	0:08	132/33KV Transformer II	B Phase, 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	
453	Therubali	08.06.20	12:02	15:56	3:54	220KV Therubali-Laxmipur Ckt-2	BCT, Zone-1, 0.56 km at Therubali end. BCT, Zone-1, 59 km at Laxmipur end.							
454	Joda	08.06.20	13:13	13:26	0:13	220 kV TPPS-Joda Ckt.-II	DP, ZI, 3 fault, 1.6 KA, 71.89 k.m.							
455	Dhenkanal	08.06.20	13:44	14:12	0:28	132KV Dhenkanal-ICCL fdr	DP relay:L2_N, Ib=2.6kA, Z-1, 24.5KM							
456	Budhipadar	08.06.20	13:51	15:12	1:19	220 KV Budhipadar-Korba Ckt-II	Budhipadar End:D/P,Zone-I,FL=L3-E,IL3=1.28 KA & Dist=121.0Km(66.8%) / Korba End:D/P,Zone-I,FL=L3-E,Dist=43.7 KM & IL3=3.062 KA							
457	Tarkera	08.06.20	14:16	14:36	0:20	132 kV Tarkera Rourkela ckt I	Backup Relay: O/C-Y Phase & E/F.	Rourkela Rourkela Tr.	0:20			0.0157883		
			14:16	14:37	0:21	132 kV Tarkera Rourkela ckt II								
			14:16	14:23	1:40	100 MVA Auto Transformer I								
			14:16	14:25	0:09	100 MVA Auto Transformer III								
			14:16	14:29	0:13	100 MVA Auto Transformer IV								
458	Paradeep	08.06.20	14:24	21:41	7:17	220kV N.Duburi-Paradeep Ckt-II	C-G, DP, 73.1 km [B-PH SUSPENSION INSULATOR SNAPPED AT LOC-109]							
459	Budhipadar	08.06.20	14:40	15:43	1:03	220 KV Budhipadar-IBTPS Ckt-I	Budhipadar End:D/P,Zone-II,FL=L1-E, IL1=4.061 KA,Dist=30.193Km(119.34%) IBTPS End:D/P,Zone-I,FL=L1-E,Dist=2.3 KM							
			14:40	15:44	1:04	220 KV Budhipadar-IBTPS Ckt-II	Budhipadar End:D/P,Zone-II,FL=L1-E, IL1=4.159 KA,Dist=29.830Km(117.90%) IBTPS End:D/P,Zone-I,FL=L1-E,Dist=2.2 KM							
			14:40	15:31	0:51	220 KV Budhipadar-IBTPS Ckt-III	Tripped at at Budhipadar end. Master Trip Relay							

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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		
460	Choudwar	08.06.20	14:46	15:07	0:21	132KV Bidanashi-Choudwar	At choudwar end: O/C R,Y, B. At Bidanasi end: O/C R & B-phase to ground fault with M/R. Fault distance-10.4 Km, Ir-4.56KAmp, Ib-5.1 Kamp	Choudwar Choudwar Tr. TS Alloy Arati	00:13			0.0164324	Choudwar Choudwar Tr. TS Alloy Arati		
			14:53	15:10	0:17	132KV Choudwar-T.S Alloys fdr	O/C R,B at choudwar end ,E/F at T.S Alloys		00:17						
			14:53	15:12	0:19	132KV Choudwar-Iccl fdr	Master trip at choudwar		00:07						
			14:53	15:18	0:25	132KV T.S-Allays-Arati fdr	DP relay tripped at Arati end								
			14:58	15:05	0:07	132KV Nuapatna-Arati feeder	E/F								
461	Nuapatna	08.06.20	15:17	15:45	0:28	132kV Khajuriakata - Nuapatna	B-G Fault, Zone- I, Dist- 45.7Kms, If=1.49KA					0.004324			
			15:21	15:43	0:22	132KV Nuapatna-Khajuriakata-Denkanhal 'T' line	Y phase O/C								
462	Kamakhyanagar	08.06.20	13:34	13:52	0:18	132 KV OPCL-Kamakhyanagar	DP, M/T- 86, 3 phase [Heavy thunder and rain]	Kamakhyanagar	0:18			0.004324	Kamakhyanagar		
				17:53	3:19	132 KV Kamakhyanagar - Duburi	Auto Trip								
463	Mania	08.06.20	14:58	15:15	0:17	132kV ICCL - Mania Fdr	Tripped at ICCL end.	Mania, OCL, Salipur	0:17			0.0025167	Mania, OCL, Salipur		
464	Budhipadar	09.06.20	3:39	4:01	0:21	220 KV Budhipadar-Basundhara Ckt-II	D/P, Zone-I,FL=L3-E,Dist=20.7 Km (57.8%)								
465	Rengali	09.06.20	16:33	16:40	0:07	220kV Rengali - Rengali P.H. Ckt.-II	B/U Relay, IA=282.3A, IB=5.1A, IC=3.8A, IN=135.65A, IG=288.35A					0.004324			
			16:40	18:04	1:24		B/U Relay, IA=576.7A, IB=3.1A, IC=3.0A, IN=273.72A, IG=572.33A								
466	Budhipadar	09.06.20	18:47	11.06.20	#####	220 KV Budhipadar-Korba Ckt-II	Budhipadar End: D/P,Zone- I,FL=L1-E,IL1=24.45 KA & Dist=-0.2 Km / Korba End: D/P,Zone-II,FL=L1-E,Dist=224.1 Km,IL1=941 Amp [Earth wire snapped in between Loc-5 & 6.So the feeder declared FAULTY]						0.004324		
			18:59	20:30	1:31	220 KV Budhipadar-Basundhara Ckt-II	D/P,Zone-I,FL=L2-E,Dist=1.7 Km, IL2=21.72 KA								

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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	
			19:07	12.06.20 21:41	#####	220 KV Budhipadar-Raigarh PG Fdr	Budhipadar End: D/P,Zone-I & II,FL=L3-E,IL1=17.23 KA,IL2=18.92 KA & IL3=16.71 KA,Dist=6.4 Km(7.7%) / Raigarh PG End: D/P,Zone-II,IL1=3.717 KA ,IL2=3.728 KA & IL3=4.144 KA,Dist=73.3 KM							
			19:18	19:47	0:29	220 KV Budhipadar-AAL Ckt-II	Budhipadar End: D/P,Zone-I ,FL=L1-E,IL1=16.64 KA,Dist=4.81 Km / AAL end: Inter tripping							
467	Paradeep	09.06.20	22.24	10.06.20 18:07	19:43	132kV Paradeep-Kendrapara Ckt II	AB-N, DP, 19.32km [R-Ph Conductor Snapped At Loc 250-251,Ryb-Ph Suspension Insulator Snapped At Loc 251]							
468	Palaspanga	09.06.20	10:34	10:39	0:05	132kv Joda-Polaspanga Feeder	O/C (R,Y,B PH), Ia=435.9A, Ib=495.2A, Ic=508.8A, In = 0.09A, Ig= 31.6A,	ESIL, Patnaik Steel, RTSS Keonjhar, Palaspanga	0:05			0.0031639	Keonjhar, Palaspanga	
469	Shamuka	09.06.20	16:26	18:24	1:58	132kV Atri-Argul Ckt-I	Source Failure	Shamuka	1:58			0.0304075	Shamuka	
470	Kendrapara	09.06.20	22:23	10.06.20 18:08	19:45	132KV Kendrapara-Paradeep Ckt-II	DP Relay, Dist.- 12.19km [Due to snapping of conductor.]	Kendrapara, Pattamundai, Olaver,Chandbali	0:06			0.0058542	Kendrapara, Pattamundai, Olaver, Chandbali	
			22:29	0:06		132KV Kendrapara - Marshaghai Ckt-I	B/U,E/F, M/R.							
471	Joda	10.06.20	8:15	10:46	2:31	220 kV Joda-Tata Steel feeder	Tripped							
472	Atri	10.06.20	11:50	13:21	1:31	220 kV Atri-Pandiabil Ckt.-II	Tripped on 86 B							
473	Bolangir (New)	10.06.20	16:52	17:23	0:31	220KV PGCIL-Bolangir (New) ckt	Tripped on distance protection at both end.							
			16:53	16:58	0:05	132kV Bolangir- Bolangir(New) Ckt-1	E/F							
474	Balasore	11.06.20	0:56	1:45	0:49	220KV Balasore- baripada(PG) Ckt-II	At Balasore end: DP, Z1, Y Ph.-N, 36.36Km, 2.568KA At Kuchei end: Main-I : Y-G, Z1, 35.43Km, 3.597kA , Main-II: Y-G, Z1, 3.605KA							

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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	
475	Therubali	11.06.20	8:53	9:05	0:12	220KV Therubali-Laxmipur Ckt-2	CGT, Zone-1, 13.48 km at Therubali end. B-ph-N, Zone-1, 40 km at Laxmipur end.							
476	Bolangir (New)	11.06.20	14:10	14:29	0:19	132KV Bolangir (New)-Bolangir ckt-II	Tripped on earth fault displayed on back up relay.							
477	Kesinga	11.06.20	14:24 15:08	14:26 15:13	0:02 0:05	132kV VAL(Lanjigarh)- Kesing Fdr.	At Kesinga end: O/C, B Phase.	Powmex, Kesinga,	0:07			0.0115767	Kesinga, , Bhawanipatna,	
478	Rengali	12.06.20	0:10	7:00	6:50	220kV Rengali-Rengali(PG) Ckt.-II	Auto reclosure							
479	Bidanasi	12.06.20	7:40	3:50	4:44	220KV Bidanasi-Mendhasala Ckt-II	Tripped on O/C Y-phase to ground fault with fault distance-19.04 Km & Iy-1.44 KAmp.[Jumper snapped at Loc. No-50.]	Bidanasi, Cuttack, Phulnakhara	0:04			0.0078502	Bidanasi, Cuttack, Phulnakhara	
480	Nuapatna	12.06.20	13:10	13/6/20 14:27	#####	132KV Nuapatna-Arati feeder	E/F, O/C at Y and B phase							
481	Joda	12.06.20	13:25	13:48	0:23	220 kV Joda-TTPS Ckt.-II	Joda end-R-E, 0.65 KA							
482	Mendhasal	12.06.20	18:32	23:16	4:44	220KV Mendhasal-Bidanasi Ckt.-II	Tripped by DP,IL2-9.28ka,d-11.8km,							
483	Saintala	12.06.20	14:30	14:39	0:09	132KV Bolangir(New)-Saintala Fdr.	132kV Kesinga Fdr tripped on E/F, B Phase and caused tripping of Bolangir Fdr simultaneously.	OFB Badmal, Khariar, Kantabanji, Trac., Nuapara, Nuapara Tr.	00:09 0:11			0.00740800	Khariar, Nuapara, Khariar, Kantabanji,	
484	Nuapada	12.06.20	15:51	16:06	0:15	132KV Saintala-Khariar Line	Tripped from Saintala: O/C, B Phase.	Khariar, Kantabanji, Kantabanji Trac., Nuapada, Nuapada Trac.	0:15			0.0097509	Khariar, Nuapara, Khariar, Kantabanji,	
485	Mania	12.06.20	18:31 18:40	18:36 18:57	0:05 0:17	132kV ICCL - Mania Fdr	Tripped at ICCL end.	Mania, OCL, Salipur	0:22			0.0110734	Mania, Salipur	

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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	
486	Rengali	13.06.20	0:39	1:50	1:11	220kV Rengali-Rengali(PG) Ckt-II	Master trip relay operated									
487	Budhipadar	13.06.20	5:11	6:11	1:00	220 KV Budhipadar-Basundhara Ckt-II	At Budhipadar End, D/P-I-Dist Trip, Relay Trip L1, Relay Trip L2, Relay Trip L3, Zone-II, FL = L2-E, FD= 36.3 Kms(101.5%), IL2= 4.23 KA									
488	Meramundai	13.06.20	12:45	13:52	1:07	220 kV Meramundai-TTPS Ckt-II	E/F, Y-N, 3.11 kA, at Meramundai end									
489	Nuapatna	13.06.20	14:29	15.06.20 10:50:00	#####	132KV Nuapatna-Arati feeder	B phase to ground.									
490	Tarkera	14.06.20	3:59	11:51	7:52	220 kV Tarkera Budhipadar Ckt I	DP Relay( Zone I, Distance-56.0 Kms , Loop- L2_N , IL2-1.98 KA )									
			3:59	11:52	7:53	220 kV Tarkera Budhipadar Ckt II	DP Relay( Zone I, Distance-72.30 Km, Loop- L3_L3, IL2-2.29 kA, IL3-3.38 kA)									
491	Budhipadar	14.06.20	4:05	5:27	1:22	220 KV Budhipadar-Korba Ckt-II	At Budhipadar End, D/P-I-Dist Trip, Relay Trip L1, Relay Trip L2, Relay Trip L3, Zone-I & II, FL = L2-E, FD= 204.4 Kms(112.9%), IL2= 1.25 KA. At Korba End:D/P,Zone-I,FL=L2-E,IL2=7.185 KA,F.D=18.91 Km									
492	Rajgangpur	14.06.20	5:40	6:45	1:05	132 kV Rajgangpur-Budhipadar Fdr.	AGT,IA=2445A,IG=2602A,LOC=2 2.36KM,ZONE-I [Heavy Lightening And Rainfall]									
493	Kalunga	14.06.20	6:16	8:06	1:50:00	132 KV Kalunga- Budhipadar Fdr.	DP,R Phase, E/F, Zone 1, 63.72 km, Ir-1.925 kA, Iy-51.11 A, Ib-217.7 A  Backup Relay- R Phase, E/F, Ir-1.912 kA, Iy-51.46 A, Ib-222.2 A,									
494	Kamakhyanagar	14.06.20	11:55	12:15	0:20	132 KV OPCL-Kamakhyanagar	O/C [Heavy Thunder & Lightning]	Kamakhyanagar	0:16			0.000961	Kamakhyanagar			
			12:11	0:16		132 KV Kamakhyanagar - Duburi	O/C									
495	Rengali	14.06.20	12:46	13:01	0:15	220kV Rengali-Rengali(PG) Ckt-II	Pilot wire protection relay 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					
496	Palaspanga	14.06.20	14:46	14:49	0:43	132kV RTSS Keonjhar Feeder	O/C (R PH), Ia=220.8A, Ib=137.7A, Ic=100.1A, Inm = 7.113A, Ind= 6.007A	RTSS Keonjhar	0:56				0.0060914					
			16:08	16:11	0:03		O/C (R PH), Ia=220.9A, Ib=193.6A, Ic=36.56A, Inm = 6.962A, Ind= 5.462A											
			18:06	18:09	0:03		O/C (R PH), Ia=220.4A, Ib=166.1A, Ic=60.29A, Inm = 7.074A, Ind= 5.951A											
			19:01	19:05	0:04		O/C (R PH), Ia=225.6A, Ib=180.1A, Ic=80.2A, Inm = 6.98A, Ind= 5.438A											
			19:43	19:46	0:03		O/C (R PH), Ia=222.4A, Ib=160.6A, Ic=70.76A, Inm = 6.84A, Ind= 7.23A											
497	Angul	14.06.20	20:07	20:23	0:16	132 KV Angul-MCL- I Fdr	O/C on R-phase. DP, 9.116 km, L2-N, 517 A											
498	Kalunga	14.06.20	20:56	22:09	1:15:00	132 KV Kalunga- Budhipadar Fdr.	DP, B Phase, E/F, Zone 3, 185.8 km, Ir-861.7 A, Iy-155.1 A, Ib-104.3 A Backup Relay-B Phase, E/F, Ir-853.3 A, Iy-156.5 A, Ib-103.3 A, In-828.2 A											
499	Mendhasal	15.06.20	0:29	12:51	12:22	220KV Mendhasal-Chandaka Ckt-I	Tripped by DP,IL2-2.89ka,d-20.4km,zone2 optd,d%-96%					0.0703318						
			0:30	0:53	0:23	132KV Chandaka-Ranasinghpur	DP Relay Operated	Ransinghpur, Kesura	0:23					Ransinghpur, Kesura				
			0:30	1:00	0:30	132KV Nimapara-Chandaka Feeder	DP Relay Z-1, Distance 93.02 KM, Ib- 1.97 KA Bph-E	Nimapara, Konark	0:30					Nimapara, Konark				
			0:31	0:47	0:16	220/132 kV Auto-I	Tripped	Chandaka, Bhubaneswar	0:09					Chandaka, Bhubaneswar				
				0:45	0:45	220/132 kV Auto-I												
				0:49	0:49	220/132 kV Auto-III												
				0:40	0:40	220/132 kV Auto-IV												

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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	
500	Budhipadar	15.06.20	0:42	2:12	1:30	220 KV Budhipadar-IBTPS Ckt-III	At Budhipadar End, D/P-I-Dist Trip, Relay Trip L1, Relay Trip L2, Relay Trip L3, Zone-2, FL = L1-E, FD= 5.3 Kms(20.9%), IL1= 16.25 KA, [Heavy lightening with rain at Budhipadar end.]							
			0:47	1:38	0:51	132 KV Budhipadar-MCL Ckt-I	At Budhipadar End : D/P-I-R,Y & B-Phase Trip,Zone-I,Dist.Trip,F.D=7.5528 Km(41.5%),FL=L2-L3 & IL2=9.24 KA & IL3=5.212 KA,							
			0:47	1:43	0:56	132 KV Budhipadar-MCL Ckt-II	At Budhipadar End : D/P-I-R,Y & B-Phase Trip,Zone-I,Dist.Trip,F.D=7.567 Km,FL=L2-L3-N & IL2=6.198 KA & IL3=5.876 KA							
			1:08	1:47	0:39	220 KV Budhipadar-Lapanga Ckt-II	At Budhipadar End : D/P-I-R,Y & B-Phase Trip,Zone-II,Dist.Trip,F.D=16.31 Km,FL=L1-L3-N & IL1=13.81 ,IL3=3.817 KA, At Lapanga End:D/P,Zone-I,FL=L1-E,FD=12.6 KM & IL1=10.93 KA							
			1:47	19:41	17:54	220 KV Budhipadar-Lapanga Ckt-II	At Lapanga End:D/P,Zone-I,FL=L1-E,FD=11.1 KM & IL1=14.69 KA [ R-Phase insulator string bursted at LOC-29,]							
			1:47	1:48	0:01	220 KV Budhipadar-Lapanga Ckt-I	Tripped only Budhipadar end with no relay indication.							
501	Khariar	15.06.20	9:30	9:33	0:03	132KV Saintala-Khariar Line	Tripped from Saintala	Khariar, Kantabanji, Kantabanji Trac., Nuapada, Nuapada Trac.	0:03			0.00195	Khariar, Kantabanji, Nuapada,	
502	Katapalli	15.06.20	10:46	16:57	6:11	220 kV Katapalli-Bolangir (PG) feeder								
503	Khajuriakata	15.06.20	12:28	15:13	2:45	132kV Meramundali-Khajuriakata Line	R-G Fault, Zone-I, Dist- 26.8 Kms, If=1.55KA							

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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	
504	Bhograi	15.06.20	14:49	18:33	3:43	132kV Baripada (PG)-Bhograi Fdr.	At Bhograi end: DP, Z1, R-B-Gnd, 38.7km ,IR=528.2 A, IB-74 A.	Jaleswar, Jaleswar Trac., Bhograi	0:28			0.0133539	Jaleswar, Bhograi	
				18:28	03:06	132KV Jaleswar -Baripada (PG) Fdr.	At Baripada(PG) end: DP, Y-B Phase, 29.63 Km , Z1 , Iy 2.69 kA , Ib 2.51 kA							
505	Aska New.	15.06.20	20:29	20:46	0:17	132kV Asks New - Aska Ckt-2	DP Relay Optd. With PSB [Jumper snapped at loc no -5 of 132kv Aska New -Aska Ckt-2]							
506	Rajgangpur	16.06.20	#####	6:49:00	0:06	132 kV Rajgangpur-Budhipadar Fdr.	Rajgangpur end: AGT, IA=1208A, IG=1230A, LOC=58.8km, Z1. Budhipadar end: E/F, R Phase, 22.6km, Z1, IR=3.56kA.							
507	Budhipadar	16.06.20	14:12	17.06.20 16:14	26:02	220 KV Budhipadar-IBTPS Ckt-IV	At Budhipadar End, D/P-Dist Trip, Relay Trip L1, Relay Trip L2, Relay Trip L3, Zone-2, FL = L3-E, FD= 5.1 Kms(20.0%), IL1= 16.85 KA, At IBTPS End : B-Phase (E/F) [Earth wire snapped in between Loc-20 & 24 & hanged in between Ckt-III & IV]							
508	Bargarh	16.06.20	14:06	17:34	0:28	132kV Bargarh- Katapali	E/F	Bargarh, ACC Cement.	0:28			9.074E-06	Bargarh,	
509	Palaspanga	17.06.20	19:52	19:55	0:03	132kV RTSS Keonjhar Feeder	O/C (R PH), Ia=219.3A, Ib=192.7A, Ic=33.22A, Inm = 6.948A, Ind= 5.346A	RTSS Keonjhar	0:03			0.0003263		
510	Palaspanga	18.06.20	15:04	15:06	0:02	132kV RTSS Keonjhar Feeder	O/C (R PH), Ia=220.2A, Ib=157.0A, Ic=70.75A, Inm=6.578,Ind=5.235	RTSS Keonjhar	0:02			0.0002176		
511	Tarkera	18.06.20	16:46	17:04	0:18	132 kV Tarkera Rourkela Ckt.-I	O/C R & B Phase							
512	Palaspanga	19.06.20	10:25	10:27	0:02	132kV RTSS Keonjhar Feeder	O/C (R PH), Ia=219.9A, Ib=143.5A, Ic=67.71A, Inm = 6.6A, Ind= 5.75A	RTSS Keonjhar	0:07			0.0007614		

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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	
513	Khurda	19.06.20	12:19	14:04	1:45	132kV Khurda-Chandaka Fdr	DP Relay Operated							
514	Jaleswar	19.06.20	15:12	18:16	3:06	132kV Jaleswar - Baripada (PG) Fdr.	At Jaleswar end: DP, Y Phase-E , 53.0 Km , Z1 , 765.6A.  At Baripada (PG) end: Y Phase-E, 7.75 Km , Z1 , 5.43 kA.							
515	Choudwar	20.06.20	6:05	6:23	0:18	132KV Choudwar-Bidanashi fdr	At Choudwar end: O/C Rph (Dp relay, z1,Y ph) At Bidanasi end: Z1, R-phase to Ground, Ir-4.55KAmp, 12.5km.							
516	Palaspanga	20.06.20	9:44	10:11	0:25	132KV MSP feeder	O/C	MSP	0:25				0.0044192	
517	Bangiriposi	20.06.20	12:39	13:54	1:15	132kV Baripada (PG)-Bangiriposi Fdr.	At Baripada (PG) end:- DP, E/F, Z2, R-E, 17.33km, 1.02kA.	Bangiriposi, Raigarh, Karanji, Dhenikote.	1:15				0.0453541	Bangiriposi, Raigarh, Karanji, Dhenikote.
518	Bolangir (New)	20.06.20	14:41	14:57	0:16	132KV Bolangir (New)-Bolangir ckt-II	Tripped on earth fault displayed on back up relay.	RTSS Keonjhar	0:04				0.0004351	
			19:18	19:26	0:08									
519	Palaspanga	20.06.20	18:21	18:23	0:02	132kV RTSS Keonjhar Feeder	O/C (R PH), Ia=220.1A, Ib=167.2A, Ic=58.87A, Inm = 7.006A, Ind= 5.805A  O/C (R PH), Ia=219.6A, Ib=188.7A, Ic=35.27A, Inm = 7.132A, Ind= 6.021A	RTSS Keonjhar	0:04				0.0004351	
			23:09	23:11	0:02									
520	Kendrapara	21.06.20	6:00	6:14	0:14	132KV Kendrapara-Chandikhol Ckt.-I	B/U,E/F, M/R.	Chandikhole	0:14				0.006816	Chandikhole
521	Bhadrak	21.06.20	8:24	22.06.20 16:34	#####	132 kV Bhadrak-DPCL Ckt.-II	E/F, ZI, 1.115 k.m, Y-B-E, ly=6.81 kA, lb=6.790 kA							

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										MW rescheduled or estimated capacity 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	
522	Jajpur Road	21.06.20	11:24	22:20	10:56	132KV Jajpur Road- Chandikhol feeder	DP RELAY OPERATED, Ir=342.5A, Iy=2.627KA, Ib=174.7A, Zone-2, Distance=29.58KM, VRN =79.98KV, VYN =53.49KV, VBN =80.67KV, FR=794.3mΩ							
			13:04	14:31	1:27	132 KV Jajpur Road - Kendrapada feeder	DP RELAY OPERATED, Ir=15.89A, Iy=16.83A, Ib=1.638KA, Zone-2, Distance=51.98KM, VRN =80.15KV, VYN =81.10KV, VBN =63.40KV, FR=1.539Ω							
523	Therubali	21.06.20	12:48	18:28	5:40	220KV Therubali-Kashipur Ckt-4	AGT, Z-2, 63.02 km at Therubali end. R-ph-N at kashipur end.							
524	Palaspanga	21.06.20	12:46	12:48	0:28	132kV RTSS Keonjhar Feeder	O/C (R PH), Ia=220.3A, Ib=143.4A, Ic=31.66A, Inm = 7.332A, Ind= 6.043A	RTSS Keonjhar	0:28				0.0030457	
525	Kendrapara	22.06.20	5:45	05:56	0:11	132KV Kendrapara-Paradeep Ckt.-II	B/U,E/F, M/R.	Kendrapara, Pattamundai, Olaver,Chandbali	0:11				0.0009757	Kendrapara, Pattamundai, Olaver, Chandbali
				6:12	0:27	132KV Kendrapara - Marshaghai Ckt.-I	DP Relay,Dist.-13.13km, Y-Ph.,Z1							
526	Palaspanga	22.06.20	9:34	9:36	0:02	132kV RTSS Keonjhar Feeder	O/C (R PH), Ia=220.8A, Ib=192.4A, Ic=34.65A, Inm = 6.819A, Ind= 5.729A	RTSS Keonjhar	0:04				0.0004351	
			16:48	16:50	0:02	132kV RTSS Keonjhar Feeder	O/C (R PH), Ia=231.5A, Ib=178A, Ic=61.02A, Inm = 7.018A, Ind= 6.258A							
527	Jayanagar	22.06.20	11:05	11:42	0:37	220 kV Jayanagar-Balimela feeder	Tripped at Balimela end							
528	Bangiriposi	23.06.20	8:51	10:10	1:19	132kV Baripada (PG)- Bangiriposi Fdr.	At Baripada (PG) end:- DP, E/F, Z2, R-E, 17.02km, 1.051kA.	Bangiriposi, Rairangpur, Karanjia, Dhenkikote.	1:19				0.047773	Bangiriposi, Rairangpur, Karanjia, Dhenkikote.
529	Bhanjanagar	23.06.20	11:15	12:03	0:48	220kV Bhanjanagar - Aska ckt-1	B PH TO E/F,Z-1,D=14.4KM							
530	Joda	23.06.20	11:41	12:56	1:15	220 kV Joda-TTPS Ckt.-I	Tripped from both ends	JODA, Bansapani Trac., FAP, JSPL, TATA St., TSL, Sharada Mines, Palaspanga	0:48				0.1288623	JODA, Palaspanga, , , Barbil,

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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	
				12:29	12:29	220 kV Joda-TTPS Ckt.-II	Tripped from Joda end	Talsipanga, ESIL, Traction, Barbil, Balani, Arya steel, BRPL.						
531	Therubali	23.06.20	13:04	13:18	0:14	220KV Therubali-Bhanjanagar Ckt-2	CN, Z-1, 5.03 km at Therubali end. B-ph E/F, Z-2, 150 km at Bhanjanagar end. At Therubali-B PH TO E/F,Z-2, D=150.5KM							
532	Therubali	23.06.20	14:04	14:12	0:08	220KV Therubali-Laxmipur Ckt-1	AN, Z-1, 26.27 km at Therubali end. R-N, Z-1, at Laxmipur end.							
533	Tarkera	23.06.20	19:09	19:49	0:40	132 kV Tarkera Chhend Ckt I	DP Relay ( Loop- A_G, Distance- 8.96 Kms , Ia-5.34 kA , In-4.84 kA)	Chhend, Nuagaon Trac., SGML	0:40			0.0364307	Chhend,	
534	Kamakhyanagar	24.06.20	3:34	03:55	0:21	132 KV Kamakhyanagar - Duburi	O/C, M/T- 86	Kamakhyanagar	0:21			0.0050451	Kamakhyanagar	
				03:56	0:22	132 KV OPCL-Kamakhyanagar	O/C, M/T- 86							
535	Bargarh	24.06.20	10:56	11:01	0:05	132 KV Katapali-Bargarh Fdr.	E/F	Bargarh, ACC Cement	0:05			0.0044177	Bargarh,	
536	Kesinga	24.06.20	20:33	20:35	0:02	132kV VAL(Lanjigarh)- Kesinga Fdr.	At Kesinga end: O/C, B Phase.	Powmex, Kesinga, Kesinga Trac., Bhawanipatna, Junagarh.	0:30			0.0292565	Kesinga, , Bhawanipatna, Junagarh.	
			21:28	21:30	0:02									
			23:27	23:53	0:26									
537	Choudwar	24.06.20	9:20	9:28	0:08	132KV Dhenkanal-Iccl fdr	E/F at Dhenkanal and Iccl end							
538	Tarkera	24.06.20	13:30	14:08	0:38	132 kV Tarkera Rajgangpur Ckt I	DP Relay ( Loop- B_G, Distance- 19.0 Kms , Ib-2.38 kA , In-2.28 kA)							
539	Jayanagar	24.06.20	16:45	17:51	1:06	132 kV Jayanagar-Sunabeda feeder	R-Y, 8 kA							

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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		
540	Kesinga	25.06.20	0:33	0:34	0:01	132kV VAL(Lanjigarh)- Kesinga Fdr.	At Kesinga end: O/C, B Phase.	Powmex, Kesinga, Kesinga Trac., Bhawanipatna, Junagarh.	0:01			0.0009752	, Kesinga, Bhawanipatna, Junagarh.		
541	Duburi	25.06.20	3:31	13:53	10:22	132 kV Duburi-TTPS Ckt.-II	Tripped at both end. At Duburi end: Z1, R-E, 76.72 k.m, 6.95 kA								
542	Palaspanga	25.06.20	8:06	8:08	0:02	132kV RTSS Keonjhar Feeder	O/C (R PH), Ia=221.9A, Ib=159.9A, Ic=68.83A, Inm = 6.924A, Ind= 5.734A	RTSS Keonjhar	0:02			0.0002176			
543	Budhipadar	26.06.20	8:41	15:03	6:22	220 KV Budhipadar-IBTPS Ckt-III	At Budhipadar End, D/P-I-Dist Trip, Relay Trip L1, Relay Trip L2, Relay Trip L3, Zone-2, FL = L3-E, FD= 3.3 Kms(13.0%), IL3= 11.04 KA, At IBTPS End : B-Phase (E/F),D/P,Zone-II								
544	Budhipadar	26.06.20	13:40	17:27	3:47	220KV Budhipadar -Korba CKT No-III	At Budhipadar End, D/P-I-3-Ph Trip and 1Ph Trip FL = L2-E, FD=0.75 Kms(0.41%), IL2= 30.204 KA, , D/P-II( MiCOM- P444) Y-Ph Trip Zone-I At Korba- Tripped at 14:41 hrs								
545	Khajuriakata	26.06.20	17:05	17:12	0:07	132kV Khajuriakata - Nuapatana	Tripped in Back-Up Relay (E/F), R-G Fault.								
			17:05	18:37	1:32	132KV Dhenkanal-ICCL fdr	DP relay:L2_N, Ia=1.719kA,Z-1, 41KM								
546	Therubali	27.06.20	0:17	0:24	0:07	132 KV Kesinga Feeder	At Therubali end-Tripped.	Muniguda, VaL(Lanjigarh), Powmex, Kesinga, Kesinga Trac., Bhawanipatna, Junagarh.	0:07			0.0071571	Kesinga, Bhawanipatna, Junagarh.		

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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	
547	Kalunga	27.06.20	6:27	6:52	0:25:00	132 KV Kalunga- Budhipadar Fdr.	DP, R Phase, E/F, Zone 1, 60.95 km, Ir-2.16 KA, Iy-79.46 A, Ib-157.0 A. Backup Relay- R Phase, E/F, Ir-2.198 kA, Iy-77.74 A, Ib-158.1 A, In-2.290 kA							
548	Bhanjanagar	27.06.20	13:55	14:18	0:23	220kV Bhanjanagar - Aska ckt-2	Tripped							
549	Bhanjanagar	27.06.20	15:14	15:57	0:43	220kV Bhanjanagar - Aska ckt-2	B PH TO E/F,Z-1,D=19.48KM							
550	Rairakhol	27.06.20	8:50	9:01	0:11	132 kV Rairakhol-Boinda Fdr.	Tripped at Boinda end.	Rairakhol, Traction.	0:11			0.002817	Rairakhol, .	
551	Bhanjanagar	27.06.20	13:55	15:10	1:15	220kV Bhanjanagar - Aska ckt-1	B PH TO E/F,Z-1,D=1.2KM	Aska New, Aska	0:23			0.0169232	Aska New, Aska	
552	Tarkera	27.06.20	17:04	18:37	1:33	220 kV Tarkera Bonai Ckt	DP Relay( Distance-45.36 Kms , Loop- L3_N , II3-5.93 kA , In-5.92 kA)	Bonai	0:10			0.0013896	Bonai	
			17:04	17:14	0:10	220 kV Barkote-Bonai feeder								
553	Kesinga	27.06.20	19:27	19:30	0:03	132kV VAI(Lanjigarh)- Kesing Fdr.	At Kesinga end: O/C, B Phase.	Powmex, Kesinga, Kesinga Trac., Bhawanipatna, Junagarh.	0:03			0.0029257	, Kesinga, , Bhawanipatna, Junagarh.	
554	Bolangir (New)	28.06.20	4:43	11:26	6:43	160MVA Auto-III	Tripped on trip coil unhealthy observed on fascia.							
555	Balasore	28.06.20	8:44	8:53	0:09	132KV Balasore-Somanathpur Fdr	At Balasore end: ABB REX: Trip L1, L2, L3.[All 3 nos of LA failed in 33KV HIL fdr at Somanathpur end]	IMAMI, Stork, Somanathpur	0:09			0.0009356	Somanathpur	
556	Khurda	28.06.20	13:36	14:29	0:53	132kV Khurda-Chandaka Fdr	DP Relay Operated							
557	Paradeep	28.06.20	15:06	15:10	0:04	132KV Paradeep-Tirtol Fdr.	C-G, E/F, 1.9km	Tirtol, Jagatsinhpur, Goreknath Trac.	0:04			0.0031137	Tirtol, Jagatsinhpur,	

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	
558	Kalunga	28.06.20	18:03	19:20	1:17:00	132 KV Kalunga- Budhipadar Fdr.	DP Relay- R Phase, E/F, Zone 3, 141.9 km, Ir-1.040 kA, Iy-56.30 A, Ib-81.35 A Backup Relay- R Phase, E/F, Ir-1.047 kA, Iy-55.80 A, Ib-82.26 A, In-1.088 kA							
559	Kalunga	28.06.20	19:21	19:57	0:36:00	132 KV Kalunga- Budhipadar Fdr.	DP Relay- R Phase, E/F, Zone 1, 27.26 km, Ir-3.596 kA, Iy-72.88 A, Ib-249.0 A Backup Relay- R Phase, E/F, Ir-3.248 kA, Iy-91.93 A, Ib-212.7 A, In-3.440 kA							
560	Therubali	29.06.20	10:41	10:51	0:10	220KV Therubali-Narendrapur Ckt-1	AGT,Z-1,134.5 KM at Therubali end. R-N, Z-1, 60.35 KM at Narendrapur end.							
561	Paradeep	29.6.20	11:46	12:47	1:01	132kV Paradeep-PPL Ckt. I	O/C, R-Phase.							
562	Balasore	29.06.20	11:55	30.06.20 17.52	#####	220KV Balasore-PGCIL Ckt-II	At Balasore end: DP, Z1, R-N, 49.71Km, 2.625kA. At Kuchei end: Main-I : Y-G, Z-I, 19.81Km, 6.885kA. [At Loc no-80 (OB), Y-Ph conductor snapped, bending the cross arm at Loc no-81 (OA+3).]							
563	Bhanjanagar	29.06.20	14:38	15:10	0:32	132 kV Bhanjanagar - Aska Ckt-1	BGT,Z-1, D:8.63 KM							
			14:38	15:11	0:33	132 kV Bhanjanagar - Aska Ckt-2	ABC TRIP,Z-1, D:20.17 KM							
564	Bangiriposi	29.06.20	11:43	15:17	3:34	132kV Baripada (PG)- Bangiriposi Fdr.	At Baripada (PG) end: DP, Z1, Y-B Phase, 3.828km, Iy=5.74kA, Ib=5.442kA.	Karanjia, Dhenikote, Rairangpur, Bangiriposi,	0:32 0:38 0:41			0.022571	Karanjia, Dhenikote, Rairangpur, Bangiriposi,	

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		
565	Nuapada	29.06.20	11:57	12:02	0:05	132kV Khariar-Nuapada Line	Tripped at Saintala end: Due to Circuit Overloading	Khariar, Kantabanji, Kantabanji Trac., Nuapada, Nuapada Trac.	0:05			0.0007419	Khariar, Kantabanji, Nuapada,		
566	Chandaka	29.06.20	13:21	13:27	0:06	132KV Chandaka-Ranasinghpur	P/S failed from Chandaka Grid end	Ransinghpur, Kesura	0:06			0.0112381	Ransinghpur, Kesura		
			13:21	13:26	0:05	132KV Nimapara-Chandaka Feeder	DP Relay Z-1, Distance 12.53KM, Ib- 4.077 KA C-N	Nimapara, Konark	0:05				Nimapara, Konark		
567	Nuapada	29.06.20	13:27	13:31	0:04	132kV Khariar-Nuapada Line	Tripped at Saintala end: Due to Over Current B-Ph Fault	Khariar, Kantabanji,	0:14			0.0025966	Khariar, Kantabanji,		
568	Kamakhyanagar	29.06.20	17:18	17:34	0:16		Tripped at OPCL end	Kamakhyanagar	0:16			0.0038439	Kamakhyanagar		
569	Ranasinghpur	30.06.20	9:03	9:21	0:18	132KV Chandaka-Ranasinghpur	DP Relay Operated	Ransinghpur, Kesura	0:18			0.0232884	Ransinghpur, Kesura		
570	Nimapara	30.06.20	9:03	9:21	0:18	132KV Nimapara-Chandaka Feeder	DP Relay Z-2, Distance 105.97KM, B-G-T	Nimapara, Konark	0:18			0.0125111	Nimapara, Konark		
571	Chandaka	30.06.20	9:04	9:15	0:11	Auto-I	Tripped	Chandaka, Bhubaneswar	0:09			0.0197225	Chandaka, Bhubaneswar		
				9:13	9:13	Auto-II									
				9:15	9:15	Auto-III									
				9:15	9:15	Auto-IV									
572	Palaspanga	30.06.20	11:05	11:07	0:02	132kV RTSS Keonjhar Feeder	O/C (R PH), Ia=220.7A, Ib=167.3A, Ic=60.99A, Inm = 7.221A, Ind= 5.807A	RTSS Keonjhar	0:02			0.0002176			
573	Mendhasal	30.06.20	9:03	13:09	4:06	220KV Mendhasal-Chandaka Ckt-I	Tripped by DP,IL1-1.95KA,IL2-2.35ka,IL3-2.71KA,d-20.3km,								

**Format - C1.1**

**OVERALL PERFORMANCE**

***Frequency Profile for the quarter (APRIL '20-JUNE'20)***

Month	Total Hours	Total duration(in HRs) of frequency ( > 50.05 Hz.)	Percentage of time [=(3/2) * 100]	Total duration(in HRs) of frequency (<49.9 Hz.)	Percentage of time [=(5/2) * 100]
1	2	3	4	5	6
APRIL	720	158.87	22.06	34.42	4.78
MAY	744	158.68	21.33	28.95	3.89
JUNE	720	148.60	20.64	29.80	4.14
Total	2184	466.15	21.34	93.17	4.27

## **OVERALL PERFORMANCE**

**Format - C1.2**

### ***Frequency Profile for the quarter (APRIL '20-JUNE'20)***

(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
JUNE	2.32	0.10	21.06.20 / 08:40 to 21.06.20 / 10:58		JUNE	0.70	0.03	08.06.20 / 19:11 to 08.06.20 / 19:52

**OVERALL PERFORMANCE**

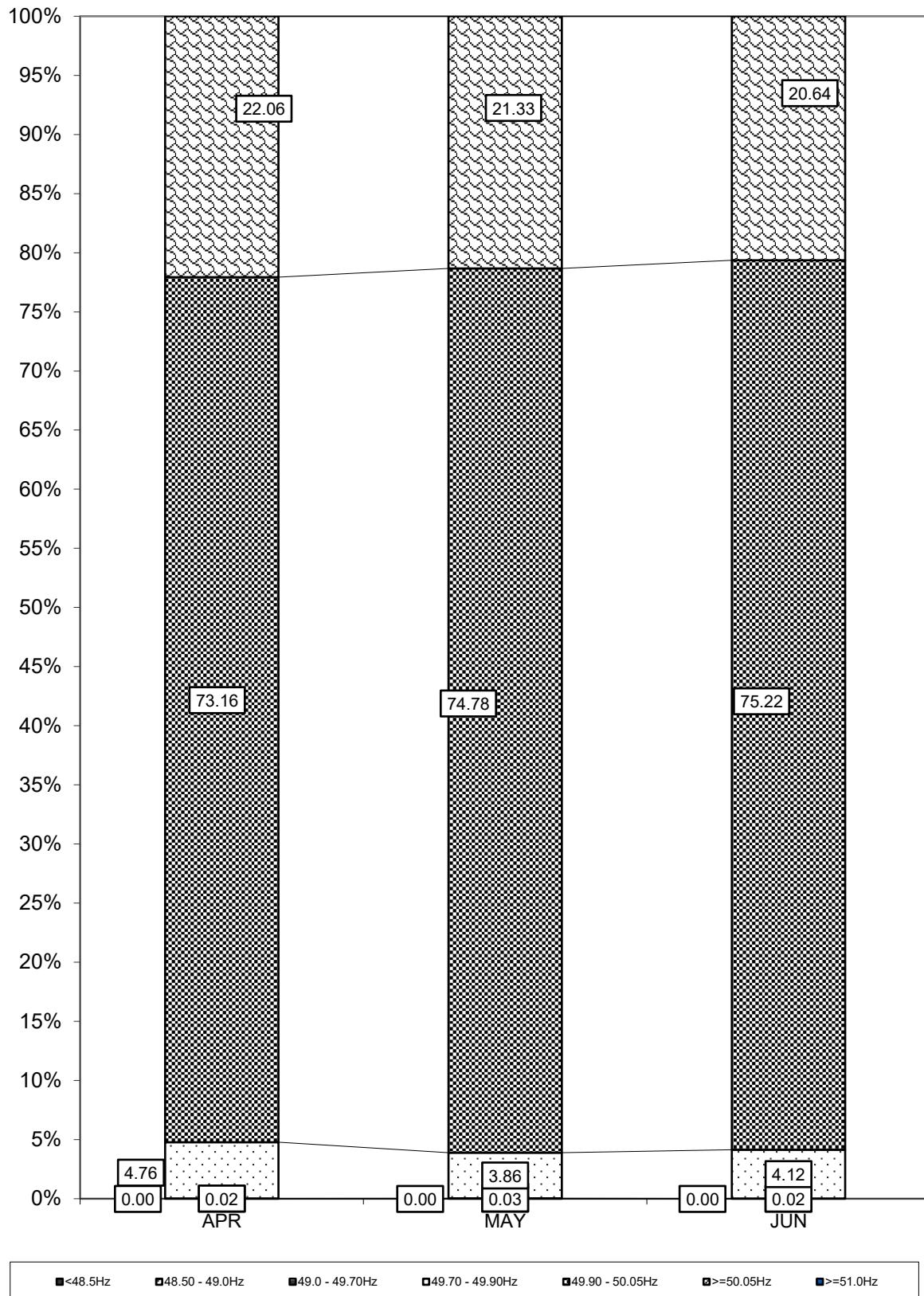
***Frequency Profile for the quarter (APRIL '20-JUNE'20)***

***Lowest / Highest frequency occurrence***

Highest frequency occurrence			Lowest frequency occurrence			Details of the event if there is islanding
Frequency in Hz	Date of occurrence	Time of occurrence	Frequency in Hz	Date of occurrence	Time of occurrence	
1	2	3	4	5	6	7
50.30	21.06.20	9:57	49.62	01.04.20	22:09	-

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## FREQUENCY PROFILE



#### 400KV VOLTAGE AT DIFFERENT GRID SUBSTATIONS

SUBSTATIONS	Apr-20						May-20						Jun-20												
	MAXIMUM			MINIMUM			AVERAGE			MAXIMUM			MINIMUM			AVERAGE			MAXIMUM			MINIMUM			AVERAGE
	KV	DATE	TIME	KV	DATE	TIME	KV	KV	DATE	TIME	KV	DATE	TIME	KV	KV	DATE	TIME	KV	KV	DATE	TIME	KV	KV	DATE	TIME
Duburi Old	428.3	24'	18:15	400.1	14'	22:45	414.4	431.5	20'	10:15	401.1	18'	22:45	414.7	422.3	28'	17:30	394.2	30'	20:15	410.6				
Lapanga	415.8	27'	9:00	407.1	05'	20:45	412.3	417.2	29'	4:00	385.7	01'	15:00	414.2	417.0	30'	4:30	411.1	09'	22:15	414.1				
Mendhasal	425.1	24'	18:15	403.2	13'	22:30	413.3	428.7	20'	10:15	399.8	18'	22:45	412.2	419.0	28'	18:00	394.5	05'	15:00	409.3				
Meramundai	424.2	25'	10:30	411.5	05'	20:30	417.8	431.0	08'	19:00	398.2	06'	19:30	419.8	423.2	21'	6:15	412.2	24'	22:45	417.9				

#### 220KV VOLTAGE AT DIFFERENT GRID SUBSTATIONS

SUBSTATIONS	Apr-20						May-20						Jun-20												
	MAXIMUM			MINIMUM			AVERAGE			MAXIMUM			MINIMUM			AVERAGE			MAXIMUM			MINIMUM			AVERAGE
	KV	DATE	TIME	KV	DATE	TIME	KV	KV	DATE	TIME	KV	DATE	TIME	KV	KV	DATE	TIME	KV	KV	DATE	TIME	KV	KV	DATE	TIME
AskaN	242.2	24	18:15	225.4	6	17:15	233.6	244.9	1	15:45	212.6	26	14:15	230.7	237.0	28	14:00	222.4	25	15:15	229.6				
Atri	240.7	24	18:15	224.9	6	22:30	231.5	240.1	20	10:15	218.6	18	22:45	228.2	232.5	28	18:00	216.3	5	15:30	225.5				
Balasore	241.7	21	21:15	214.1	14	22:45	226.6	239.0	20	6:45	216.1	18	22:45	227.0	234.7	2	18:00	211.8	29	21:45	223.6				
Balimela	244.2	3	5:00	232.0	6	17:15	239.7	244.6	20	5:30	233.1	27	18:45	238.9	246.1	3	15:15	233.4	2	9:15	239.2				
Barkote	233.6	23	10:30	227.3	5	20:30	230.5	234.3	1	16:15	227.9	24	23:00	230.7	232.4	3	18:00	224.7	25	15:30	228.5				
Bargarh	230.6	25	4:30	204.1	2	9:45	222.9	233.1	7	3:30	217.6	26	16:30	224.6	230.7	3	9:30	209.9	5	15:45	224.6				
Bhadrak	243.9	21	21:00	211.8	14	22:45	224.6	240.6	4	12:15	213.6	31	23:00	225.4	234.4	2	18:00	202.5	18	11:45	221.3				
Bhanjanagar	242.7	24	18:15	226.7	6	17:15	235.0	244.6	1	15:45	218.1	26	14:15	232.3	237.0	28	18:00	224.3	25	15:15	231.1				
Bidanasi	241.1	24	18:15	222.6	6	22:30	230.2	241.2	20	10:15	215.2	24	23:00	227.6	232.6	8	15:30	211.8	5	15:00	225.0				
BolangirN	232.8	25	4:15	194.9	2	9:45	224.3	236.5	7	3:30	215.6	22	16:45	225.5	232.1	22	5:15	204.0	5	15:30	226.0				
Budhipadar	232.1	27	3:30	215.1	29	11:30	229.0	232.8	7	5:15	227.5	27	15:45	230.3	232.1	21	5:00	225.1	12	10:45	229.7				
Chandaka	239.3	24	18:15	221.0	13	22:30	228.7	239.5	20	10:15	214.7	27	15:00	226.1	231.2	28	17:45	212.7	5	15:00	223.8				
Cuttack	240.3	24	18:15	219.2	29	23:45	229.0	240.1	20	10:15	213.6	24	23:00	226.4	231.5	1	14:30	205.0	3	12:15	221.8				
Duburi Old	234.9	22	4:30	224.5	30	22:45	230.4	237.7	20	10:15	219.8	31	23:00	227.7	233.2	2	18:00	218.1	6	22:45	225.3				
Duburi New	236.3	24	17:30	224.8	30	22:45	231.6	238.3	20	10:15	220.0	31	23:00	228.1	233.6	2	18:00	213.7	30	22:00	225.2				
Infocity-II GIS	232.1	24	18:15	214.3	6	22:45	221.4	231.8	20	10:15	208.3	18	22:45	218.7	228.8	28	14:45	206.2	5	15:15	217.6				
Jayanagar	242.9	24	17:45	231.4	6	17:15	238.7	242.8	20	5:30	230.3	27	15:15	237.3	245.0	3	15:30	232.4	10	12:45	237.5				
Joda	230.4	27	3:30	218.2	6	17:00	223.7	230.6	7	5:15	219.4	15	16:15	225.4	228.8	21	5:00	219.1	10	17:00	224.7				
Katapalli	230.4	27	3:15	218.2	6	17:00	223.7	230.6	7	5:15	219.3	15	16:15	225.3	228.8	21	5:00	219.1	10	17:00	224.7				
KeonjharGIS	224.5	23	17:30	215.7	5	19:45	220.4	224.9	1	15:30	215.6	14	22:30	220.9	222.9	1	17:45	214.4	10	22:30	218.8				
Lapanga	230.0	27	3:30	224.2	5	20:45	227.2	232.0	30	2:00	221.3	8	16:00	229.3	231.4	21	5:00	225.6	10	17:00	229.0				
Laxmipur	242.5	24	17:45	230.2	6	17:15	238.4	242.9	20	5:30	227.9	27	15:15	236.6	242.8	3	15:30	231.2	24	22:30	236.5				
Malkangiri	243.1	25	20:15	230.7	6	17:15	238.4	243.4	20	5:45	231.7	27	18:45	237.5	245.4	3	15:15	231.8	3	10:45	238.0				
Mendhasal	241.0	24	18:15	224.1	13	22:30	231.2	241.0	20	10:15	218.7	18	22:45	228.7	233.4	28	18:00	215.8	5	15:00	226.2				
Meramundai	231.6	25	10:30	223.1	5	20:30	226.3	231.6	20	10:15	223.2	24	23:00	227.2	232.0	21	13:15	223.6	6	22:45	227.9				
Narsinghpur	229.9	21	20:15	219.6	6	17:15	225.2	237.1	1	15:45	210.2	26	14:15	222.8	226.2	28	18:00	217.2	24	22:45	221.9				
Narendrapur	240.2	25	1:45	220.5	6	17:15	232.3	241.7	6	8:30	211.6	27	15:15	228.3	236.9	28	14:30	215.6	25	11:45	226.6				
Nayagarh	242.1	24	18:15	225.9	6	22:00	232.7	242.1	20	10:15	217.4	26	14:15	229.7	235.8	28	18:00	215.9	10	12:30	228.0				
Paradeep	238.9	24	16:45	205.5	15	12:30	221.4	242.5	20	10:15	209.7	18	22:30	223.2	233.8	2	18:15	202.2	30	22:00	218.1				
Tarkera	233.3	27	6:00	224.1	18	15:45	229.9	239.8	1	13:45	233.3	27	15:45	236.8	232.8	4	17:30	224.6	24	19:45	229.0				
Theruvali	239.7	21	16:30	224.6	6	17:15	234.3	239.5	20	5:30	218.5	27	15:15	231.8	238.3	28	14:30	223.7	24	22:45	231.7				
Rengali	230.5	9	3:15	225.7	5	20:30	228.24	230.9	1	16:00	225.6	27	15:00	228.2	229.5	3	18:00	224.3	9	14:00	227.0				

## 132KV VOLTAGE AT DIFFERENT GRID SUBSTATIONS

### CESU ZONE

SUBSTATIONS	Apr-20						May-20						Jun-20														
	MAXIMUM			MINIMUM			AVERAGE			MAXIMUM			MINIMUM			AVERAGE			MAXIMUM			MINIMUM			AVERAGE		
	KV	DATE	TIME	KV	DATE	TIME	KV			KV	DATE	TIME	KV			KV			KV	DATE	TIME	KV			KV		
Angul	142.9	24'	16:45	137.7	16'	22:45	139.9	142.72	01'	15:00	136.3	27'	14:45	139.1	141.10	03'	17:30	136.0	09'	23:30	138.3						
Argul	137.2	21'	19:45	126.9	06'	22:30	131.1	139.60	20'	5:45	122.5	23'	22:45	129.4	135.85	28'	18:00	123.1	05'	15:30	130.2						
Badagada	143.8	18'	20:00	125.2	13'	22:45	131.6	143.53	29'	4:00	117.5	23'	22:45	128.2	138.68	08'	15:30	115.6	02'	14:45	127.9						
Balugaon	143.1	08'	19:45	124.7	20'	23:00	132.1	140.75	20'	2:45	117.1	27'	16:00	128.0	137.06	28'	14:30	120.0	09'	15:15	126.9						
Banki	137.8	18'	20:00	128.1	06'	22:15	132.1	139.60	20'	5:45	123.5	23'	23:00	130.9	136.77	28'	18:00	125.2	05'	15:30	131.7						
Bhubaneswar	142.8	18'	20:00	130.1	13'	22:30	134.5	142.77	20'	6:30	123.5	23'	22:45	131.6	137.75	08'	15:30	121.0	05'	14:30	131.3						
Bidanasi	137.9	24'	18:15	125.5	13'	22:45	131.0	141.16	29'	4:15	121.5	18'	22:45	130.4	141.97	08'	15:30	125.5	05'	15:00	133.5						
Boinda	146.8	24'	16:45	127.5	15'	10:15	142.4	146.58	01'	15:00	128.9	26'	12:15	141.3	145.55	03'	17:30	128.4	05'	16:15	140.8						
Chainpal	145.5	22'	5:45	141.2	16'	22:45	143.2	145.26	01'	15:00	139.9	27'	15:00	142.5	143.53	03'	18:00	139.3	11'	22:45	141.5						
Chandaka	140.4	18'	20:00	128.2	13'	22:30	132.4	140.41	20'	5:45	121.9	23'	22:45	129.7	135.62	08'	15:30	119.7	05'	14:30	129.7						
Chandpur	140.9	08'	18:45	123.7	20'	23:00	131.3	140.75	20'	2:45	116.3	27'	16:00	127.3	136.77	28'	14:30	119.0	24'	22:45	126.2						
Choudwar	139.0	24'	18:00	125.6	13'	22:30	131.6	141.45	29'	4:00	121.6	18'	22:45	130.5	142.25	08'	15:15	124.4	05'	13:30	133.2						
Cuttack	140.8	24'	18:15	127.0	29'	23:30	132.9	140.41	29'	4:15	124.5	24'	23:00	131.3	137.35	08'	15:30	123.3	05'	14:30	131.9						
Dhenkanal	139.1	24'	17:45	113.9	16'	0:15	133.3	140.70	01'	16:00	127.6	15'	22:30	133.1	138.21	01'	14:00	127.5	05'	13:45	133.4						
Jagatsinghpur	141.5	09'	1:00	114.4	20'	22:30	126.5	141.85	29'	5:45	115.1	17'	23:00	126.9	139.02	28'	14:45	114.0	30'	22:00	126.5						
Kalarangi	147.7	24'	15:45	136.1	30'	22:45	140.9	144.22	20'	10:15	133.2	31'	23:00	137.4	140.35	02'	18:00	132.0	06'	22:45	136.1						
Kamakhyanagar	145.8	24'	15:45	135.7	30'	22:45	139.8	143.81	30'	2:45	131.9	10'	13:30	136.8	143.70	29'	17:30	131.8	06'	22:45	135.6						
Kendrapada	143.6	24'	16:45	118.1	14'	22:45	128.9	145.31	20'	2:15	117.7	18'	22:30	130.0	141.79	28'	15:00	118.1	30'	22:00	129.6						
Khajuriakata	140.6	24'	17:45	124.2	09'	14:00	135.8	141.56	01'	16:15	131.5	15'	22:30	135.7	139.20	28'	18:00	131.3	05'	15:30	135.7						
KhuntuniGIS	139.6	24'	17:45	122.6	09'	13:30	133.5	141.24	29'	4:00	125.0	15'	22:30	133.2	138.65	28'	18:00	124.6	05'	13:45	133.8						
Khurda	138.8	18'	20:00	128.3	06'	22:30	132.5	139.95	20'	5:45	123.5	26'	14:30	130.5	135.73	08'	15:30	124.0	05'	14:30	130.7						
Konark	143.5	18'	20:00	124.4	13'	22:30	130.5	142.95	20'	2:45	117.8	23'	22:45	127.7	134.81	08'	15:30	117.2	05'	14:30	126.7						
Mania	139.4	24'	18:00	121.5	09'	13:30	131.1	141.27	29'	4:45	120.0	18'	22:45	129.5	142.43	08'	15:15	120.5	05'	13:45	132.2						
Marshaghai	144.2	24'	16:45	118.7	14'	22:45	129.5	144.82	20'	0:45	118.5	30'	22:15	129.4	142.90	28'	15:00	118.7	30'	22:00	130.3						
Nimapara	141.7	18'	20:00	122.9	13'	22:30	128.9	141.10	20'	2:45	114.5	27'	16:00	126.3	133.83	08'	15:30	116.3	05'	14:30	125.7						
Nuapatana	138.3	24'	18:00	127.2	09'	13:30	132.4	139.89	20'	5:45	123.0	23'	22:45	131.5	137.46	28'	17:45	125.1	10'	12:45	132.2						
Olaver	144.4	24'	16:45	115.2	14'	22:45	127.5	146.07	20'	2:15	114.2	18'	22:30	128.4	142.21	28'	15:00	112.0	10'	13:30	127.4						
Paradeep	141.4	24'	16:45	120.3	15'	12:30	129.7	142.83	20'	2:15	121.2	18'	22:30	130.6	140.52	28'	15:00	121.0	30'	22:00	130.9						
Pattamundai	143.1	24'	16:45	115.7	14'	22:45	127.2	144.74	20'	2:15	115.1	18'	22:30	128.2	141.04	28'	15:00	114.4	10'	13:30	127.4						
Phulnakhara	141.5	24'	18:15	128.3	06'	22:30	133.1	140.52	30'	3:45	122.4	23'	22:45	131.0	138.04	08'	15:30	120.0	05'	14:30	131.6						
Puri	136.9	21'	19:45	121.3	13'	22:30	127.4	140.81	20'	6:00	115.6	23'	22:45	125.4	133.71	28'	18:00	116.2	12'	17:45	125.5						
Ranasinghpur	143.2	18'	20:00	126.1	13'	22:45	132.2	143.47	29'	4:00	118.8	23'	22:45	128.8	138.21	08'	15:30	116.9	05'	14:30	128.5						
Salipur	142.5	24'	18:15	119.4	09'	13:30	129.6	141.45	29'	4:30	117.5	18'	22:45	127.7	142.66	08'	15:15	117.1	05'	14:45	130.2						
Samangara	136.8	21'	19:45	121.2	13'	22:30	127.3	140.81	20'	6:00	115.6	23'	22:45	125.4	133.83	28'	18:00	117.5	05'	15:15	125.5						
Shamuka	137.2	21'	19:45	122.4	13'	22:30	128.2	140.81	20'	6:00	117.0	23'	22:45	126.3	134.17	28'	18:00	119.0	05'	14:30	126.6						
Tirtol	142.6	21'	21:15	117.1	20'	22:30	128.5	143.27	30'	5:30	117.8	18'	22:30	128.7	140.62	28'	15:00	117.0	30'	22:00	128.5						
Unit-8GIS	138.3	24'	18:15	128.9	20'	14:00	133.0	138.10	01'	15:45	126.9	27'	15:00	132.0	137.52	08'	15:15	127.2	24'	22:45	132.9						

### **132KV VOLTAGE AT DIFFERENT GRID SUBSTATIONS**

#### **NESCO ZONE**

SUBSTATIONS	Apr-20									May-20									Jun-20									
	MAXIMUM			MINIMUM			AVERAGE			MAXIMUM			MINIMUM			AVERAGE			MAXIMUM			MINIMUM			AVERAGE			
	KV	DATE	TIME	KV	DATE	TIME	KV	KV	DATE	TIME	KV	DATE	TIME	KV	KV	DATE	TIME	KV	KV	DATE	TIME	KV	KV	DATE	TIME	KV		
Agarpada	143.2	21'	21:00	121.8	20'	22:30	130.6	141.35	04'	12:15	124.0	31'	23:00	131.3	137.29	02'	18:00	119.4	29'	20:45	129.1							
Anandpur	143.1	21'	21:00	120.6	20'	22:30	136.0	142.95	20'	1:30	126.5	03'	21:45	135.7	141.33	02'	18:00	121.1	09'	23:15	134.5							
Balasore	142.4	21'	21:15	125.2	14'	22:00	132.8	141.10	20'	6:45	125.5	31'	23:00	132.9	140.35	28'	17:45	126.3	29'	21:45	133.2							
Bangiriposi	141.0	21'	21:15	126.6	14'	21:45	133.9	141.33	06'	5:45	126.3	18'	22:45	133.4	138.04	01'	17:00	124.1	24'	22:15	130.8							
Barbil	139.5	24'	13:00	131.1	05'	20:45	134.8	138.68	10'	17:45	126.6	27'	15:30	132.9	136.65	04'	17:00	125.9	06'	23:15	131.2							
Baripada	139.7	09'	1:00	127.2	14'	22:00	133.5	140.23	20'	7:15	127.9	18'	22:45	133.9	137.23	02'	18:00	126.6	09'	23:15	131.8							
Basta	142.7	21'	21:15	122.7	14'	22:00	131.5	141.50	20'	7:00	124.4	31'	23:00	132.4	140.47	28'	17:45	122.1	29'	21:45	132.4							
Betanati	143.7	21'	21:30	119.4	14'	22:00	130.1	144.82	20'	12:45	119.9	31'	23:00	130.1	141.17	28'	17:45	121.7	30'	22:00	130.1							
Bhadrak	142.4	21'	21:00	122.3	20'	22:30	130.3	140.64	04'	12:15	123.5	31'	23:00	130.9	136.54	02'	18:00	119.0	29'	20:30	128.6							
Bhograi	140.8	18'	18:00	122.3	13'	22:00	131.0	141.45	20'	7:15	125.4	18'	22:15	133.0	138.21	02'	17:45	120.4	24'	12:30	129.9							
Bolani	139.4	24'	12:45	130.8	16'	22:30	134.6	138.44	10'	17:30	126.8	27'	15:00	132.7	136.42	04'	17:00	125.3	06'	23:15	130.8							
ChandabaliGIS	141.5	09'	1:00	118.1	13'	22:00	128.0	140.43	06'	5:45	111.9	30'	22:15	127.1	140.20	28'	15:00	87.7	29'	23:30	123.7							
Chandikhol	144.2	24'	16:45	116.3	14'	22:45	128.0	145.95	20'	2:15	115.4	18'	22:30	131.0	141.91	02'	18:00	115.8	30'	22:00	129.1							
Dhenkikote	143.5	21'	21:15	122.1	14'	21:45	132.8	143.29	06'	4:45	119.3	26'	22:45	130.4	138.68	01'	17:00	116.0	24'	22:15	126.8							
DuburiO	139.1	18'	20:00	101.7	09'	7:45	135.7	140.06	20'	10:15	128.3	31'	23:00	133.4	137.17	02'	18:00	126.7	06'	22:45	131.8							
JaipurRoad	143.5	21'	20:15	135.6	30'	22:45	139.5	144.39	20'	10:15	131.2	31'	23:00	136.9	141.45	02'	18:00	129.7	06'	22:45	135.3							
JaipurTown	142.5	21'	21:00	118.5	20'	22:30	127.9	140.35	20'	2:00	119.6	31'	23:00	128.3	139.48	07'	17:30	115.3	29'	20:45	125.6							
Jaleswar	140.6	18'	17:45	122.6	13'	22:00	131.0	141.04	20'	7:15	126.1	18'	22:15	133.1	137.75	02'	18:00	122.5	29'	21:45	130.2							
Joda	138.5	21'	13:15	131.1	05'	20:30	134.6	137.81	31'	0:00	129.4	24'	23:00	133.2	135.62	01'	17:00	125.7	06'	23:15	131.3							
Karanjia	143.7	21'	21:15	122.4	14'	21:45	133.0	143.41	06'	4:45	119.7	26'	22:30	130.7	138.79	01'	17:00	116.4	24'	22:15	127.0							
Polasponga	139.1	21'	9:30	128.3	14'	23:30	133.3	137.75	20'	10:45	124.4	18'	20:00	131.0	135.50	04'	17:00	122.3	06'	23:15	129.3							
Rairangpur	141.3	21'	21:15	123.4	14'	21:45	132.3	141.27	06'	5:45	122.1	26'	22:45	131.0	137.46	01'	17:00	119.3	24'	22:15	128.0							
Somnathpur	142.0	21'	21:30	124.9	14'	22:45	132.6	140.81	20'	6:15	125.3	31'	23:00	132.7	140.23	28'	17:45	126.1	29'	21:45	133.0							
Soro	142.0	21'	21:15	120.8	14'	22:45	130.6	140.75	20'	6:00	120.2	31'	23:00	130.0	139.08	07'	17:30	121.1	30'	22:00	129.8							
Udala	143.7	21'	21:30	121.9	14'	22:45	131.6	142.44	20'	6:45	122.1	31'	23:00	131.4	140.52	28'	17:45	123.8	05'	14:15	131.5							

#### **SOUTHCO ZONE**

SUBSTATIONS	Apr-20									May-20									Jun-20									
	MAXIMUM			MINIMUM			AVERAGE			MAXIMUM			MINIMUM			AVERAGE			MAXIMUM			MINIMUM			AVERAGE			
	KV	DATE	TIME	KV	DATE	TIME	KV	KV	DATE	TIME	KV	DATE	TIME	KV	KV	DATE	TIME	KV	KV	DATE	TIME	KV	KV	DATE	TIME	KV		
Akhusingh	151.5	26'	18:00	117.3	23'	12:30	128.4	146.30	01'	17:45	110.4	22'	21:45	126.1	142.95	03'	18:00	116.9	04'	12:30	129.9							
Aska	143.3	18'	17:45	132.7	30'	15:15	138.0	145.37	01'	15:45	124.4	26'	14:15	136.6	140.18	28'	13:45	130.4	25'	15:15	135.3							
Berhampur	143.4	08'	19:00	128.3	20'	23:00	134.9	141.33	06'	8:30	120.8	26'	14:15	131.2	137.58	08'	18:45	123.3	04'	12:30	130.4							
Bhanjanagar	144.2	21'	19:45	134.3	06'	17:15	139.2	144.80	01'	15:45	125.5	20'	13:30	138.2	139.77	28'	18:00	132.1	24'	22:45	136.1							
Boudh	139.2	25'	4:30	106.0	02'	9:45	127.7	141.98	06'	5:30	118.7	26'	16:30	128.5	137.45	03'	16:00	116.1	05'	11:45	130.6							
Chatrapur	143.9	08'	19:00	128.5	20'	23:00	135.4	141.27	06'	8:30	121.4	27'	16:00	131.7	137.98	28'	14:30	123.7	04'	12:30	130.7							
Chikiti	144.3	08'	19:00	120.6	09'	5:30	133.6	141.62	06'	8:30	105.3	18'	15:15	129.6	138.10	08'	19:15	120.6	04'	12:30	129.0							
Dabugaon	138.5	26'	18:15	124.9	16'	18:45	130.6	137.13	03'	13:15	123.2	27'	22:00	130.3	137.31	03'	15:00	126.6	01'	22:45	131.2							
Digapahandi	146.6	08'	18:45	122.7	09'	5:30	136.0	143.99	06'	8:30	107.2	18'	15:00	131.9	140.35	08'	19:15	122.7	04'	12:30	131.2							
Ganjam	147.3	08'	19:00	130.9	20'	23:00	137.8	144.47	06'	8:30	120.8	27'	16:00	133.8	140.64	28'	14:30	125.5	04'	12:30	132.7							
Jayanagar	142.5	03'	3:30	129.4	12'	9:15	138.3	141.16	20'	5:30	127.0	13'	14:45	137.7	142.37	03'	15:15	129.1	29'	11:15	137.6							
Mohana	150.0	26'	18:00	117.0	23'	11:45	129.0	144.86	01'	17:45	106.2	18'	15:15	126.6	140.15	10'	20:30	117.7	04'	12:30	128.8							
Narendrapur	147.9	08'	19:00	132.8	20'	23:00																						

## **132KV VOLTAGE AT DIFFERENT GRID SUBSTATIONS**

**WESCO ZONE**

SUBSTATIONS	Apr-20						May-20						Jun-20														
	MAXIMUM			MINIMUM			AVERAGE			MAXIMUM			MINIMUM			AVERAGE			MAXIMUM			MINIMUM			AVERAGE		
	KV	DATE	TIME	KV	DATE	TIME	KV	KV	DATE	TIME	KV	DATE	TIME	KV	KV	DATE	TIME	KV	KV	DATE	TIME	KV	KV	DATE	TIME	KV	
Barapalli	138.7	24'	15:30	108.4	02'	9:45	127.9	142.25	06'	5:30	120.5	26'	16:30	129.7	138.96	03'	14:45	117.1	10'	17:00	131.6						
Bargarh	140.1	27'	3:15	120.5	16'	5:45	127.7	139.48	07'	4:00	123.3	26'	16:45	130.1	137.98	02'	13:30	109.2	20'	15:45	130.1						
Bhawanipatna	145.4	25'	20:15	112.8	21'	14:30	126.6	147.70	08'	18:45	100.9	27'	15:15	125.0	144.18	21'	19:00	109.7	24'	22:00	126.6						
Bolangir	138.7	24'	15:15	113.3	02'	9:45	131.6	141.62	06'	5:30	124.9	22'	16:45	132.0	138.33	22'	3:45	118.4	05'	11:45	133.9						
Brarajnagar	139.1	27'	3:30	134.2	06'	16:30	136.1	139.14	01'	18:30	133.8	27'	15:45	136.3	138.16	21'	5:00	133.4	10'	15:30	136.1						
Budhipadar	138.0	27'	3:30	133.4	06'	16:30	135.1	137.81	07'	4:45	133.0	27'	15:45	135.4	136.83	21'	5:00	132.4	10'	16:45	135.0						
Chend	137.3	24'	13:00	132.6	05'	20:30	135.1	137.58	04'	8:45	130.7	27'	15:45	134.5	137.23	14'	6:45	130.9	24'	19:30	133.7						
ChipilimaP.H.	140.7	27'	3:15	127.8	12'	16:30	132.4	140.45	07'	5:15	129.1	15'	16:15	133.8	138.95	03'	15:30	129.6	10'	16:45	133.7						
Ghens	138.6	25'	4:45	108.3	13'	0:15	132.2	140.12	07'	3:30	127.4	27'	13:45	133.9	138.10	03'	9:30	124.7	05'	15:45	134.0						
Jharsuguda	139.4	27'	3:30	134.7	06'	16:30	136.6	139.31	01'	18:30	134.3	27'	15:45	136.9	138.39	21'	4:30	133.9	10'	15:45	136.5						
Jayapatna	141.8	25'	1:45	133.9	06'	17:15	139.6	141.97	20'	5:30	133.3	27'	14:45	138.6	140.98	28'	14:30	135.5	24'	22:45	138.6						
Junagarah	142.1	21'	16:15	113.5	21'	14:30	126.2	144.74	08'	19:45	101.8	27'	15:15	124.0	140.35	21'	19:00	108.8	24'	22:00	125.2						
Kalunga	138.1	27'	5:15	133.8	20'	16:00	136.0	137.82	01'	15:15	129.1	27'	15:45	133.6	136.20	14'	6:45	123.3	10'	10:30	132.2						
Kantabanji	148.6	08'	16:30	102.2	02'	9:45	124.9	154.15	30'	7:30	105.5	22'	17:00	124.7	145.49	22'	2:30	107.2	10'	17:00	130.1						
Katapali	139.5	27'	3:15	130.6	06'	15:45	134.1	139.37	07'	4:45	131.2	15'	16:15	135.0	137.69	02'	13:30	131.3	10'	16:45	134.8						
Kesinga	141.2	21'	16:15	114.9	21'	14:30	126.8	143.93	08'	19:45	103.8	27'	15:15	124.6	139.71	21'	19:00	110.2	24'	22:00	125.7						
Khariar	136.6	08'	16:30	99.2	02'	9:45	117.0	140.18	08'	18:30	103.5	27'	7:30	118.8	137.87	21'	1:15	104.2	10'	17:00	124.2						
Kuchinda	140.0	27'	4:30	130.6	20'	16:15	134.2	139.86	04'	8:45	125.8	26'	16:30	133.7	138.93	21'	4:30	128.6	06'	23:30	134.7						
Lapanga	139.5	27'	3:30	134.4	06'	16:30	136.5	139.54	07'	4:45	134.6	15'	16:15	137.0	138.73	21'	5:00	134.0	10'	17:00	136.7						
Nuapada	147.1	08'	16:30	104.2	10'	16:45	122.1	146.71	08'	18:30	107.7	21'	16:15	124.4	138.81	10'	18:45	105.2	05'	15:30	125.5						
Padampur	148.3	07'	17:15	114.4	02'	9:45	134.1	143.96	06'	5:30	122.0	26'	16:30	131.5	139.23	05'	12:00	120.2	10'	17:00	133.5						
Patnagarh	138.2	24'	15:30	111.8	02'	9:45	130.3	141.62	06'	5:30	123.3	26'	16:30	131.3	138.44	05'	12:00	120.2	10'	17:00	133.2						
Rairakhol	146.9	24'	16:45	128.8	15'	10:15	141.9	146.41	01'	14:45	130.2	26'	12:15	140.9	145.72	03'	17:30	129.4	05'	16:15	140.5						
Rajgangpur	139.0	27'	5:00	133.9	05'	20:30	136.4	139.71	06'	2:15	130.8	27'	16:00	134.8	138.39	14'	6:45	129.4	24'	13:45	134.3						
Rourkela	138.1	24'	13:00	133.4	05'	20:30	136.0	138.16	04'	8:45	131.4	27'	15:45	135.1	137.69	14'	6:45	128.3	08'	14:15	134.4						
Sadeipali	137.8	24'	15:15	112.9	02'	9:45	131.0	140.70	06'	5:30	124.4	22'	16:45	131.5	137.52	22'	3:45	120.4	05'	15:30	133.3						
Sambalpur	139.0	27'	3:30	130.5	06'	15:45	133.6	139.02	07'	4:45	129.6	25'	16:30	134.1	137.12	21'	4:15	130.3	05'	15:45	133.9						
Sonepur	138.4	24'	15:15	106.6	02'	9:45	127.5	141.50	06'	5:30	119.1	26'	16:30	128.7	136.60	03'	16:00	117.1	05'	11:45	130.7						
Sundargarah	141.3	27'	3:30	135.6	16'	22:30	137.6	141.33	01'	18:30	135.4	27'	15:45	138.1	139.83	21'	4:30	135.0	10'	15:30	137.8						
Tusura	137.7	27'	12:00	108.8	02'	9:45	126.2	139.58	08'	18:30	112.7	29'	10:45	127.0	137.75	22'	4:45	113.5	11'	15:00	130.0						

**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												Maximum continuous period of deviation : with date and time*	Reasons for such deviation**	Tap position in concerned transformer during extreme condition.			
	400 kV				220 kV				132 kV									
	voltage went beyond 420 kV	%	voltage went below 380 kV	%	voltage went beyond 245 kV	%	voltage went below 198 kV	%	voltage went beyond 145 kV	%	voltage went below 122 kV	%	220 kV	132 kV				
1	3	4	5	6	3	4	5	6	7	8	9	10	11	12	13	14	15	
Duburi Old	250.5	0.11	0	0														
Lapanga	0	0	0	0														
Mendhasal	83.25	0.04	0	0														
Meramundai	661.25	0.3	0	0														
Balasore	0	0	0	0	0	0	0	0	0	0	0	0.000						
Bhanjanagar	0	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	0					
Bolangir New	0	0	0	0	0	0	0.75	0.00034	0	0	0	0	0					
Budhipadar	0	0	0	0	0	0	0	0	0	0	0	0	0					
Chandaka	0	0	0	0	0	0	0	0	0	0	3.25	0.001						
Duburi	0	0	0	0	0	0	0	0	0	0	1.5	7E-04						
Jayanagar	0	0	0	0	0	0	0	0	0	0	0	0	0					
Joda	0	0	0	0	0	0	0	0	0	0	0	0.00						
Meramundai	0	0	0	0	0	0	0	0	0	0	0	0	0					
Narendrapur	0	0	0	0	0	0	0	0	8.25	0	0	0						
Tarkera	0	0	0	0	0	0	0	0	0	0	0	0	0					
Theruvali	0	0	0	0	0	0	0	0	0	0	0	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.	NAME OF POWER STATION	INSTALLED CAPACITY IN MW	FIRM POWER IN MW
1	O.H.P.C.		
	HIRAKUD POWER STATION		
	(a)BURLA	$2 \times 49.5 = 99$ $2 \times 32 = 64$ $3 \times 37.5 = 112.5$	134
	(b)CHIPLIMA	$3 \times 24 = 72$	
	BALIMELA POWER HOUSE	$6 \times 60 + 2 \times 75 = 510$	
	RENGALI POWER HOUSE	$5 \times 50 = 250$	
	UPPER KOLAB POWER HOUSE	$4 \times 80 = 320$	
	INDRAVATI POWER HOUSE	$4 \times 150 = 600$	
	MACHHKUND POWER HOUSE ( Orissa Share 30% purchase upto 20% extra)	$3 \times 17 = 51$ $3 \times 23 = 69$	
	TOTAL HYDRO , (A)	2063.5	
2	N.T.P.C.(TAKEN OVER)		
	TTPS STAGE-I**	$4 \times 60 = 240$	160.2
	TTPS STAGE - II	$2 \times 110 = 220$	146.85
	TOTAL TPPS	= 460	
3	O.P.G.C.		
	IB TPS STAGE-I	$2 \times 210 = 420$	342.09
	IB TPS STAGE-II	$2 \times 660 = 1320$ ( ORISSA SHARE = 990)	680
	TOTAL THERMAL , (B)	1870	

## CENTRAL SECTOR GENERATION

SL.NO.	NAME OF POWER STATION	INSTALLED CAPACITY IN MW	SHARE OF INSTALLED CAPACITY OF GRIDCO		AUX. CONS.	% AGE AVAILABILITY(excluding)
			SHARE IN %	MW		
1	CHUKHA (BHUTAN)	$4 \times 84 = 336$ (270MW considered for calculating share)	15.19	41		85
2	TALA (BHUTAN)	$6 \times 170 = 1020$	4.25	43.4		
3	FARAKKA (WEST BENGAL)	$3 \times 200 = 600$	13.63	218.08	7.5	77.91
		$2 \times 500 = 1000$				
		$1 \times 500 = 500$	16.62	83.1		85
4	KAHALGAON (BIHAR)	$4 \times 210 = 840$	15.24	132.47	9	53.98
		$3 \times 500 = 1500$	2.05	39.3	9	62.11
5	TSTPP, KANIHA (ORISSA)	$2 \times 500 = 1000$	31.8	318	7.5	85
		$4 \times 500 = 2000$	10	200	7.5	
6	TEETSA	$3 \times 170 = 510$	20.59	105		85
7	MANGDECHU HEP	$4 \times 180 = 720$	12.57	90.87		
8	MTPS (BIHAR)	$2 \times 195 = 390$	8.53	33.27		
9	DARLIPALI STPS	$1 \times 800 = 800$	58.82	470.56		
	Total ISGS			1775.05		

**GRAND TOTAL (A) + (B) + (C) =                    5708.55                    MW**

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

**FORMAT-D.2**
**MONTHLY NET GENERATION / EXCHANGE / DEMAND DATA IN MU**

<b>CONSTITUENTS</b>	<b>Apr-20</b>	<b>May-20</b>	<b>Jun-20</b>
BURLA	42.970	62.254	58.607
CHIPLIMA	18.436	27.398	30.985
BALIMELA	105.021	181.757	164.899
RENGALI	105.268	69.398	58.534
U.KOLAB	85.703	89.175	72.963
INDRAVATI	199.777	142.972	140.793
<b>O.H.P.C</b>	<b>557.174</b>	<b>572.953</b>	<b>526.781</b>
MACHHAKUND(O/D)	24.896	24.205	20.341
<b>TOTAL STATE HYDRO</b>	<b>582.070</b>	<b>597.158</b>	<b>547.122</b>
IB.T.P.S	187.105	195.688	200.030
OPGC (UNIT3)	454.100	546.349	551.995
OPGC(UNIT 3 UI)	0.189	0.128	0.460
NTPC(T.T.P.S)	276.166	290.586	273.946
TTPS(UI-OD)	-1.694	-2.373	-1.818
IPP-GMR	154.559	154.520	143.527
GMR(UI)	-1.427	-0.368	-0.027
IPP-Vedanta Ltd	165.090	270.083	243.259
IPP-JITPL			
<b>TOTAL THERMAL</b>	<b>1234.088</b>	<b>1454.613</b>	<b>1411.371</b>
IMFA	0.725	0.715	0.718
NALCO	1.670	1.940	1.417
ARATI STEELS	0.104	1.534	0.973
Aryan Ispat Ltd.	0.069	0.066	0.000
BPSL	4.149	15.600	13.470
BSL	5.590	3.070	8.666
DINABANDHU	0.000	0.000	0.087
HINDALCO	1.459	5.922	0.915
IFFCO	0.000	0.000	0.000
JSL	0.000	1.897	0.209
JSPL	2.571	2.598	4.614
BPPL	0.189	0.180	0.160
MAITHAN	0.000	0.000	0.000
NARBHERAM	0.000	0.068	0.103
NINL	0.000	0.000	0.000
MGM	0.162	0.000	0.210
NBVL	0.034	0.308	0.363
DALMIA CEMENT	0.023	0.113	0.028
PATNAIK STEEL	0.000	0.000	0.000
RATHI	0.000	0.000	0.000
RSP	0.022	0.000	0.038
SHYMA DRI	0.303	0.331	0.411
TATA SPONGE	0.205	0.258	0.512
VAL JHARSUGUDA	1.515	1.066	0.000
VAL LANJIGARH	0.630	0.639	0.618
VISA	1.960	0.745	0.859
OSISL	0.000	0.000	0.000
MAHAVIR	0.000	0.000	0.000
SMC	0.030	0.021	0.020
SHREE GANESH	0.000	0.543	0.518
FACOR	0.097	0.217	0.194
ADITYA	1.332	1.286	1.293
ESSAR	0.242	0.230	0.230
BEL	0.058	0.046	0.081
<b>TOTAL-CPPs</b>	<b>23.141</b>	<b>39.393</b>	<b>36.708</b>
Meenakshi	13.016	16.931	20.938
Samal HEP	7.431	7.584	6.952
M/S BPPPL			0.000
<b>Total Small Hydro</b>	<b>20.447</b>	<b>24.515</b>	<b>27.890</b>
Solar Power under RPSSGP Scheme	0.809	0.807	0.604
Alex Green Energy	0.000	0.000	0.000
ACME Solar	4.263	4.888	3.433
SECI (VGF Scheme Ph-II,Batch-I-GEDCOL)	2.463	2.543	1.913
SECI (VGF Scheme Ph-II,Batch-IV)	27.759	28.026	21.579
Aditya Birla Pvt. Ltd.	4.511	4.793	3.483
<b>Total State Solar</b>	<b>39.804</b>	<b>41.058</b>	<b>31.012</b>
Biomass-SGEL	3.195	8.058	1.261
<b>Total Odisha</b>	<b>1902.745</b>	<b>2164.795</b>	<b>2055.365</b>
SECI (VGF Scheme Ph-II,Batch-I-Rajasthan &	9.711	9.786	8.497
Dadri Solar Bundle Power	0.685	0.773	0.671
Faridabad Solar Bundle Power	0.674	0.664	0.591
NVNL Bundle Power(Solar) (Including OA Cha	3.000	3.242	2.648
<b>Total Central Solar</b>	<b>14.070</b>	<b>14.466</b>	<b>12.407</b>
PTC-Ostro	12.822	18.465	11.030
SECI-Green Infra	23.923	36.983	19.283
Vivid Solire			0.000
<b>Total Central Wind</b>	<b>36.745</b>	<b>55.448</b>	<b>30.313</b>
<b>TOTAL Central Thermal</b>	<b>348.682</b>	<b>479.797</b>	<b>323.039</b>
<b>TOTAL Central Hydro</b>	<b>65.299</b>	<b>134.998</b>	<b>180.990</b>
EREB IMPORT	484.110	708.017	564.518
EREB EXPORT	33.816	27.664	34.702
<b>NET EREB</b>	<b>450.294</b>	<b>680.353</b>	<b>529.816</b>
Banking Power(Export)	0.000	0.000	0.000
TRADING(PXL+IEX+Bilateral) (Export)	470.197	677.079	388.206
OTHER SALE(Including Nalco+Imfa)	3.290	8.980	16.410
<b>SYSTEM DEMAND</b>	<b>1879.552</b>	<b>2159.088</b>	<b>2180.565</b>

\* Monthly Pool Account is yet to be finalised.

## GRIDCO DRAWAL FROM DIFFERENT SOURCES FOR THE PERIOD (April'20-June'20)

Sl. No	Source of Power	Drawal in MU	Total Cost in Crore( Rs.)	Avg. Cost in P/U
1	<b>TOTAL HYDRO</b>	1726.350	139.061	80.55
2	<b>OPGC</b>	2136.044	640.445	299.83
3	<b>TPPS</b>	834.813	273.291	327.37
4	<b>ISGS</b>	1660.463	667.678	402.10
5	<b>CPPs</b>	99.242	0.000	0.00
6	<b>IPPs</b>	1129.216	316.723	280.48
7	<b>Non-conventional(State)</b>	197.239	137.594	697.60
<b>TOTAL</b>		<b>7783.367</b>	<b>2174.792</b>	<b>2087.930</b>

TRADING+IEX+Banking Power+OA                    1564.162  
 Net Purchase    6219.205

**FIGURES ARE PROVISIONAL & SUBJECTED TO CHANGE.**

**NOTE: Total Cost of TPPS 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 30.06.20 IN MVA	PROGRESSIVE IN MVA	CAPACITY ADDITION (MVA)	DATE	REMARKS
1	Soro	2 x 20 +1 x 40	1 x 20 +2 x 40	20	13.04.20	132/33 kV 20 MVA TRF-I has been replaced with 40MVA and loaded at 13:49 hrs.
2	Ghess	1 x 40	2 x 40	40	19.04.20	132/33 kV 40 MVA TRF-I has been charged at 11:27 hrs and loaded on 13:20hrs on 20.04.20.
3	Goda	-	1 x 40	40	29.05.20	132/33 kV 40 MVA TRF-II has been charged.

**Format-D.5**

**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
<b>Berhampur</b>	20.05.20	Bhanjanagar	-	-	B Phase PT of 132kV Bhanjanagar- Phulbani Ckt. burst at B.Nagar Grid S/S.	-	-	-
<b>Bhubaneswar</b>			-	-	-	-	-	-
<b>Burla</b>	09.04.20	Budhipadar	-	-	-	-	Y-Phase CVT of 132 KV Budhipadar-Sundargarh Ckt- I bursted at Sundergarh end.	-
	27.04.20	Budhipadar	-	-	-	-	R-Phase Wave trap of 220 KV Budhipadar-Korba Ckt- II is completely bursted	-
	15.05.20	Budhipadar	-	-	-	-	B-phase CVT of 132 KV Budhipadar-Sundargarh CKT-II Burst.	-
	23.05.20	Rajgangpur	-	-	R-Phase 132Kv CT of 132KV Rajgangpur-Tarkera CKT-II Burst.	-	-	-
<b>Bolangir</b>	-	-	-	-	-	-	-	-
<b>Chainpal</b>	-	-	-	-	-	-	-	-
<b>Cuttack</b>	-	-	-	-	-	-	-	-
<b>Balasore</b>	01.05.20	Duburi	-	-	-	-	LA in the Incomer Fdr at BC Mohanty S/S burst.	-
<b>Jeypore</b>	12.05.20	Jayanagar			B Phase CT of 132kV Jayanagar Traction Ckt. burst		-	-