



उपूक्षे का तिमाही सिस्टम स्टेटास रिपोर्ट

जुलाई'21 - सितंबर'21

**Quarterly System Operation Report of North
Eastern Region July'21 - September'21**

पावर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड

(पावरग्रिड की पूर्ण स्वामित्व प्राप्त सहायक कंपनी)

Power System Operation Corporation Limited

(A Government of India Enterprise)

उत्तर पूर्वी क्षेत्रीय भार प्रेषण केन्द्र

North Eastern Regional Load Despatch Centre

उपक्षेत्र का तिमाही सिस्टम स्टेटस रिपोर्ट / Quarterly Report of North Eastern Region
अवधि के लिए / for the period w.e.f 01-Jul-21 to 30-Sep-21

"पर जारी / Issued on : 20th Oct'21

ते प्रोफाइल / Quality of Power (Voltage and Frequency Profile) excerpt

प्रोफाइल वोल्टेज में / Voltage Profile in pu

माह / 'Month	मिसा 400 केवी / Misa 400 kV			बलीपारा 400 केवी / Balipara 400 kV			बोनगैगांव 400 केवी Bongaigaon 400 kV		
	Max	'Min	VDI	Max	Min	VDI	Max	'Min	VDI
July'2021	1.040	0.988	0.00%	1.030	0.985	0.00%	1.035	0.988	0.00%
August'2021	1.035	0.983	0.00%	1.035	0.988	0.00%	1.038	0.990	0.00%
September'2021	1.045	0.980	0.00%	1.033	0.978	0.00%	1.038	0.990	0.00%

माह / 'Month	रंगानदी 400 केवी Ranganadi 400 kV			पालताना 400 केवी Palatana 400 kV			सिलचर 400 केवी Silchar 400 kV		
	Max	'Min	VDI	Max	Min	VDI	Max	'Min	VDI
July'2021	1.053	1.005	0.01%	1.035	0.988	0.00%	1.048	1.003	0.00%
August'2021	1.053	0.995	0.02%	1.038	0.983	0.00%	1.043	0.993	0.00%
September'2021	1.048	0.990	0.00%	1.030	0.995	0.00%	1.043	0.995	0.00%

माह / 'Month	विश्वनाथ चाराली 400 केवी Biswanath Charali 400 kV			अज़रा 400 केवी /Azara 400 kV			बीजीटीपीपी 400 केवी / BgTPP 400 kV		
	Max	'Min	VDI	Max	Min	VDI	Max	'Min	VDI
July'2021	1.030	0.983	0.00%	1.035	0.993	0.00%	1.048	1.000	0.00%
August'2021	1.040	0.988	0.00%	1.028	0.993	0.00%	1.045	1.003	0.00%
September'2021	1.040	0.980	0.00%	1.048	1.003	0.00%	1.048	0.995	0.00%

माह / 'Month	बारनीहाट 400 केवी / Byrnihat 400 kV			इम्फल 400 केवी/ Imphal 400 kV			सुरजमानीनगर 400 केवी/ Surajmaninagar 400 kV		
	Max	'Min	VDI	Max	Min	VDI	Max	'Min	VDI
July'2021	1.053	1.003	0.01%	1.060	0.988	0.02%	1.048	0.983	0.00%
August'2021	1.048	1.028	0.00%	1.053	0.988	0.22%	1.048	0.983	0.00%
September'2021	1.048	1.000	0.00%	1.048	0.983	0.00%	1.045	0.978	0.00%

माह / 'Month	न्यू कोहीमा 400 केवी/ New Kohima 400 kV			मरियानी 400 केवी / Mariani(PG) 400 kV			पीके बारी 400 केवी/ PK Bari(STERLITE) 400 kV		
	Max	'Min	VDI	Max	Min	VDI	Max	'Min	VDI
July'2021	1.048	0.985	0.00%	1.040	0.988	0.00%	1.048	0.988	0.00%
August'2021	1.045	0.983	0.00%	1.040	0.988	0.00%	1.048	0.988	0.00%
September'2021	1.045	0.983	0.00%	1.048	0.983	0.00%	1.043	0.983	0.00%

माह / 'Month	मोकोक्चुंग 220 केवी/ Mokokchung 220 kV			एजिबिपिपी 220 केवी / AGBPP 220 kV			मिसा 220 केवी / Misa 220 kV		
	Max	'Min	VDI	Max	Min	VDI	Max	'Min	VDI
July'2021	1.073	0.959	0.00%	1.068	0.955	0.00%	1.055	0.968	0.00%
August'2021	1.045	0.955	0.00%	1.073	0.977	0.00%	1.050	0.964	0.00%
September'2021	1.077	0.914	0.00%	1.082	0.968	0.00%	1.073	0.959	0.00%

माह / 'Month	कहीलीपारा 132 केवी / Kahilipara 132 kV			निरजुली 132 केवी / Nirjuli 132 kV			इम्फल 132 केवी / Imphal 132 kV		
	Max	'Min	VDI	Max	Min	VDI	Max	'Min	VDI
July'2021	1.038	0.962	0.00%	1.023	0.962	0.00%	1.045	0.970	0.00%
August'2021	1.045	0.962	0.00%	1.045	0.970	0.00%	1.045	0.970	0.00%
September'2021	1.045	0.962	0.00%	1.015	0.962	0.00%	1.045	0.977	0.00%

माह / 'Month	आइजोल 132 केवी / Aizawl 132 kV		
	Max	'Min	VDI
July'2021	1.053	0.947	0.00%
August'2021	1.053	0.947	0.00%
September'2021	1.030	0.955	0.00%

ऑ में अवधि / Frequency Profile (in %) (Duration in different ranges)

माह / 'Month	f < 49.9 Hz	49.9 Hz < f < 50.05 Hz	50.05 Hz < f	FDI (% of Time)
July'2021	5.35	75.05	19.59	24.95
August'2021	7.68	76.92	15.40	23.08
September'2021	4.18	77.01	18.82	22.99

a) Peak Demand Met and Unrestricted Demand (MW)

MONTH	STATE	PK REQ	PK DMD MET	SHORTAGE %
July 2021	अरुणाचल प्रदेश / Arunachal Pradesh	197	162	17.7
	असम / Assam	2104	2034	3.3
	मणिपुर / Manipur	206	206	0.0
	मेघालय / Meghalaya	317	317	0.0
	मिजोरम / Mizoram	102	102	0.0
	नगालैंड / Nagaland	149	145	2.8
	त्रिपुरा / Tripura	296	296	0.0
	क्षेत्र / Region	3370	3261	3.2
August 2021	अरुणाचल प्रदेश / Arunachal Pradesh	182	153	15.7
	असम / Assam	2096	2019	3.6
	मणिपुर / Manipur	206	206	0.0
	मेघालय / Meghalaya	331	331	0.0
	मिजोरम / Mizoram	107	107	0.0
	नगालैंड / Nagaland	168	149	11.4
	त्रिपुरा / Tripura	303	303	0.0
	क्षेत्र / Region	3393	3269	3.7
September 2021	अरुणाचल प्रदेश / Arunachal Pradesh	185	156	16.1
	असम / Assam	2104	2104	0.0
	मणिपुर / Manipur	210	210	0.0
	मेघालय / Meghalaya	327	327	0.0
	मिजोरम / Mizoram	116	116	0.0
	नगालैंड / Nagaland	173	153	11.3
	त्रिपुरा / Tripura	305	305	0.0
	क्षेत्र / Region	3421	3372	1.4

b) Energy Met and Requirement (MU)

MONTH	STATE	Energy REQ	Energy MET	SHORTAGE %
July 2021	अरुणाचल प्रदेश / Arunachal Pradesh	79	79	0.3
	असम / Assam	1048	1048	0.0
	मणिपुर / Manipur	81	81	0.3
	मेघालय / Meghalaya	201	201	0.0
	मिजोरम / Mizoram	51	50	0.5
	नगालैंड / Nagaland	78	78	0.3
	त्रिपुरा / Tripura	229	229	0.1
	क्षेत्र / Region	1766	1765	0.1
August 2021	अरुणाचल प्रदेश / Arunachal Pradesh	79	79	0.0
	असम / Assam	1076	1075	0.1
	मणिपुर / Manipur	81	81	0.0
	मेघालय / Meghalaya	176	176	0.0
	मिजोरम / Mizoram	49	49	0.0
	नगालैंड / Nagaland	80	80	0.0
	त्रिपुरा / Tripura	242	242	0.0
	क्षेत्र / Region	1783	1782	0.0
September 2021	अरुणाचल प्रदेश / Arunachal Pradesh	80	80	0.0
	असम / Assam	1101	1101	0.0
	मणिपुर / Manipur	79	79	0.1
	मेघालय / Meghalaya	165	165	0.1
	मिजोरम / Mizoram	48	48	0.0
	नगालैंड / Nagaland	75	75	0.3
	त्रिपुरा / Tripura	235	235	0.0
	क्षेत्र / Region	1783	1782	0.0

सामग्री विवरण / Water Level & Energy Content details

जलाशय / Reservoir	As on 30-Sep-20		As on 30-Sep-21	
	जलाशय स्तर / Water Level	एमयू सामग्री / MU Content	जलाशय स्तर / Water Level	एमयू सामग्री / MU Content
खांडोग / Khandong	722.0	32.0	719.8	26.0
कोपिली / Kopili	0.0	-	0.0	-
लोकतक / Loktak	768.6	230.0	766.7	17.0
बारापानी / Barapani	981.0	48.0	978.0	38.0
गुमती / Gunti	0.0	-	92.4	25.0
डोयांग / Doyang	318.0	19.0	319.0	21.0

साम वास्तविक ड्रा / Schedule vs Actual Drawl by States

Month	State	Schedule Drawl (MU)	Actual Drawl (MU)	Deviation (MU)
July'2021	अरुणाचल प्रदेश / Arunachal Pradesh	74.515	76.756	2.240
	असम / Assam	900.744	908.899	8.155
	मणिपुर / Manipur	80.030	80.774	0.744
	मेघालय / Meghalaya	54.841	50.112	-4.729
	मिजोरम / Mizoram	46.679	45.447	-1.233
	नागालैंड / Nagaland	72.716	71.351	-1.366
	त्रिपुरा / Tripura	132.559	128.411	-4.148
August'2021	अरुणाचल प्रदेश / Arunachal Pradesh	75.281	79.284	4.003
	असम / Assam	907.731	917.431	9.700
	मणिपुर / Manipur	79.178	80.809	1.631
	मेघालय / Meghalaya	35.701	30.437	-5.264
	मिजोरम / Mizoram	39.560	38.427	-1.132
	नागालैंड / Nagaland	68.190	66.578	-1.611
	त्रिपुरा / Tripura	160.697	151.955	-8.741
September'2021	अरुणाचल प्रदेश / Arunachal Pradesh	70.012	74.174	4.162
	असम / Assam	926.739	934.679	7.940
	मणिपुर / Manipur	78.998	78.908	-0.090
	मेघालय / Meghalaya	64.639	62.203	-2.436
	मिजोरम / Mizoram	33.036	31.920	-1.116
	नागालैंड / Nagaland	63.985	59.774	-4.211
	त्रिपुरा / Tripura	152.331	145.613	-6.717

क्षेत्रीय एक्सचेंज / Inter-Regional Exchanges during the quarter

Figures in MU

MONTH	220 KV		400 KV		400 KV	
	Birpara-Salakati D/C		Binaguri-B'gaon D/C		Alipurduar-B'gaon D/C	
	Exp	Imp	Exp	Imp	Exp	Imp
July'2021	0.000	56.772	161.295	161.473	101.065	107.546
August'2021	0.714	30.368	82.300	87.160	4.781	43.679
September'2021	0.367	48.541	141.500	144.609	78.359	98.106

देशीय एक्सचेंज / Inter-Country Exchanges during the quarter

Figures in MU

MONTH	Bangladesh (in MU)		Bhutan (in MU)		Myanmar (in MU)	
	Exp	Imp	Exp	Imp	Exp	Imp
July'2021	84.120	0	0.000	52.360	0.804	0
August'2021	92.360	0	0.000	48.550	0.844	0
September'2021	86.520	0	0.000	48.910	0.804	0

6. एनईआर प्रणाली में ग्रीड घटनाएं Grid Incidents in NER system

The section may detail near miss situations, incidents of multiple elements outage, natural calamities affecting the power system, oscillations observed in the system etc.

A. Grid Disturbance

Sl No	Region	Outage		Event	Generation Generation	Load Loss(MW)	Category as per CEA Category as per CEA
		Date	Time				
1	NER	03-Jul-21	11:11	<p>Khupi area of Arunachal Pradesh Power System & Dikshi HEP of Arunachal Pradesh Power System were connected with the rest of NER Grid through 132 kV Balipara - Tenga line.</p> <p>At 11:11 Hrs on 03.07.2021, 132 kV Balipara - Tenga line tripped. Due to tripping of this element, Khupi area of Arunachal Pradesh Power System & Dikshi HEP of Arunachal Pradesh Power System were separated from the rest of NER Grid and subsequently collapsed due to load generation mismatch in this area.</p> <p>Power extended to Tenga S/S by charging 132 kV Balipara-Tenga line at 11:26 Hrs and Khupi S/S by charging 132 kV Tenga- Khupi line at 11:38 hrs on 03.07.2021.</p>	9	18	GD-I
2	NER	03-Jul-21	14:26	<p>Khupi area of Arunachal Pradesh Power System & Dikshi HEP of Arunachal Pradesh Power System were connected with the rest of NER Grid through 132 kV Balipara - Tenga line.</p> <p>At 14:26 Hrs on 03.07.2021, 132 kV Balipara - Tenga line tripped. Due to tripping of this element, Khupi area of Arunachal Pradesh Power System & Dikshi HEP of Arunachal Pradesh Power System were separated from the rest of NER Grid and subsequently collapsed due to load generation mismatch in this area.</p> <p>Power extended to Tenga S/S by charging 132 kV Balipara-Tenga line at 19:45 Hrs and Khupi S/S by charging 132 kV Tenga- Khupi line at 20:00 hrs on 03.07.2021.</p>	9	17	GD-I
3	NER	10-Jul-21	04:46	<p>North Lakhimpur,Dhemaji and Majuli areas of Assam Power System were connected with the rest of NER Grid through 132 kV Gohpur- North-Lakhimpur D/C lines.</p> <p>At 04:46 Hrs on 10.07.2021, 132 kV Gohpur- North-Lakhimpur D/C lines tripped. Due to tripping of these elements, North Lakhimpur, Dhemaji and Majuli areas of Assam Power System were separated from the rest of NER Grid and subsequently collapsed due to load generation mismatch in this area.</p> <p>Power extended to 132 kV North-Lakhimpur S/S by charging 132 kV Gohpur- North-Lakhimpur I at 04:51 Hrs on 10.07.2021.</p>	0	16	GD-I
4	NER	10-Jul-21	14:16	<p>North Lakhimpur,Dhemaji and Majuli areas of Assam Power System were connected with the rest of NER Grid through 132 kV Gohpur- North-Lakhimpur D/C lines.</p> <p>At 14:16 Hrs on 10.07.2021, 132 kV Gohpur- North-Lakhimpur D/C lines tripped. Due to tripping of these elements, North Lakhimpur,Dhemaji and Majuli areas of Assam Power System were separated from the rest of NER Grid and subsequently collapsed due to load generation mismatch in this area.</p> <p>Power extended to 132 kV North-Lakhimpur S/S by charging 132 kV Gohpur- North-Lakhimpur I at 14:33 Hrs on 10.07.2021.</p>	0	52	GD-I
5	NER	12-Jul-21	11:27	<p>Khupi area of Arunachal Pradesh Power System & Dikshi HEP of Arunachal Pradesh Power System were connected with the rest of NER Grid through 132 kV Balipara - Tenga line.</p> <p>At 11:27 Hrs on 12.07.2021, 132 kV Balipara - Tenga line tripped. Due to tripping of this element, Khupi area of Arunachal Pradesh Power System & Dikshi HEP of Arunachal Pradesh Power System were separated from the rest of NER Grid and subsequently collapsed due to load generation mismatch in this area.</p> <p>Power extended to Tenga S/S and subsequently to radially connected Khupi S/S by charging 132 kV Balipara-Tenga line at 19:05 Hrs on 12.07.2021.</p>	12	3	GD-I

6	NER	14-Jul-21	11:04	<p>Rabindranagar and Udaipur areas of Tripura Power System & Monarchak Power Station were connected with the rest of NER Grid through 132 kV Palatana-Udaipur line.(132kV Monarchak - Rokhia line & Monarchak STG were under shutdown since 10:22 Hrs)</p> <p>At 11:04 Hrs on 14.07.2021, 132 kV Palatana-Udaipur line tripped. Due to tripping of this element,Rabindranagar and Udaipur areas of Tripura Power System & Monarchak Power Station were separated from the rest of NER Grid and subsequently collapsed due to load generation mismatch in these areas.</p> <p>Power extended to Monarchak S/S by charging 132 kV Monarchak-Rokhia line at 14:04 Hrs on 14.07.2021 subsequently to 132 kV Udaipur S/S by charging 132 kV Palatana-Udaipur line at 14:07 Hrs</p>	67	25	GD-I
7	NER	16-Jul-21	09:15	<p>Dhaligaon, Gossaigaon and part load of Bornagar areas of Assam Power System were connected with the rest of NER Grid through 132 kv BTPS-Dhaligaon 1 and 2 lines. 132 kv Gossaigaon-Gauripur line was ideally charged from Gauripur end to avoid O/L of 132 kv BTPS-Kokrajhar line and 132 kv Dhaligaon-Nalbari line was kept open by Assam SLDC due to low loading capability of the line</p> <p>At 09:15 Hrs on 16.07.2021, 132 kv BTPS-Dhaligaon 1 & 2 lines tripped. Due to tripping of these elements, Dhaligaon, Gossaigaon and part load of Bornagar areas of Assam Power System were separated from the rest of NER Grid and subsequently collapsed due to no source in these areas.</p> <p>Power was extended to Dhaligaon area of Assam Power System by charging 132 kv BTPS-Dhaligaon 1 line at 09:19 Hrs on 16.07.2021, subsequently power was extended to Gossaigaon and Bornagar areas of Assam Power System.</p>	0	52	GD-I
8	NER	17-Jul-21	15:24	<p>Pasighat area of Arunachal Pradesh Power System was connected with the rest of NER Grid through 132 kv Along - Pasighat line.</p> <p>At 15:24 Hrs on 17.07.2021, 132 kv Along - Pasighat line tripped. Due to tripping of this element, Pasighat area of Arunachal Pradesh Power System was separated from rest of NER Grid and subsequently collapsed due to no source in this area.</p> <p>Power was extended to 132 kv Pasighat S/S and radially connected S/Ss by charging 132 kv Along - Pasighat line at 15:40 Hrs of 17/07/2021.</p>	0	16	GD-I
9	NER	18-Jul-21	18:03	<p>Myndtu Leshka HEP of Meghalaya Power System was connected to the rest of NER Grid through 132 kv Leshka - Khliehriat D/C lines.</p> <p>At 18:03 Hrs on 18.07.2021,132 kv Leshka - Khliehriat D/C lines tripped. Due to tripping of these elements, Myndtu Leshka HEP of Meghalaya Power System consisting of 3 units of Leshka Generation were separated from the rest of NER Grid and subsequently collapsed due to loss of evacuation path.</p> <p>Power extended to Myndtu Leshka HEP of Meghalaya Power System by charging 132 kv Leshka - Khliehriat I line at 18:53 Hrs dtd 18.07.2021</p>	123	0	GD-I
10	NER	20-Jul-21	09:42	<p>Tenga and Khupi areas of Arunachal Pradesh Power System and Dikshi Generating Stations were connected to the rest of NER Grid through 132 kv Balipara - Tenga Line.</p> <p>At 09:42 Hrs on 20.07.2021, 132 kv Balipara - Tenga Line tripped. Due to tripping of this element, Tenga and Khupi areas of Arunachal Pradesh Power System and Dikshi Generating Stations were separated from the rest of NER Grid and subsequently collapsed due to load generation mismatch in these areas.</p> <p>Power extended to Tenga S/S and subsequently to radially connected Khupi S/S by charging 132 kv Balipara-Tenga line at 09:53 Hrs on 29.07.2021.</p>	0	17	GD-I

11	NER	20-Jul-21	11:45	<p>132 kV Mokokchung (DoP, Nagaland) area of Nagaland Power System was connected to the rest of NER Grid through 132 kV Mokokchung(PG)-Mokokchung(DoP, Nagaland) D/C Lines and 132 kV Doyang-Mokokchung (DoP, Nagaland) Line.</p> <p>At 11:45 Hrs on 20.07.2021, 132 kV Doyang-Mokokchung (DoP, Nagaland) Line and 132 kV Mokokchung(PG)-Mokokchung(DoP, Nagaland) D/C Lines tripped. Due to tripping of these elements, 132 kV Mokokchung (DoP, Nagaland) Area of Nagaland Power System were separated from the rest of NER Grid and subsequently collapsed due to no source in the area.</p>	0	16	GD-I
12	NER	21-Jul-21	12:46:00	<p>Pasighat, Roing, Tezu and Namsai Area of Arunachal Pradesh Power System was connected to the rest of NER Grid through 132 kV Along - Pasighat Line.</p> <p>At 12:46 Hrs on 21.07.2021, 132 kV Along - Pasighat Line tripped. Due to tripping of these elements, Pasighat, Roing, Tezu and Namsai Area of Arunachal Pradesh Power System were separated from the rest of NER Grid and subsequently collapsed due to no source in the area.</p>	0	16	GD-I
13	NER	22-Jul-21	13:35	<p>Myndtu Leshka HEP of Meghalaya Power System was connected to the rest of NER Grid through 132 kV Leshka - Khliehriat D/C.</p> <p>At 13:35 Hrs on 22.07.2021, 132 kV Leshka - Khliehriat D/C tripped. Due to tripping of these elements, Myndtu Leshka HEP of Meghalaya Power System consisting of 3 units of Leshka Generation were separated from the rest of NER Grid and subsequently collapsed due to loss of evacuation path.</p> <p>Power was extended to Myndtu Leshka HEP of Meghalaya Power System by charging 132 kV Leshka - Khliehriat I at 13:57 Hrs dtd 22.07.2021</p>	48	0	GD-I
14	NER	22-Jul-21	14:35:00	<p>Myndtu Leshka HEP of Meghalaya Power System was connected to the rest of NER Grid through 132 kV Leshka - Khliehriat D/C.</p> <p>At 14:35 Hrs on 22.07.2021, 132 kV Leshka - Khliehriat D/C tripped. Due to tripping of these elements, Myndtu Leshka HEP of Meghalaya Power System consisting of 3 units of Leshka Generation were separated from the rest of NER Grid and subsequently collapsed due to loss of evacuation path.</p> <p>Power was extended to Myndtu Leshka HEP of Meghalaya Power System by charging 132 kV Leshka - Khliehriat I at 14:57 Hrs dtd 22.07.2021</p>	42	0	GD-I
15	NER	22-Jul-21	16:54	<p>Zuangtui area of Mizoram Power System was connected with the rest of NER Grid through 132 kV Melriat - Zuangtui line. At 16:54 Hrs dtd 22.07.2021, 132 kV Melriat - Zuangtui line tripped.</p> <p>Due to tripping of this element, Zuangtui area of Mizoram Power System was separated from rest of NER Grid and subsequently collapsed due to no source in this area.</p> <p>Power was extended to Zuangtui Area of Mizoram Power System by charging 132 kV Melriat - Zuangtui line at 17:32 Hrs on 22.07.2021</p>	0	35	GD I
16	NER	22-Jul-21	18:07	<p>Zuangtui area of Mizoram Power System was connected with the rest of NER Grid through 132 kV Melriat - Zuangtui line. At 18:07 Hrs dtd 22.07.2021, 132 kV Melriat - Zuangtui line tripped.</p> <p>Due to tripping of this element, Zuangtui area of Mizoram Power System was separated from rest of NER Grid and subsequently collapsed due to no source in this area.</p> <p>Power was extended to Zuangtui Area of Mizoram Power System by charging 132 kV Melriat - Zuangtui line at 18:40 Hrs on 22.07.2021</p>	0	30	GD I

17	NER	23-Jul-21	12:50	<p>Umrangshu & Haflong area of Assam power system were connected to the rest of NER Grid through 132 kV Khandong - Umrangshu Line. 132 kV Haflong(PG)-Jiribam line was under shutdown since 08:46 Hrs of 22.07.2021.</p> <p>At 12:50 Hrs on 23.07.2021, 132 kV Khandong - Umrangshu Line tripped. Due to tripping of this element, Umrangshu & Haflong area of Assam power system were separated from the rest of NER Grid and subsequently collapsed due to no source in the area. Power was extended by charging 132 kV Khandong - Umrangshu Line at 15:32 Hrs on 23.07.2021.</p>	0	14	GD-I
18	NER	23-Jul-21	03:12:00	<p>Tenga & Khupi area of Arunachal Pradesh Power System were connected with the rest of NER Grid through 132 kV Balipara - Tenga line.</p> <p>At 03:12 Hrs on 23.07.2021, 132 kV Balipara - Tenga line tripped. Due to tripping of this element, Tenga & Khupi area of Arunachal Pradesh Power System were separated from the rest of NER Grid and subsequently collapsed due to load generation mismatch in this area.</p> <p>Power extended to Tenga S/S and subsequently to radially connected Khupi S/S by charging 132 kV Balipara-Tenga line at 03:35 Hrs on 23.07.2021.</p>	0	19	GD-I
19	NER	26-Jul-21	11:12:00	<p>132 kV Mokokchung (DoP, Nagaland) area of Nagaland Power System was connected to the rest of NER Grid through 132 kV Mokokchung(PG)-Mokokchung(DoP, Nagaland) D/C Lines and 132 kV Doyang-Mokokchung (DoP, Nagaland) Line.</p> <p>At 11:12 Hrs on 26.07.2021, 132 kV Doyang-Mokokchung (DoP, Nagaland) Line and 132 kV Mokokchung(PG)-Mokokchung(DoP, Nagaland) D/C Lines tripped. Due to tripping of these elements, 132 kV Mokokchung (DoP, Nagaland) Area of Nagaland Power System were separated from the rest of NER Grid and subsequently collapsed due to no source in the area.</p> <p>Power was extended to Mokokchung area by charging 132 kV Mokokchung(PG) - Mokokchung(NL) D/C at 11:46 Hrs. of 26.07.2021.</p>	21	18	GD-I
20	NER	27-Jul-21	09:30:00	<p>Kohima (Capital) area of Nagaland Power System was connected with rest of NER Grid through 132 kV Dimapur(PG)- Kohima line, 132 Kohima -Wokha line & 132 kV Karong -Kohima line (132 kV Kohima-Meluri line was under outage/handtripped due to tower on verge of collapse since 13/07/21).</p> <p>At 09:30 Hrs on 27.07.21,132 kV Dimapur(PG)- Kohima line, 132 Kohima -Wokha line & 132 kV Karong -Kohima lines tripped. Due to tripping of these elements, Kohima (Capital) area of Nagaland Power System was separated from rest of NER Grid and subsequently collapsed due to no source in this area.</p> <p>Power supply was extended to Kohima area by charging 132 kV Dimapur- Kohima line at 09:51 Hrs of 28/07/21</p>	0	13	GD-I
21	NER	28-Jul-21	11:52	<p>Pasighat, Roing, Tezu and Namsai Area of Arunachal Pradesh Power System were connected to the rest of NER Grid through 132 kV Along - Pasighat Line.</p> <p>At 11:52 Hrs on 28.07.2021, 132 kV Along - Pasighat Line tripped. Due to tripping of these elements, Pasighat, Roing, Tezu and Namsai Area of Arunachal Pradesh Power System were separated from the rest of NER Grid and subsequently collapsed due to no source in the area.</p> <p>Power was extended to Pasighat, Roing, Tezu and Namsai Area of Arunachal Pradesh Power System by charging 132 kV Along - Pasighat Line at 11:58 Hrs on 28.07.2021.</p>	0	17	GD-I

22	NER	29-Jul-21	03:39:00	<p>Tenga and Khupi areas of Arunachal Pradesh Power System and Dikshi Generating Stations were connected to the rest of NER Grid through 132 kV Balipara - Tenga Line.</p> <p>At 03:39 Hrs on 29.07.2021, 132 kV Balipara - Tenga Line tripped. Due to tripping of this element, Tenga and Khupi areas of Arunachal Pradesh Power System and Dikshi Generating Stations were separated from the rest of NER Grid and subsequently collapsed due to load generation mismatch in these areas.</p> <p>Power extended to Tenga S/S and subsequently to radially connected Khupi S/S by charging 132 kV Balipara-Tenga line at 03:54 Hrs on 29.07.2021.</p>	0	15	GD-I
23	NER	29-Jul-21	10:18	<p>Tenga and Khupi areas of Arunachal Pradesh Power System and Dikshi Generating Stations were connected to the rest of NER Grid through 132 kV Balipara - Tenga Line.</p> <p>At 10:18 Hrs on 29.07.2021, 132 kV Balipara - Tenga Line tripped. Due to tripping of this element, Tenga and Khupi areas of Arunachal Pradesh Power System and Dikshi Generating Stations were separated from the rest of NER Grid and subsequently collapsed due to load generation mismatch in this area.</p> <p>132 kV Balipara-Tenga line was declared faulty at 11:50 Hrs on 29.07.2021</p> <p>Power extended to Tenga S/S and subsequently to radially connected Khupi S/S by charging 132 kV Balipara-Tenga line at 15:37 Hrs on 29.07.2021.</p>	0	18	GD-I
24	NER	30-Jul-21	02:05:00	<p>Along, Pasighat, Roing, Tezu & Namsai Areas of Arunachal Power System was connected with the rest of NER Grid through 132 kV Daporijo-Along line.</p> <p>At 02:05 Hrs on 30.07.2021, 132 kV Daporijo-Along line tripped. Due to tripping of this element, Along and the radially connected Pasighat, Roing, Tezu & Namsai areas of Arunachal Power System were separated from the rest of NER Grid and subsequently collapsed due to no source available in these areas.</p> <p>Power was extended to Along, Pasighat, Roing, Tezu & Namsai Areas of Arunachal Power System by charging 132 kV Daporijo-Along line at 12:23 Hrs on 30.07.2021</p>	0	22	GD-I
25	NER	30-Jul-21	16:28:00	<p>Leshka Power Station of Meghalaya Power System was connected with rest of NER Grid through 132 kV Khleihriat - Leshka D/C lines.</p> <p>At 16:28 hrs of 30.07.2021, 132 kV Khleihriat - Leshka D/C tripped. Due to tripping of these lines, Leshka Power Station of Meghalaya Power System was separated from rest of NER Grid and subsequently collapsed due to load generation mismatch.</p> <p>Power was extended to Leshka HEP by charging 132 kV Khleihriat - Leshka II line at 16:42 Hrs on 30.07.2021</p>	105	0	GD-I
26	NER	30-Jul-21	10:18	<p>Zuangtui area of Mizoram Power System was connected with the rest of NER Grid through 132 kV Melriat - Zuangtui line. 132 kV Serchip - Lunglei (Khawiva) line is kept in opened condition to avoid overloading of 132 kV Aizawl - Luangmual line.</p> <p>At 10:18 Hrs dtd 30.07.2021, 132 kV Melriat - Zuangtui line tripped. Due to tripping of this element, Zuangtui area of Mizoram Power System was separated from rest of NER Grid and subsequently collapsed due to no source in this area.</p> <p>Power Supply to Zuangtui area of Mizoram was restored by charging 132 kV Melriat - Zuangtui line at 10:28 Hrs on 30.07.2021</p>	0	26	GD-I

27	NER	30-Jul-21	10:46	<p>Zuangtui area of Mizoram Power System was connected with the rest of NER Grid through 132 kV Melriat - Zuangtui line. 132 kV Serchip - Lunglei (Khawiva) line is kept in opened condition to avoid overloading of 132 kV Aizawl - Luangmual line.</p> <p>At 10:46 Hrs dtd 30.07.2021, 132 kV Melriat - Zuangtui line tripped. Due to tripping of this element, Zuangtui area of Mizoram Power System was separated from rest of NER Grid and subsequently collapsed due to no source in this area.</p> <p>Power Supply to Zuangtui area of Mizoram was restored by charging 132 kV Melriat - Zuangtui line at 11:10 Hrs on 30.07.2021</p>	0	27	GD-I
28	NER	02-Aug-21	20:42	<p>Zuangtui area of Mizoram Power System was connected with the rest of NER Grid through 132 kV Melriat - Zuangtui line. 132 kV Serchip - Lunglei (Khawiva) line is kept in opened condition to avoid overloading of 132 kV Aizawl - Luangmual line.</p> <p>At 20:42 Hrs dtd 02.08.2021, 132 kV Melriat - Zuangtui line tripped. Due to tripping of this element, Zuangtui area of Mizoram Power System was separated from rest of NER Grid and subsequently collapsed due to no source in this area.</p>	0	27	GD-I
29	NER	02-Aug-21	21:49	<p>Zuangtui area of Mizoram Power System was connected with the rest of NER Grid through 132 kV Melriat - Zuangtui line. 132 kV Serchip - Lunglei (Khawiva) line is kept in opened condition to avoid overloading of 132 kV Aizawl - Luangmual line.</p> <p>At 21:49 Hrs dtd 02.08.2021, 132 kV Melriat - Zuangtui line tripped. Due to tripping of this element, Zuangtui area of Mizoram Power System was separated from rest of NER Grid and subsequently collapsed due to no source in this area.</p>	0	14	GD-I
30	NER	02-Aug-21	14:42:00	<p>Kohima and Wokha areas of Nagaland Power System was connected with the rest of NER Grid through 132 kV Karong-Kohima, 132 kV Wokha-Kohima and 132 kV Sanis-Wokha Lines. 132 kV Dimapur(PG) - Kohima Line was already tripped at 10:48 Hrs on 02.08.21 and 132 kV Kohima - Meluri Line was hand tripped due to tower on verge on collapse.</p> <p>At 14:42 Hrs on 02.08.2021, 132 kV Karong-Kohima, 132 kV Sanis-Wokha & 132 kV Kohima-Wokha Lines tripped. Due to tripping of these elements, Kohima and Wokha areas of Nagaland Power System was separated from the rest of NER Grid and subsequently collapsed due to no source in these areas.</p>	0	20	GD-I
31	NER	02-Aug-21	18:20:00	<p>Kahelipara and Kamalpur areas of Assam Power System was connected with the rest of NER Grid through 132 kV Sarusajai-Kahelipara I, 132 kV Sarusajai-Kahelipara II, 132 kV Sarusajai-Kahelipara III, 132 kV Kamalpur-Kahelipara, 132 kV Kahelipara-Narangi & 132 kV Kahelipara-Dispur lines.</p> <p>At 18:20 Hrs on 02.08.2021, Bus bar protection operated in 132 kV Kahelipara S/S and 132 kV Sarusajai-Kahelipara I, 132 kV Sarusajai-Kahelipara II, 132 kV Sarusajai-Kahelipara III, 132 kV Kamalpur-Kahelipara, 132 kV Kahelipara-Narangi & 132 kV Kahelipara-Dispur lines tripped. Due to tripping of these elements, Kahelipara and Kamalpur areas of Assam Power System was separated from the rest of NER Grid and subsequently collapsed due to no source in these areas.</p>	0	100	GD-I
32	NER	03-Aug-21	07:21	<p>Kohima and Karong areas of Nagaland and Manipur Power System was connected with the rest of NER Grid through 132 kV Yurembum-Karong & Karong Kohima line. 132 kV Dimapur-Kohima line was under faulty condition since 10:48 Hrs dtd 02.08.2021, 132 kV Kohima-Meluri line out of service since 12:47 Hrs of 13.07.2021 on the verge of tower collapse and 132 kV Kohima-Wokha line was declared faulty since 14:42 Hrs of 02.08.2021.</p> <p>At 07:21 Hrs dtd 03.08.2021, 132 kV Yurembam - Karong and 132 kV Karong-Kohima line tripped. Due to tripping of these elements, Kohima and Karong areas of Nagaland and Manipur Power System were separated from rest of NER Grid and subsequently collapsed due to no source in these areas.</p>	0	24	GD-I

33	NER	04-Aug-21	12:34	<p>Myndtu Leshka HEP of Meghalaya Power System was connected to the rest of NER Grid through 132 kV Leshka - Khliehriat D/C lines.</p> <p>At 12:34 Hrs on 04.08.2021, 132 kV Leshka - Khliehriat D/C tripped. Due to tripping of these elements, Myndtu Leshka HEP of Meghalaya Power System consisting of 2 units (Myndtu Leshka - UNIT 1 & Myndtu Leshka - UNIT 2) was separated from the rest of NER Grid and subsequently collapsed due to loss of evacuation path.</p>	84	0	GD-I
34	NER	05-Aug-21	11:36	<p>Rangia, Nalbari, Sipajhar, Kamalpur, Sishugram and part of the load of Bornagar Areas of Assam Power System were connected with the rest of NER Grid through 220 kV BTPS - Rangia 1 Line, 220 kV BTPS - Rangia 2 Line and 132 kV Motonga (Bhutan) - Rangia Line. 132 kV Nalbari-Dhaligaon line was kept under shutdown due to low loading capacity of 132 kV Nalbari-Dhaligaon line. 132 kV Rowta- Rangia Line and 132 kV Sipajhar-Rowta Line were kept under shutdown to avoid overloading of 132 kV Sonabil-Depota Line.</p> <p>At 11:36 Hrs on 05.08.2021, 220 kV BTPS - Rangia 1 Line, 220 kV BTPS - Rangia 2 Line and 132 kV Motonga (Bhutan) - Rangia Line tripped. Due to tripping of these elements, Rangia, Nalbari, Sipajhar, Kamalpur, Sishugram and part of the load of Bornagar Areas of Assam Power System were separated from the rest of NER Grid and subsequently collapsed due to no source in these areas.</p>	0	110	GD-I
35	NER	07-Aug-21	13:07	<p>Golaghat and Bokajan Areas of Assam Power System were connected with the rest of NER Grid through 132 kV Mariani (AS) - Golaghat Line. 132 kV Dimapur - Bokajan line was under emergency shutdown w.e.f 10:54 Hrs on 07.08.21.</p> <p>At 13:07 Hrs on 07.08.2021, 132 kV Mariani (AS) - Golaghat Line tripped. Due to tripping of this element, Golaghat and Bokajan Areas of Assam Power System were separated from the rest of NER Grid and subsequently collapsed due to no source in these areas.</p>	0	26	GD-I
36	NER	09-Aug-21	22:17	<p>Pasighat, Roing, Tezu and Namsai Area of Arunachal Pradesh Power System were connected to the rest of NER Grid through 132 kV Along - Pasighat Line.</p> <p>At 22:17 Hrs on 09.08.2021, 132 kV Along - Pasighat Line tripped. Due to tripping of these elements, Pasighat, Roing, Tezu and Namsai Area of Arunachal Pradesh Power System were separated from the rest of NER Grid and subsequently collapsed due to no source in these areas.</p>	0	13	GD-I
37	NER	10-Aug-21	10:35	<p>Rokhia, Monarchak, Rabindra Nagar and Udaipur Area of Tripura Power System were connected to the rest of NER Grid through 132 kV Rokhia - Agartala II Line. 132 kV Rokhia - Agartala I & 132 kV Palatana-Udaipur line were under planned shutdown.</p> <p>At 10:35 Hrs on 10.08.2021, 132 kV Rokhia - Agartala II Line tripped. Due to tripping of these elements, Rokhia, Monarchak, Rabindra Nagar and Udaipur Area of Tripura Power System were separated from the rest of NER Grid and subsequently collapsed due to load generation mismatch in these areas.</p>	103	38	GD-I
38	NER	10-Aug-21	21:34	<p>Dhaligaon, Gossaigaon, Barnagar, BRPL and Jogighopa areas of Assam Power System were connected to the rest of NER Grid through 132 kV BTPS - Dhaligaon D/C. 132 kV Gossaigaon - Gouripur line was kept opened to control overloading of 132 kV BTPS - Kokrajhar line. 132 kV Dhaligaon - Nalbari line was kept opened by Assam SLDC due to low loading capability of the line. 132 kV Barnagar Bus was segregated and loads fed radially via 132 kV Dhaligaon - Barnagar line and 132 kV Rangia - Barnagar line.</p> <p>At 21:34 Hrs on 10.08.2021, 132 kV BTPS - Dhaligaon D/C tripped. Due to tripping of these elements, Dhaligaon, Gossaigaon, Barnagar, BRPL and Jogighopa areas of Assam Power System were separated from the rest of NER Grid and subsequently collapsed due to no source in these areas.</p>	0	101	GD-I

39	NER	14-Aug-21	16:54	<p>Along,Pasighat,Roing,Tezu & Namsai Areas of Arunachal Power System was connected with the rest of NER Grid through 132 kV Daporijo-Along line.</p> <p>At 16:54 Hrs on 14.08.2021, 132 kV Daporijo-Along line tripped. Due to tripping of this element, Along and the radially connected Pasighat, Roing, Tezu & Namsai areas of Arunachal Power System were separated from the rest of NER Grid and subsequently collapsed due to no source available in these areas.</p>	0	16	GD-I
40	NER	15-Aug-21	06:45	<p>Yiangangpokpi area of Manipur Power System was connected with the rest of NER Grid through 132 kV Imphal(MN) - Yiangangpokpi D/C lines.</p> <p>At 06:45 Hrs on 15.08.2021, Imphal(MSPCL) - Yiangangpokpi D/C lines tripped . Due to tripping of these elements,Yiangangpokpi area of Manipur Power System was separated from the rest of NER Grid and subsequently collapsed due to no source in this area.</p>	0	38	GD-I
41	NER	18-Aug-21	13:00	<p>Udaipur area of Tripura Power System was connected with the rest of NER Grid through 132 kV Palatana-Udaipur Line & 132 kV Monarchak - Udaipur Line.</p> <p>At 13:00 Hrs on 18.08.2021,132 kV Palatana-Udaipur Line & 132 kV Monarchak - Udaipur Line tripped. Due to tripping of these elements, Udaipur area of Tripura Power System was separated from the rest of NER Grid and subsequently collapsed due to no source in this area.</p>	0	12	GD-I
42	NER	19-Aug-21	18:07	<p>Tenga and Khupi areas of Arunachal Pradesh Power System and Dikshi HEP was connected with the rest of NER Grid through 132 kV Balipara-Tenga Line.</p> <p>At 18:07 Hrs on 19.08.2021,132 kV Balipara-Tenga Line tripped. Due to tripping of these elements, Tenga and Khupi areas of Arunachal Pradesh Power System and Dikshi HEP were separated from the rest of NER Grid and subsequently collapsed due to no source in these areas.</p>	0	24	GD-I
43	NER	20-Aug-21	21:12	<p>Tinsukia area of Assam Power System was connected with the rest of NER Grid through 220 kV AGBPP-Tinsukhia DC, 220 kV NTPS-Tinsukhia line I, 132 kV Lakwa-Moran line & 132 kV NTPS- Bordubi Line. 220 kV NTPS-Tinsukhia II line were under forced outage since 14:53 Hrs dated 20.08.2021.</p> <p>At 21:12 Hrs on 20.08.2021,220 kV AGBPP-Tinsukhia DC, 220 kV NTPS-Tinsukhia line I,132 kV Lakwa-Moran line & 132 kV NTPS- Bordubi Line tripped. Due to tripping of these elements, Tinsukia area of Assam Power System was separated from the rest of NER Grid and subsequently collapsed due to no source in this area.</p>	0	146	GD-I
44	NER	22-Aug-21	09:32	<p>Myndtu Leshka HEP of Meghalaya Power System was connected to the rest of NER Grid through 132 kV Leshka - Khliehriat D/C lines.</p> <p>At 09:32 Hrs on 22.08.2021,132 kV Leshka - Khliehriat D/C tripped. Due to tripping of these elements,Myndtu Leshka HEP of Meghalaya Power System was separated from the rest of NER Grid and subsequently collapsed due to loss of evacuation path.</p>	125	0	GD-I

45	NER	29-Aug-21	02:39	<p>Along,Pasighat,Roing,Tezu & Namsai Areas of Arunachal Power System was connected with the rest of NER Grid through 132 kV Daporijo-Along line.</p> <p>At 02:39 Hrs on 29.08.2021, 132 kV Daporijo-Along line tripped. Due to tripping of this element, Along and the radially connected Pasighat, Roing, Tezu & Namsai areas of Arunachal Power System were separated from the rest of NER Grid and subsequently collapsed due to no source available in these areas.</p>	0	14	GD-I
46	NER	29-Aug-21	20:33	<p>Tenga and Khupi areas of Arunachal Pradesh Power System and Dikshi HEP was connected with the rest of NER Grid through 132 kV Balipara-Tenga Line.</p> <p>At 20:33 Hrs on 29.08.2021,132 kV Balipara-Tenga Line tripped. Due to tripping of this elements, Tenga and Khupi areas of Arunachal Pradesh Power System and Dikshi HEP were separated from the rest of NER Grid and subsequently collapsed due to no source in these areas.</p>	0	23	GD-I
47	NER	03-Sep-21	08:35	<p>Tenga and Khupi areas of Arunachal Pradesh Power System and Dikshi Generating Station were connected with the rest of NER Grid through 132 kV Balipara-Tenga Line.At 08:35 Hrs on 03.09.2021,132 kV Balipara-Tenga Line tripped. Due to tripping of this element, Tenga and Khupi areas of Arunachal Pradesh Power System and Dikshi Generating Station were separated from the rest of NER Grid and subsequently collapsed due to no source available in these areas.</p>	0	20	GD-I
48	NER	03-Sep-21	10:08	<p>Tenga and Khupi areas of Arunachal Pradesh Power System and Dikshi Generating Station were connected with the rest of NER Grid through 132 kV Balipara-Tenga Line.At 10:08 Hrs on 03.09.2021,132 kV Balipara-Tenga Line tripped. Due to tripping of this element, Tenga and Khupi areas of Arunachal Pradesh Power System and Dikshi Generating Station were separated from the rest of NER Grid and subsequently collapsed due to no source available in this area.</p>	0	20	GD-I
49	NER	03-Sep-21	11:37	<p>Pasighat,Roing,Tezu & Namsai Areas of Arunachal Power System were connected with the rest of NER Grid through 132 kV Along-Pasighat line.At 11:37 Hrs on 03.09.2021, 132 kV Along-Pasighat line tripped. Due to tripping of this element, Pasighat and the radially connected Roing, Tezu & Namsai areas of Arunachal Power System were separated from the rest of NER Grid and subsequently collapsed due to no source available in these areas.</p>	0	15	GD-I
50	NER	04-Sep-21	11:43	<p>Pasighat, Roing, Tezu & Namsai areas of Arunachal Pradesh Power System were connected with the rest of NER Grid through 132 kV Along-Pasighat Line.At 11:43 Hrs of 04/09/2021,132 kV Along-Pasighat Line tripped. Due to tripping of this elementPasighat, Roing, Tezu & Namsai areas of Arunachal Pradesh Power System were separated from the rest of NER Grid and subsequently collapsed due to no source available in these areas.</p>	0	12	GD-I
51	NER	05-Sep-21	02:05	<p>Monarchak and Rabindranagar areas of Tripura Power System were connected with the rest of NER Grid through 132 kV Monarchak - Rokhia line and 132 kV Monarchak - Udaipur line.At 02:05 Hrs of 05/09/2021,132 kV Monarchak - Rokhia line and 132 kV Monarchak - Udaipur line tripped. Due to tripping of these elements, Monarchak and Rabindranagar areas of Tripura Power System were separated from the rest of NER Grid and subsequently collapsed due to load generation mismatch.</p>	64	4	GD-I

52	NER	05-Sep-21	09:12	Karong area of Manipur Power System was connected with the rest of NER Grid through 132 kV Imphal (Yurembam)-Karong Line and 132 kV Karong-Kohima Line.At 09:12 Hrs of 05/09/2021,132 kV Imphal (Yurembam)-Karong Line and 132 kV Karong-Kohima Line tripped. Due to tripping of these elements, Karong area of Manipur Power System was separated from the rest of NER Grid and subsequently collapsed due to no source in this area.	0	10	GD-I
53	NER	05-Sep-21	11:14	Myntdu Leshka HEP of Meghalaya Power System was connected with the rest of NER Grid through 132 kV Myntdu Leshka - Khleihriat D/C Line.At 11:14 Hrs of 05/09/2021,132 kV Myntdu Leshka - Khleihriat D/C Line tripped.Due to tripping of these elements, Myntdu Leshka HEP of Meghalaya Power System were separated from the rest of NER Grid and subsequently collapsed due to loss of evacuation path.	18	0	GD-I
54	NER	06-Sep-21	09:56	Tenga and Khupi areas of Arunachal Pradesh Power System and DikshiHEP were connected with the rest of NER Grid through 132 kV BaliparaTenga Line.At 09:56 Hrs on 06.09.2021,132 kV Balipara-Tenga Line tripped. Due to tripping of this element, Tenga and Khupi areas of Arunachal Pradesh Power System and Dikshi HEP were separated from the rest of NERGrid and subsequently collapsed due to no source available in these areas.Power extended to Tenga S/S and Khupi S/S by charging 132 kVBalipara-Tenga line at 15:56 Hrs on 06.09.2021.	3.1	20.1	GD-I
55	NER	06-Sep-21	18:39	Lumshnong Area of Meghalaya Power System was connected to the restof NER grid through 132 kV Khliehriat(MePTCL) - Lumshnong line.132 kV Lumshnong - Panchgram line was under outage since 18:24 Hrs on 06.09.2021.At 18:39 Hrs of 06.09.2021, 132 kV Khliehriat(MePTCL) - Lumshnongline tripped. Due to tripping of this element, Lumshnong Area ofMeghalaya Power System was separated from the rest of NER Grid andsubsequently collapsed due to no source in this area.Power was extended to 132 kV Lumshlong S/S by charging 132 kVLumshnong-Panchgram line at 19:30 Hrs of 06.09.2021.	0	18	GD-I
56	NER	08-Sep-21	15:05	Rabindranagar Area and Monarchak Generating Station of Tripura Power System were connected with rest of NER grid through 132 kV Monarchak- Rokhia Line. (132kV Monarchak- Udaipur Line was under State approved S/D from 10:17 Hrs on 08.09.2021).At 15:05 Hrs, 132 kV Monarchak- Rokhia Line tripped. Due to tripping of this element, Rabindranagar Area and Monarchak Generating Station of Tripura Power System were separated from rest of NER grid and subsequently collapsed due to load generation mismatch in these areas.	60	5	GD-I

57	NER	09-Sep-21	14:42	"Myntdu Leshka HEP of Meghalaya Power System was connected with the rest of NER Grid through 132 kV Myntdu Leshka - Khleihriat D/C Line. At 14:42 Hrs of 09/09/2021, 132 kV Myntdu Leshka - Khleihriat D/C Line tripped. Due to tripping of these elements, Myntdu Leshka HEP of Meghalaya Power System were separated from the rest of NER Grid and subsequently collapsed due to loss of evacuation path. Power was extended to 132 kV Leshka Bus by charging 132 kV Khleiriat - Leshka I at 15:23 Hrs dated 09/09/2021."	123	0	GD-I
58	NER	10-Sep-21	07:45	Tenga and Khupi areas of Arunachal Pradesh Power System and Dikshi HEP were connected with the rest of NER Grid through 132 kV Balipara-Tenga Line. At 07:45 Hrs on 10.09.2021, 132 kV Balipara-Tenga Line tripped. Due to tripping of this element, Tenga and Khupi areas of Arunachal Pradesh Power System and Dikshi HEP were separated from the rest of NER Grid and subsequently collapsed due to no source available in these areas.	10	24	GD-I
59	NER	11-Sep-21	06:50	Karong area of Manipur Power System was connected with the rest of NER Grid through 132 kV Imphal (MSPCL) -Karong Line and 132 kV Karong - Kohima Line. At 06:57 Hrs on 11.09.2021, 132 kV Imphal (MSPCL) -Karong Line and 132 kV Karong - Kohima Line tripped. Due to tripping of these elements, Karong area of Manipur Power System was separated from the rest of NER Grid and subsequently collapsed due to no source available in this area.	0	14	GD-I
60	NER	11-Sep-21	11:46	Pasighat area of Arunachal Pradesh Power System was connected with the rest of NER Grid through 132 kV Along-Pasighat Line. At 11:46 Hrs on 11.09.2021, 132 kV Along-Pasighat Line tripped. Due to tripping of this element, Pasighat area of Arunachal Pradesh Power System was separated from the rest of NER Grid and subsequently collapsed due to no source available in this area.	0	15	GD-I
61	NER	12-Sep-21	12:36	Pasighat, Roing, Tezu and Namsai areas of Arunachal Pradesh Power System were connected with the rest of NER Grid through 132 kV Along-Pasighat Line. At 12:36 Hrs on 12.09.2021, 132 kV Along-Pasighat Line tripped. Due to tripping of this element, Pasighat, Roing, Tezu and Namsai areas of Arunachal Pradesh Power System were separated from the rest of NER Grid and subsequently collapsed due to no source available in these areas.	0	11	GD-I

62	NER	13-Sep-21	11:57	Ningthoukhong, Churachandpur, Thanlon and Elangkangpokpi Areas of Manipur Power System were connected with the rest of NER Grid through 132 kV Loktak-Ningthoukhong Line, 132 kV Imphal(PG)-Ningthoukhong Line, 132 kV Ningthoukhong - Churachandpur 1 Line and 132 kV Ningthoukhong - Churachandpur 2 Line. (132 kV Kakching - Churachandpur and 132 kV Kakching - Elangkangpokpi were under Shutdown to avoid over loading of 132 kV Loktak - Ningthoukhong Line)At 11:57 Hrs on 13.09.2021,132 kV Loktak-Ningthoukhong Line, 132 kV Imphal(PG)-Ningthoukhong Line, 132 kV Ningthoukhong - Churachandpur 1 Line and 132 kV Ningthoukhong - Churachandpur 2 Line tripped. Due to tripping of these elements, Ningthoukhong, Churachandpur, Thanlon and Elangkangpokpi Areas of Manipur Power System were separated from the rest of NER Grid and subsequently collapsed due to no source available in these areas.	0	18	GD I
63	NER	14-Sep-21	10:48	Tenga and Khupi areas of Arunachal Pradesh Power System were connected with the rest of NER Grid through 132 kV Balipara-Tenga Line.At 10:48 Hrs on 14.09.2021,132 kV Balipara-Tenga Line tripped. Due to tripping of this element, Tenga and Khupi areas of Arunachal Pradesh Power System were separated from the rest of NER Grid and subsequently collapsed due to load-generation mismatch in these areas.	10	22	GD I
64	NER	14-Sep-21	11:28	Tenga and Khupi areas of Arunachal Pradesh Power System were connected with the rest of NER Grid through 132 kV Balipara-Tenga Line.At 11:28 Hrs on 14.09.2021,132 kV Balipara-Tenga Line tripped. Due to tripping of this element, Tenga and Khupi areas of Arunachal Pradesh Power System were separated from the rest of NER Grid and subsequently collapsed due to load-generation mismatch in these areas.	10	14	GD I
65	NER	15-Sep-21	11:30	Kohima area of Nagaland Power System was connected with the rest of NER Grid through 132 kV Karong-Kohima, 132 kV Kohima-Wokha and 132 kV Kohima-Dimapur(PG) lines (132 kV Kohima-Meluri line was hand tripped by Nagaland due to Tower on verge of collapse)At 11:30 Hrs on 15.09.2021,132 kV Karong-Kohima, 132 kV Kohima-Wokha and 132 kV Kohima-Dimapur(PG) lines tripped . Due to tripping of these elements, Kohima area of Nagaland Power System was separated from the rest of NER Grid and subsequently collapsed due to no source available in these areas.	0	16	GD-I
66	NER	15-Sep-21	19:28	Dimapur area of Nagaland Power System was connected with the rest of NER Grid through 132 kV Dimapur(PG) - Dimapur(Nagaland)-I & 132 kV Dimapur(PG) - Dimapur(Nagaland)-II lines. At 19:27 Hrs on 15-09-21, 132 kV Dimapur(PG) - Dimapur(Nagaland)-II tripped.At 19:28 Hrs on 15-09-21, 132 kV Dimapur(PG) - Dimapur (Nagaland)-I tripped. Due to tripping of this elements, Dimapur area of Nagaland Power System was separated from the rest of NER Grid and subsequently collapsed due to no source available in these areas.	0	81	GD-I

67	NER	16-Sep-21	14:10	<p>Margherita and Rupai areas of Assam Power System were connected with the rest of NER Grid through 220/132 kV ICT 1 & 2 at Tinsukia, 132 kV Tinsukia-Bordubi line and 132 kV Tinsukia-Dibrugarh line. At 14:10 Hrs on 16.09.2021, 220/132 kV ICT 1 & 2 at Tinsukia, 132 kV Tinsukia-Bordubi line and 132 kV Tinsukia-Dibrugarh line tripped. Due to tripping of these elements, Margherita and Rupai areas of Assam Power System were separated from the rest of NER Grid and subsequently collapsed due to no source in these areas.</p> <p>Power was extended to 132 kV Rupai and 132 kV Margherita S/S by charging 132 kV Rupai-Tinsukia line at 14:19 Hrs and 132 kV Margherita-Tinsukia line at 14:26 Hrs on 16.09.21 respectively.</p>	0	97	GD-I
68	NER	18-Sep-21	10:37	<p>132 kV Mokokchung (DoP, Nagaland) area of Nagaland Power System was connected to the rest of NER Grid through 132 kV Mokokchung(PG)-Mokokchung(DoP, Nagaland) D/C Lines and 132 kV Doyang-Mokokchung (DoP, Nagaland) Line. At 10:37 Hrs on 18.09.2021, 132 kV Doyang-Mokokchung (DoP, Nagaland) Line and 132 kV Mokokchung(PG)-Mokokchung(DoP, Nagaland) D/C Lines tripped. Due to tripping of these elements, 132 kV Mokokchung (DoP, Nagaland) area of Nagaland Power System was separated from the rest of NER Grid and subsequently collapsed due to no source in the area.</p>	0	23	GD-I
69	NER	20-Sep-21	13:31	<p>Ningthoukhong, Churachandpur, Thanlon and Elangkangpokpi Areas of Manipur Power System were connected with the rest of NER Grid through 132 kV Loktak-Ningthoukhong Line & 132 kV Imphal(PG)-Ningthoukhong Line (132 kV Kakching - Churachandpur and 132 kV Kakching - Elangkangpokpi) were under Shutdown to avoid over loading of 132 kV Loktak - Ningthoukhong Line) At 13:31 Hrs on 20.09.2021, 132 kV Loktak-Ningthoukhong Line & 132 kV Imphal(PG)-Ningthoukhong Line tripped. Due to tripping of these elements, Ningthoukhong, Churachandpur, Thanlon and Elangkangpokpi Areas of Manipur Power System were separated from the rest of NER Grid and subsequently collapsed due to no source available in these areas.</p>	0	21	GD-I
70	NER	22-Sep-21	12:39	<p>Monarchak Power Station and Rabindranagar area of Tripura Power System were connected with the rest of NER Grid through 132 kV Monarchak - Rokhia line. 132kV Monarchak-Udaipur line was under Shutdown. At 12:39 Hrs on 22.09.2021, 132 kV Monarchak - Rokhia line tripped. Due to tripping of this element, Monarchak Power Station and Rabindranagar area of Tripura Power System were separated from the rest of NER Grid and subsequently collapsed due to load generation mismatch in this area.</p>	64	3	GD-I
71	NER	24-Sep-21	14:52	<p>Kameng HEP of Arunachal Pradesh Power System was connected with the rest of NER Grid through 400 kV Balipara - Kameng II Line. 400 kV Balipara - Kameng I Line was under outage since 12:30 Hrs of 24.09.21 for infringement clearance between location 53-54. At 14:52 Hrs on 24.09.2021, 400 kV Balipara - Kameng II Line tripped. Due to tripping of this element, Kameng HEP of Arunachal Pradesh Power System was separated from rest of NER Grid and subsequently collapsed due to load generation mismatch. Power was extended to Kameng HEP by charging 400 kV Balipara - Kameng II Line at 17:46 Hrs.</p>	300	0	GD-I

72	NER	26-Sep-21	10:13	Karong area of Manipur Power System was connected with the rest of NER Grid through 132 kV Imphal (Yurembam)-Karong & 132 kV Karong-Kohima lines.At 10:13 Hrs on 26.09.2021, 132 kV Imphal (Yurembam)-Karong & 132 kV Karong-Kohima lines tripped. Due to tripping of these elements, Karong area of Manipur Power System was separated from rest of NER Grid and subsequently collapsed due to no source available in the area.	0	12	GD-I
73	NER	26-Sep-21	16:15	Karong area of Manipur Power System was connected with the rest of NER Grid through 132 kV Imphal (Yurembam)-Karong & 132 kV Karong-Kohima lines.At 16:15 Hrs on 26.09.2021, 132 kV Imphal (Yurembam)-Karong & 132 kV Karong-Kohima lines tripped. Due to tripping of these elements, Karong area of Manipur Power System was separated from rest of NER Grid and subsequently collapsed due to no source available in the area.	0	11	GD-I
74	NER	27-Sep-21	12:48	Pasighat, Roing, Tezu and Namsai areas of Arunachal Pradesh Power System were connected with the rest of NER Grid through 132 kV Along-Pasighat Line.At 12:48 Hrs on 27.09.2021,132 kV Along-Pasighat Line tripped. Due to tripping of this element,Pasighat, Roing, Tezu and Namsai areas of Arunachal Pradesh Power System were separated from the rest of NER Grid and subsequently collapsed due to no source available in these areas.	0	17	GD-I
75	NER	27-Sep-21	16:42	Dharmanagar area of Tripura Power System was connected with the rest of NER Grid through 132 kV Dharmanagar-PK Bari Line. (132 kV Dharmanagar - Dullavchera Line was under planned shutdown from 09:00 Hrs on 27.09.2021).At 16:42 Hrs on 26.09.2021, 132 kV Dharmanagar-PK Bari Line tripped. Due to tripping of this element, Dharmanagar area of Tripura Power System was separated from rest of NER Grid and subsequently collapsed due to no source available in the area.	0	10	GD-I
76	NER	28-Sep-21	08:52	Pasighat, Roing, Tezu and Namsai areas of Arunachal Pradesh Power System were connected with the rest of NER Grid through 132 kV Along-Pasighat Line.At 08:52 Hrs on 28.09.2021,132 kV Along-Pasighat Line tripped. Due to tripping of this element,Pasighat, Roing, Tezu and Namsai areas of Arunachal Pradesh Power System were separated from the rest of NER Grid and subsequently collapsed due to no source available in these areas.	0	10	GD-I

77	NER	28-Sep-21	13:23	<p>Kohima area of Nagaland & Karong area of Manipur Power System were connected with the rest of NER Grid through 132 kV Imphal (Yurembam)-Karong, 132 kV Kohima-Wokha & 132 kV Dimapur(PG)-Kohima lines.(132 kV Kohima-Meluri line was under shutdown due to tower on the verge of collapse)At 13:32 Hrs on 28.09.2021, 132 kV Imphal (Yurembam)-Karong, 132 kV Karong-Kohima, 132 kV Kohima-Wokha & 132 kV Dimapur(PG)-Kohima lines tripped. Due to tripping of these elements, Kohima & Karong area of Nagaland & Manipur Power System respectively were separated from rest of NER Grid and subsequently collapsed due to no source available in the area.</p>	0	23	GD-I
78	NER	28-Sep-21	17:16	<p>Mokokchung (DoP, Nagaland) area of Nagaland Power System was connected to the rest of NER Grid through 132 kV Mokokchung(PG)-Mokokchung(DoP, Nagaland) D/C Lines and 132 kV Doyang-Mokokchung (DoP, Nagaland) Line.At 17:16 Hrs on 28.09.2021, 132 kV Doyang-Mokokchung (DoP, Nagaland) Line and 132 kV Mokokchung(PG)-Mokokchung(DoP, Nagaland) D/C Lines tripped. Due to tripping of these elements, 132 kV Mokokchung (DoP, Nagaland) area of Nagaland Power System was separated from the rest of NER Grid and subsequently collapsed due to no source in the area.</p>	21	26	GD-I

B. Grid Incidence

Sl No	Region	Outage		Event	Generation Loss(MW)	Load Loss(MW)	Category as per CEA Grid Standards
		Date	Time				
1	NER	05-07-2021 00:00	17:36:00	Kameng Unit 2 tripped at 17:36 hours on 05-07-21 due to Excitation Control Relay Malfunction. Revision done from Block No. 81 on 05-07-21.	115	0	GI-II
2	NER	12-07-2021 00:00	13:05:00	Khandong Unit 2 tripped at 13:05 hours on 12-07-21 due to rotor earth fault. Revision done from Block No. 61 on 12-07-21.	25	0	GI-II
3	NER	21-07-2021 00:00	00:38:00	Palatana ST-II & Palatana GT-II tripped at 00:38 hours on 21-07-21 due to operation of over current protection in auxiliary transformer. Revision done from Block No. 9 on 21-07-21.	338	0	GI-II
4	NER	21-07-2021 00:00	14:56	Kameng Unit 3 tripped at 14:56 hours on 21-07-21 due to operation of GT PRV. Revision done from Block No. 67 on 21-07-21.	128	0	GI-II
5	NER	29-07-2021 00:00	16:14:00	Kameng unit 4 tripped at 16:14 hours on 29-07-21 due to Rotor E/F. Revision done from Block No. 73 on 29-07-21.	152	0	GI-II
6	NER	11-Aug-21	02:01	Kameng unit 2 tripped at 02:01 hours on 11-08-21 due to master trip relay malfunction. Revision done from Block No. 15 on 11-08-21.	150	0	GI-II
7	NER	20-Aug-21	14:53	AGBPP unit 8 tripped at 14:53 hours on 20-08-21 due to voltage oscillation. Revision done from Block No. 67 on 20-08-21.	23	0	GI-II
8	NER	24-Aug-21	15:53	Palatana GTG 1 & STG 1 tripped at 15:53 hours on 24-08-21 due to tripping of lube oil pump of GTG-I. Revision done from Block No. 71 on 24-08-21.	312	0	GI-II
9	NER	24-Aug-21	22:17	Palatana STG 1 tripped at 22:17 hours on 24-08-21 due to Cashing Temperature Difference. Revision done from Block No. 1 on 25-08-21.	83	0	GI-II
10	NER	02-Sep-21	16:12	BgTPP Unit 2 tripped at 16:12 hours on 02-09-21 due to Air Pre-Heater Gear Box damage. Revision done from Block No. 73 on 02-09-21.	231	0	GI 2
11	NER	04-Sep-21	05:11	BGTPP Unit 3 tripped at 05:11 hours on 04-09-21 due to flame failure. Revision done from Block No. 27 on 04-09-21.	50	0	GI 2
12	NER	04-Sep-21	16:20	Khandong Unit 1 & 2 tripped at 16:20 hours on 04-09-21 due to high thrust bearing temperature. Revision done from Block No. 73 on 04-09-21.	26	0	GI 1
13	NER	11-Sep-21	13:15	AGBPP Unit 7 tripped at 13:15 hours on 11-09-21 due to Exhaust pressure high. Revision done from Block No. 61 on 11-09-21.	10	0	GI 2
14	NER	22-Sep-21	06:35	AGBPP Unit 4 tripped at 06:35 hours on 22-09-21 due to tripping of gas Compressor 4. Revision done from Block No. 33 on 22-09-21.	29	0	GI 2
15	NER	23-Sep-21	05:25	BgTPP Unit 3 tripped at 05:25 hours on 23-09-21 due to Combustion problem. Revision done from Block No. 29 on 23-09-21.	110	0	GI 2
16	NER	23-Sep-21	12:22	BgTPP Unit 1 tripped at 12:22 hours on 23-09-21 due to flame failure. Revision done from Block No. 57 on 23-09-21.	94	0	GI 2

7. High Voltage

The following lines were opened to maintain voltage profile of 400 kV Bus(s) at Misa, Balipara, Bongaigaon, Biswanath Chariali & Ranganadi within IEGC band:-

NIL

8. Lines/ICTs opened to control overloading :

a	132 kV Imphal-Ningthoukhong
b	132 kV Kamalpur – Ambassa line
c	132kV Nirjuli-Gohpur Line
d	132 kV Umtru – Kahilipara D/C and 132 kV Umtru Sarusajai D/C
e	400/132 kV Surajmaninagar (Sterlite)- ICT I or II
f	400/132 kV PK Bari (Sterlite)- ICT I or II

9. Transmission lines under long outage :

a	132kV Jiribam – Rengpang
b	132 kV Panchgram-Srikona line (out since 14.01.2019).
c	132 kV Mariani – Mokokchung (out since Julil'2008)

10. Transformers/ICTs/Reactor under long outage :

a	420 kV, 63 MVAR Bus Reactor at Byrnihat
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11. Transmission line constraint :

a	220 kV BTPS-Salakati I & II lines(POWERGRID)
b	132 kV Biswanath Chariali (PG) – Biswanath Chariali (Pavoi) (AEGCL) I & II lines (PowerGrid)

12. Transformation Constraints :

Transformation capacity at the following location is inadequate as these transformers were overloaded frequently during peak hours:-

a	220/132 kV, 160 MVA ICT at Kopili
b	220/132 kV, 100 MVA ICT at Rangia

13.'N-1 criterion not satisfied for the following Transformers :

a	220/132 kV, 160 MVA ICT at Kopili
b	220/132 kV, 100 MVA ICT at Rangia

14. Generation Constraints

Major Generation outage :

Sl No	Name of Power Station	Unit No	Rating in MW	Owner	Outage		Restoration		Reason/Remarks
					Date	Time (Hrs)	Date	Time (Hrs)	
1	AGBPP	4	33.50	NEEPCO	29/Sep/2021	12:44	02/Oct/2021	05:17	High Vibration
2	Monarchak(Thermal)	2	35.58	NEEPCO	15/Sep/2021	12:09	17/Sep/2021	03:20	Loss of Evacuation Path
3	AGBPP	2	33.50	NEEPCO	11/Sep/2021	10:44	29/Sep/2021	14:01	Fire alarm
4	BGTTP	2	250.00	NTPC	02/Sep/2021	16:12	04/Sep/2021	05:05	Boiler side heat exchanger.
5	Monarchak(Thermal)	2	35.58	NEEPCO	25/Jul/2021	07:30	04/Aug/2021	19:54	Tripped on Over-frequency

15. Generation Capacity Addition :

During Jul'21-Sep'21

Sl No	पावर स्टेशन का नाम / Name of Power Station	यूनिट संख्या / Unit No	मेगावाट क्षमता / Capacity in MW	Owner / स्वामी	चालू तिथि / Commissioning Date
1	Solar Power Plant at Samaguri, Nagaon, Assam connected at 33 kV	-	15	M/s Azure Power Forty Pvt. Ltd	Successfully charged at 16:10 hrs on 23.08.2021

16. Transmission/Transformation/Reactive Capacity Addition :

During Jul-Sep'21

Sl. No.	तत्व का नाम / Name of Element	केवी में वोल्टेज स्तर / Voltage level in kV	उपयोगिता / Utility	चार्ज करने की तारीख / Charging date
1	400 kV Palatana - SM Nagar(TSECL)	132	POWERGRID	01.07.21
2	220/132 kV, 160 MVA ICT 2 at BTPS S/s	220/132	AEGCL	10.07.21
3	400 kV Palatana - SM Nagar(ISTS) Line 1	400	POWERGRID	11.07.21
4	Main Bus I at Jiribam(GIS)	132	POWERGRID	27.07.21
5	Main Bus II at Jiribam(GIS)	132	POWERGRID	27.07.21
6	132/33 kV, 25 MVA ICT 2 at Pailapool S/s	132/33	AEGCL	29.07.21
7	220/132 kV, 160 MVA ICT 2 at Agia S/s	220/132	AEGCL	31.07.21
8	Haflong (PG) GIS Bus 1 & 2	132	POWERGRID	18.08.21
9	LILO of 132 kV Agartala – Dhalabil line at 132/33 kV Mohanpur SS	132	TSECL	26.08.21

10	220/132 kV 100 MVA Transformer 1 at Namrup GSS	220/132	AEGCL	28.08.21
11	132/133 kV 31.5 MVA Transformer 1 at Chapakhowa	132/33	AEGCL	30.08.21
12	132/33 kV Rupai – Chapakhowa line	132/33	AEGCL	30.08.21
13	132/33 kV, 16 MVA transformer 1 at Panchgram	132/33	AEGCL	06.09.2021
14	132/33 kV, 31.5 MVA transformer 1 & 2 at Mohanpur	132/33	TSECL	09.09.2021
15	33/11 kV, 10 MVA transformer 1 at Mohanpur	33/11	TSECL	09.09.2021
16	132/33 kV, 3 MVA transformer 1 at Khandong	132/33	NEEPCO	10.09.2021
17	132 kV Rupai-Ledo Line 1	132	AEGCL	16.09.2021