



ग्रिड कंट्रोलर ऑफ इंडिया लिमिटेड  
(भारत सरकार का उद्यम)  
**GRID CONTROLLER OF INDIA LIMITED**  
(A Government of India Enterprise)

[formerly Power System Operation Corporation Limited (POSOCO)]

राष्ट्रीय भार प्रेषण केंद्र / National Load Despatch Centre

कार्यालय : बी-9, प्रथम एवं द्वितीय तल, कुतुब इंस्टीट्यूशनल एरिया, कटवारिया सराय, नई दिल्ली - 110016

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संदर्भ संख्या:- GRID-INDIA/NLDC/MR/ दिनांक: 25.08.2025

सेवा में,

वितरण सूची के अनुसार

विषय:- निष्पादन रिपोर्ट – जुलाई 2025

महोदय,

आई०ई०जी०सी०-2023 की धारा-38 के अनुपालन में, जुलाई 2025 माह की अखिल भारतीय प्रणाली की निष्पादन रिपोर्ट संलग्न है।

धन्यवाद

भवदीय

26/8/2025

एस.सी. डंभारे

मुख्य महाप्रबन्धक

प्रणाली प्रचालन, रा.भा.प्रे.के.

संलग्नक: मासिक प्रणाली रिपोर्ट

## वितरण सूची

### Distribution List

- 1 सचिव, के.वि.नि.आ. तीसरा एवं चौथा तल, चंद्रलोक भवन, 36, जनपथ, नई दिल्ली-110001  
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- 2 मुख्य अभियंता (जी एम), के.वि.प्रा., सेवा भवन, आर. के. पुरम, नई दिल्ली-110066  
Chief Engineer (GM), CEA, Sewa Bhavan, R.K.Puram, New Delhi-110066
- 3 सदस्य सचिव, उ. क्षे. वि. स., 18/ए, शहीद जीत सिंह सनसनवाल मार्ग, नई दिल्ली - 110016  
Member Secretary, NRPC, 18/A, SJSS Marg, Katwaria Sarai, New Delhi-110016
- 4 सदस्य सचिव, प. क्षे. वि. स., एफ-3, एम आई डी सी क्षेत्र, अंधेरी (पूर्व), मुंबई - 400093  
Member Secretary, WRPC, F-3, MIDC Area, Andheri (East), Mumbai-400093
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Member Secretary, SRPC, 29, Race Course Cross Road, Bangalore-560009
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Member Secretary, ERPC, 14, Golf Club Road, Kolkata-700033
- 7 सदस्य सचिव, उ. पू. क्षे. वि. स., मेघालय राज्य आवासीय वित्त सहकारी समिति लिमिटेड भवन, नोग्रिम हिल्स, शिलोंग - 793003  
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Chief Engineer, National Power Committee, NRPC Building, 3rd floor, 18/A, SJSS Marg, Katwaria Sarai, New Delhi-110016
- 9 कार्यपालक निदेशक, पू. क्षे. भा. प्रे. के., 14, गोल्फ क्लब रोड, कोलकाता - 700033  
Executive Director, ERLDC, 14, Golf Club Road, Kolkata-700033
- 10 कार्यपालक निदेशक, प. क्षे. भा. प्रे. के., एफ-3, एम आई डी सी क्षेत्र, अंधेरी (पूर्व), मुंबई - 400093  
Executive Director, WRLDC, F-3, MIDC Area, Andheri (East), Mumbai-400093
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Executive Director, NERLDC, Dongtien, Lower Nongrah, Laplang, Shillong-793006



ग्रिड-इंडिया  
GRID-INDIA

# मासिक प्रचालन रिपोर्ट MONTHLY OPERATIONAL REPORT

राष्ट्रीय भार प्रेषण केन्द्र  
NATIONAL LOAD DESPATCH CENTRE

JULY-2025

GRID CONTROLLER OF INDIA LIMITED  
ग्रिड कंट्रोलर ऑफ इंडिया लिमिटेड

[grid-india.in](http://grid-india.in)

ग्रिड कंट्रोलर ऑफ इंडिया लिमिटेड  
राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली

## GRID CONTROLLER OF INDIA LIMITED

Formerly Power System Operation Corporation Limited

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



ग्रिड-इंडिया  
**GRID-INDIA**

माह जुलाई 2025 के लिए प्रचालन निष्पादन रिपोर्ट

OPERATIONAL PERFORMANCE REPORT FOR THE  
MONTH OF JULY-2025

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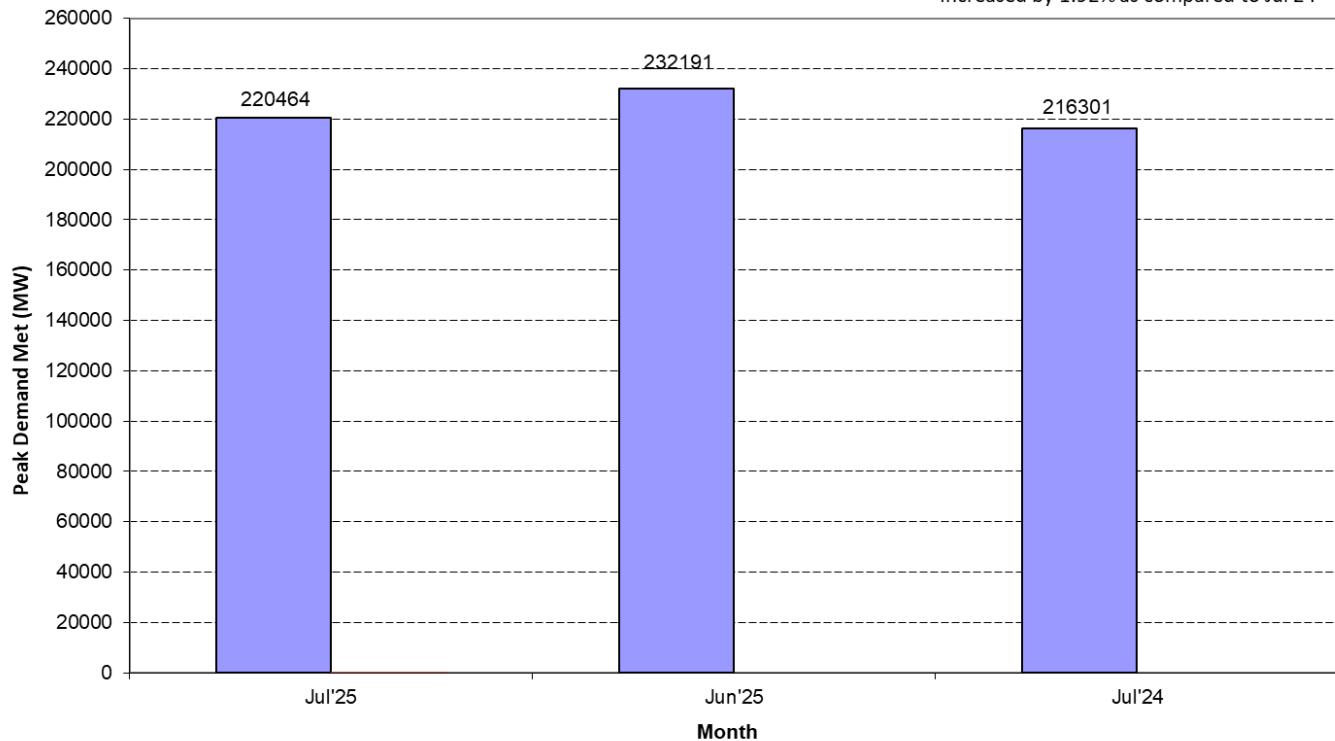
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## 1. SUMMARY OF REPORT FOR THE MONTH OF JULY-2025

EVENING PEAK HOUR (at 2000hrs) DEMAND MET AT NATIONAL LEVEL (MW)

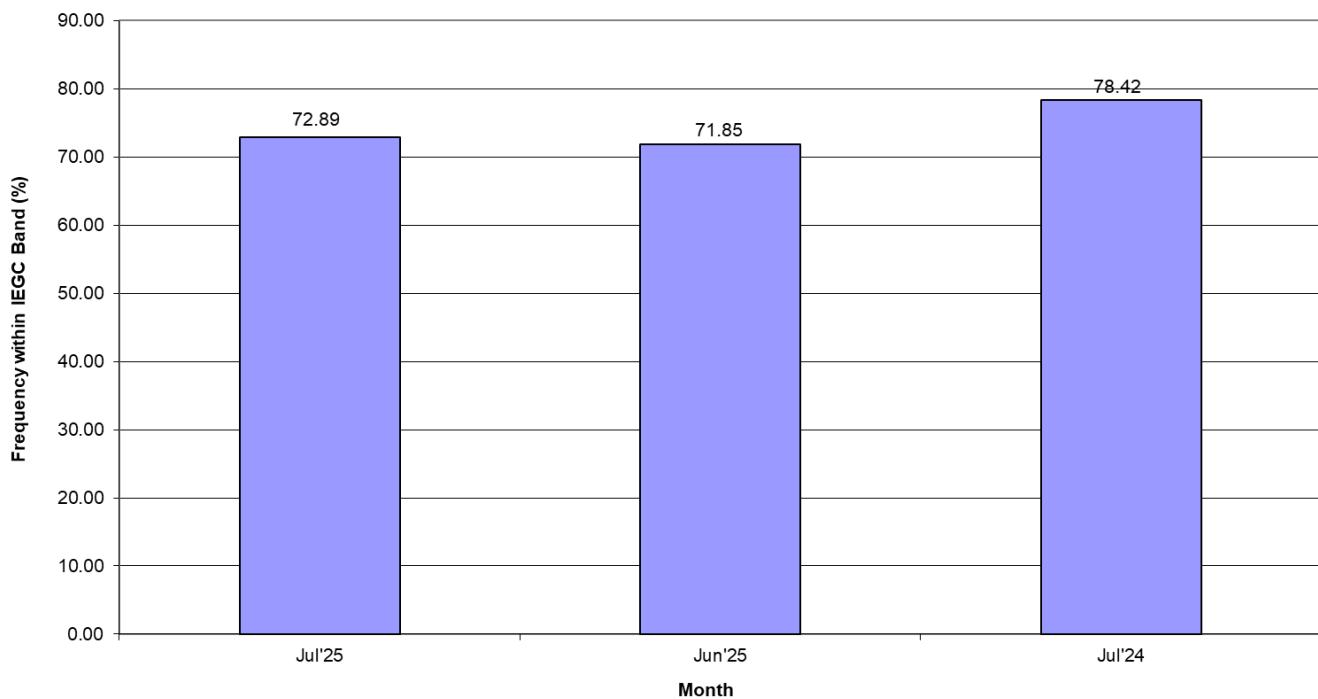
Decreased by 5.05% as compared to Jun'25

Increased by 1.92% as compared to Jul'24

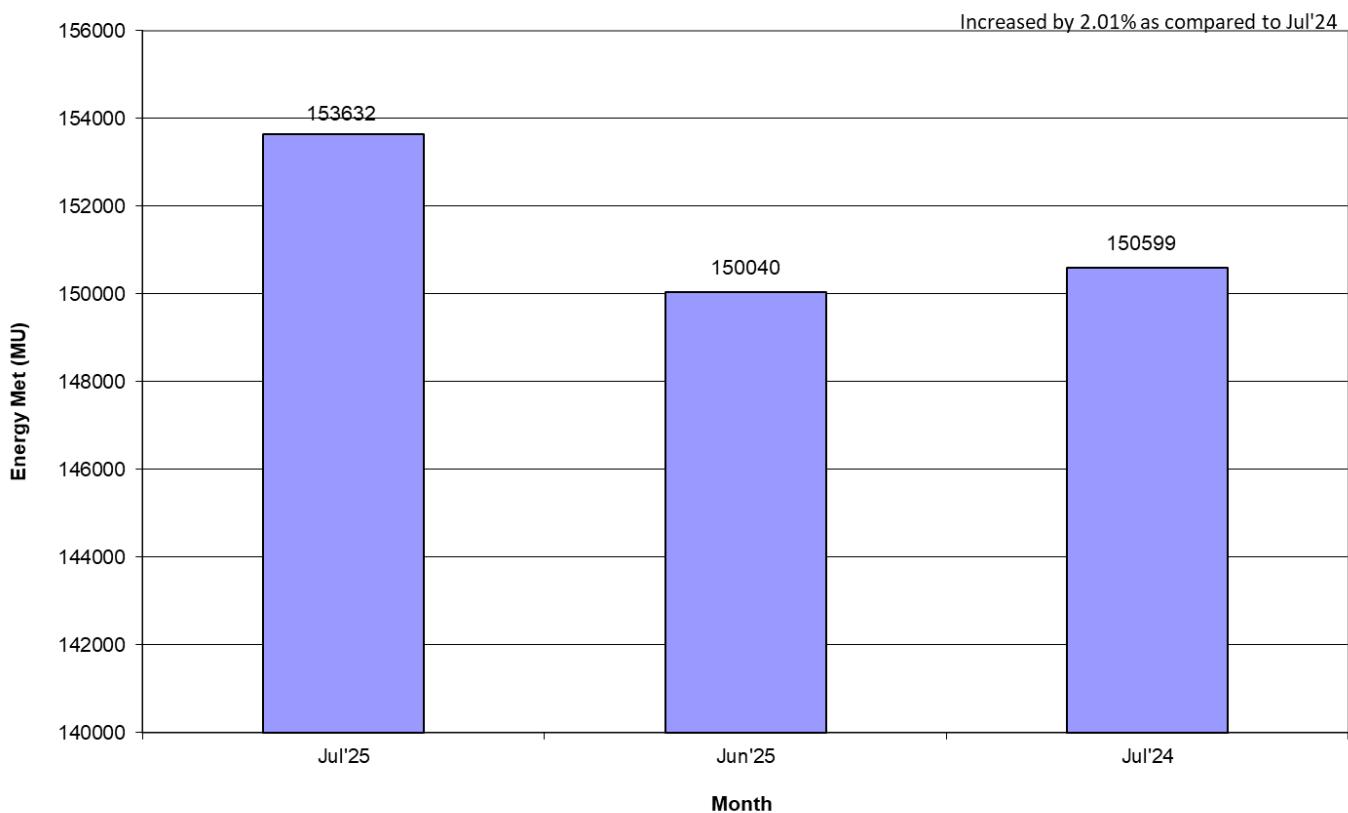


\*Source: As per daily data furnished by states

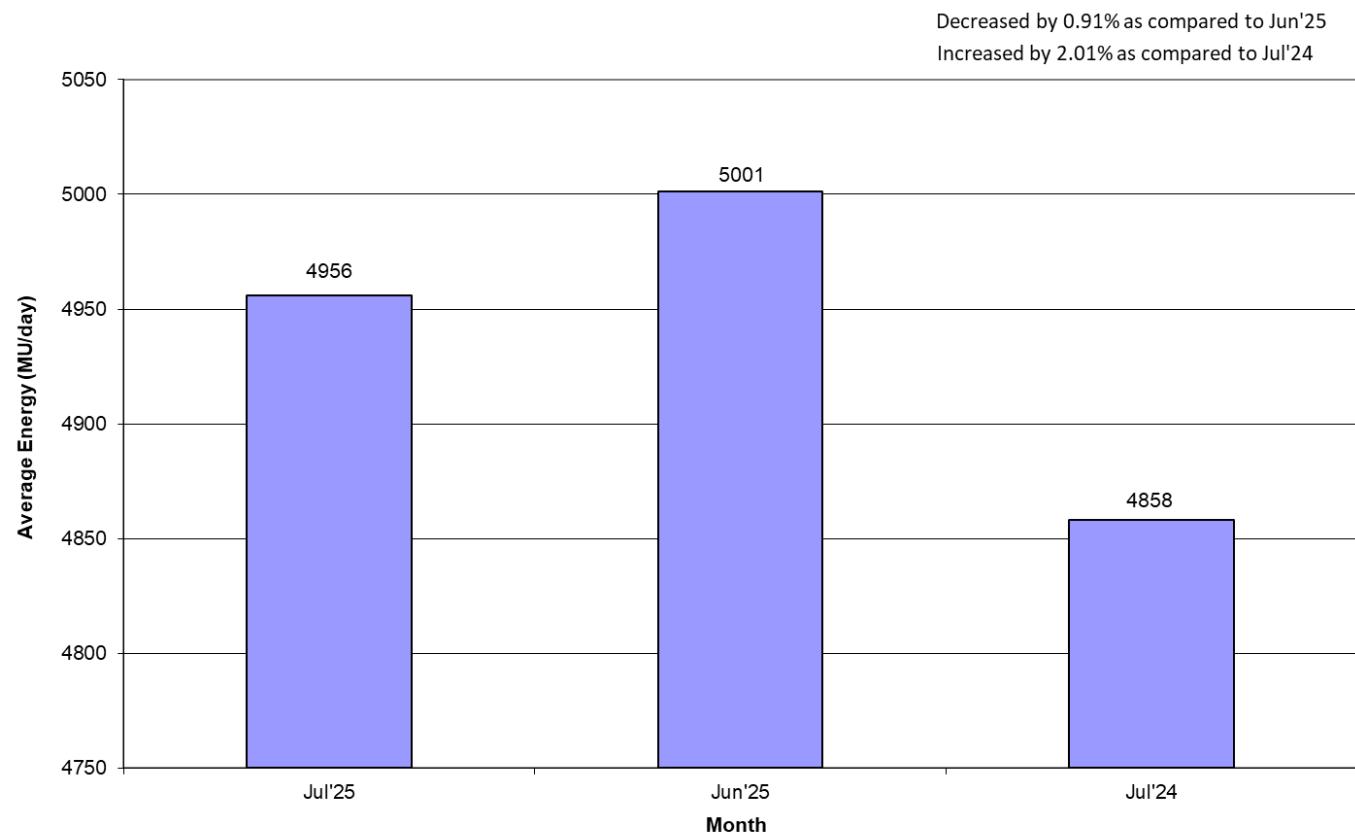
Frequency within IEGC Band



#### ENERGY MET AT NATIONAL LEVEL (MU)

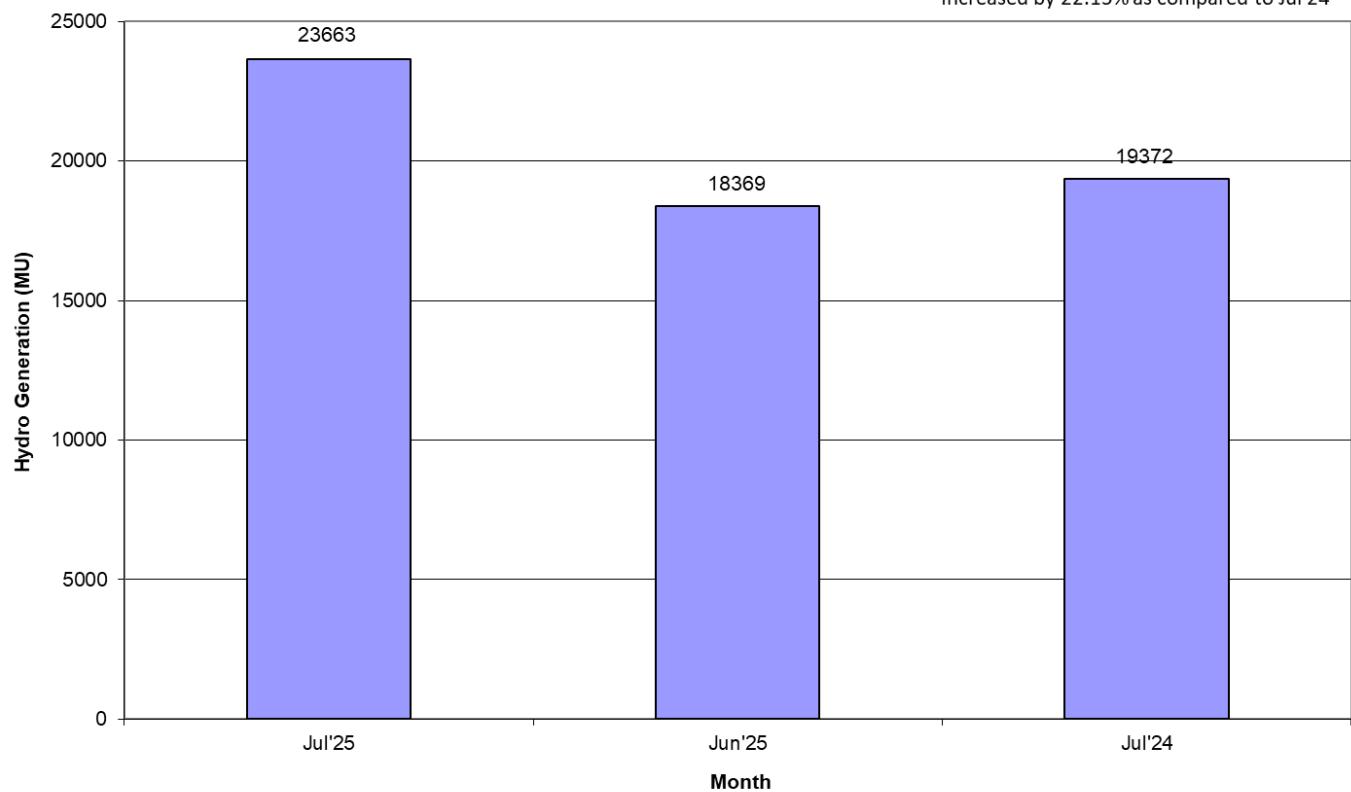


#### AVERAGE ENERGY MET AT NATIONAL LEVEL (MU/Day)



#### HYDRO GENERATION AT NATIONAL LEVEL (MU)

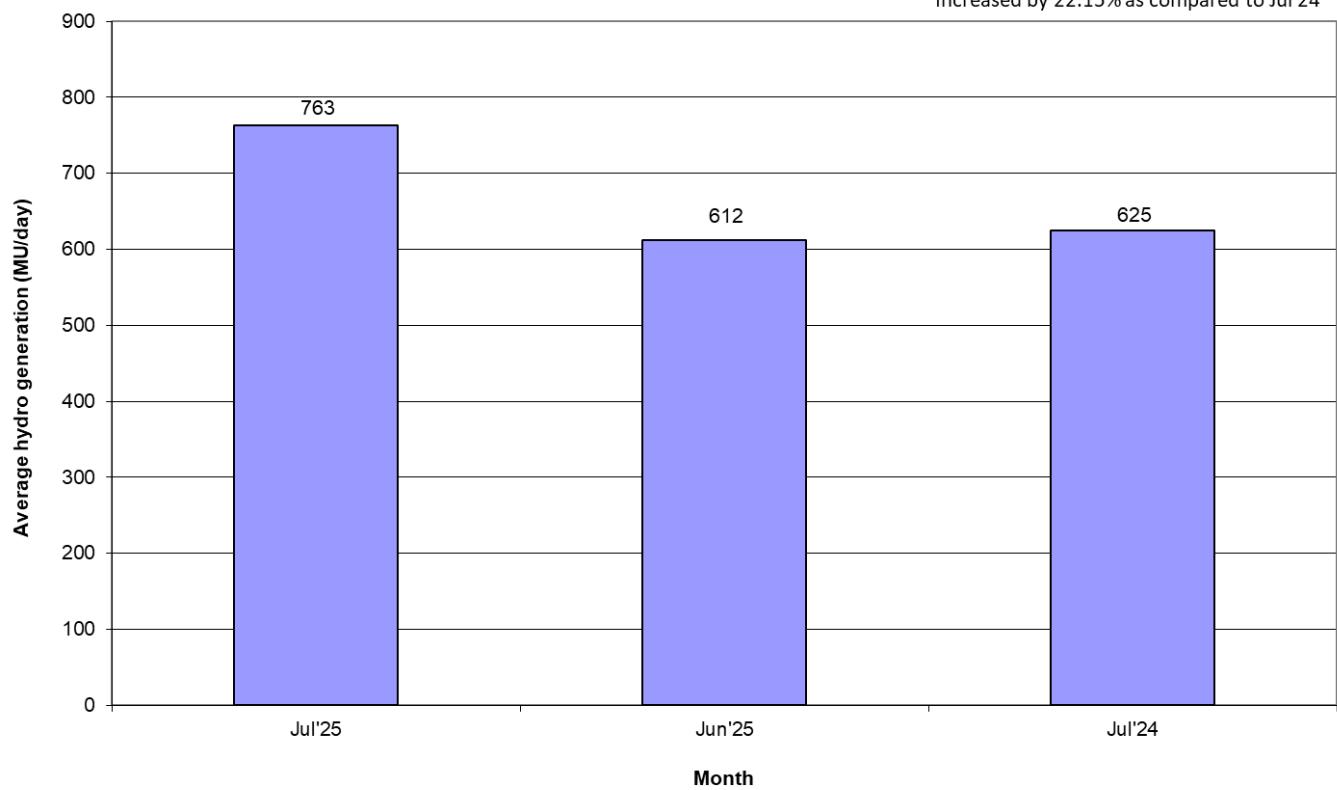
Increased by 22.15% as compared to Jul'24



#### AVERAGE HYDRO GENERATION AT NATIONAL LEVEL (MU/Day)

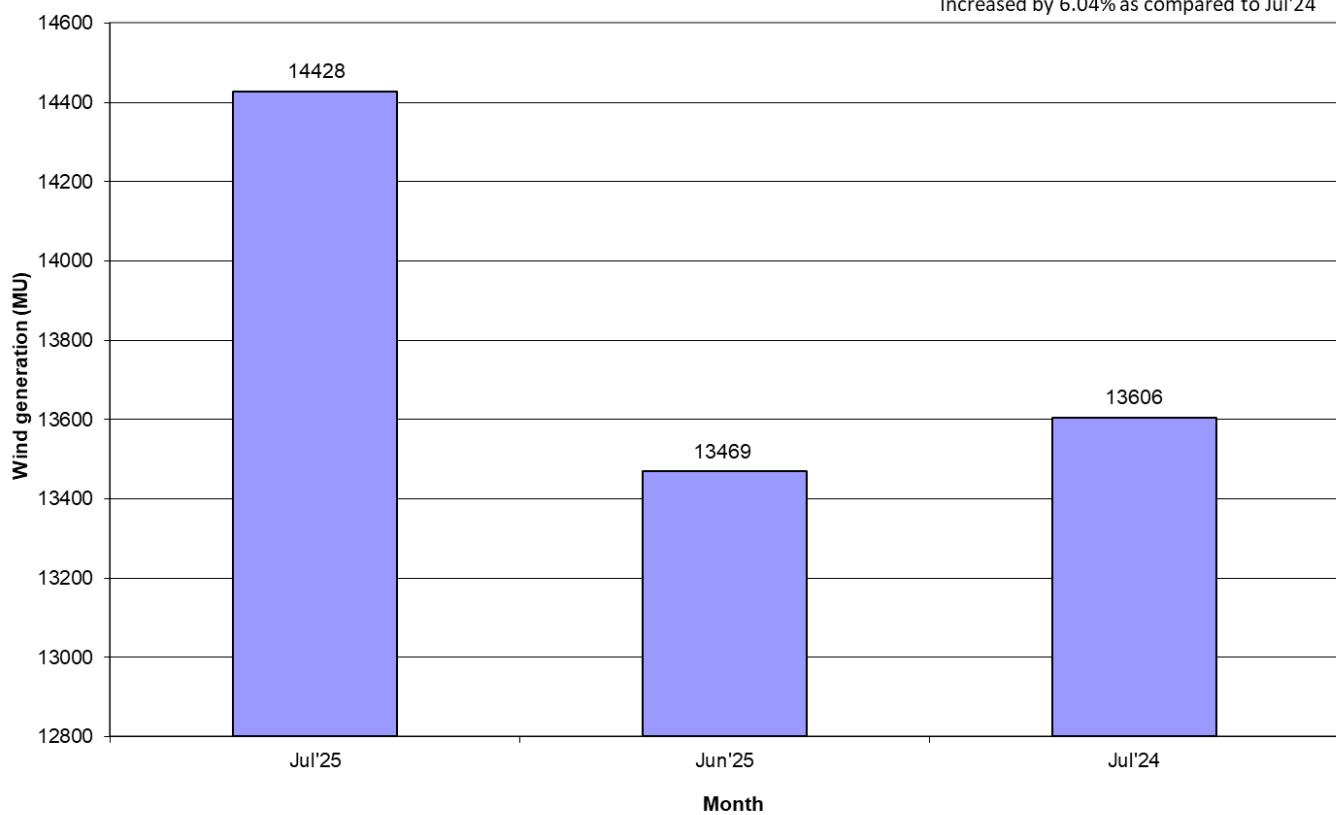
Increased by 24.66% as compared to Jun'25

Increased by 22.15% as compared to Jul'24



#### WIND GENERATION AT NATIONAL LEVEL (MU)

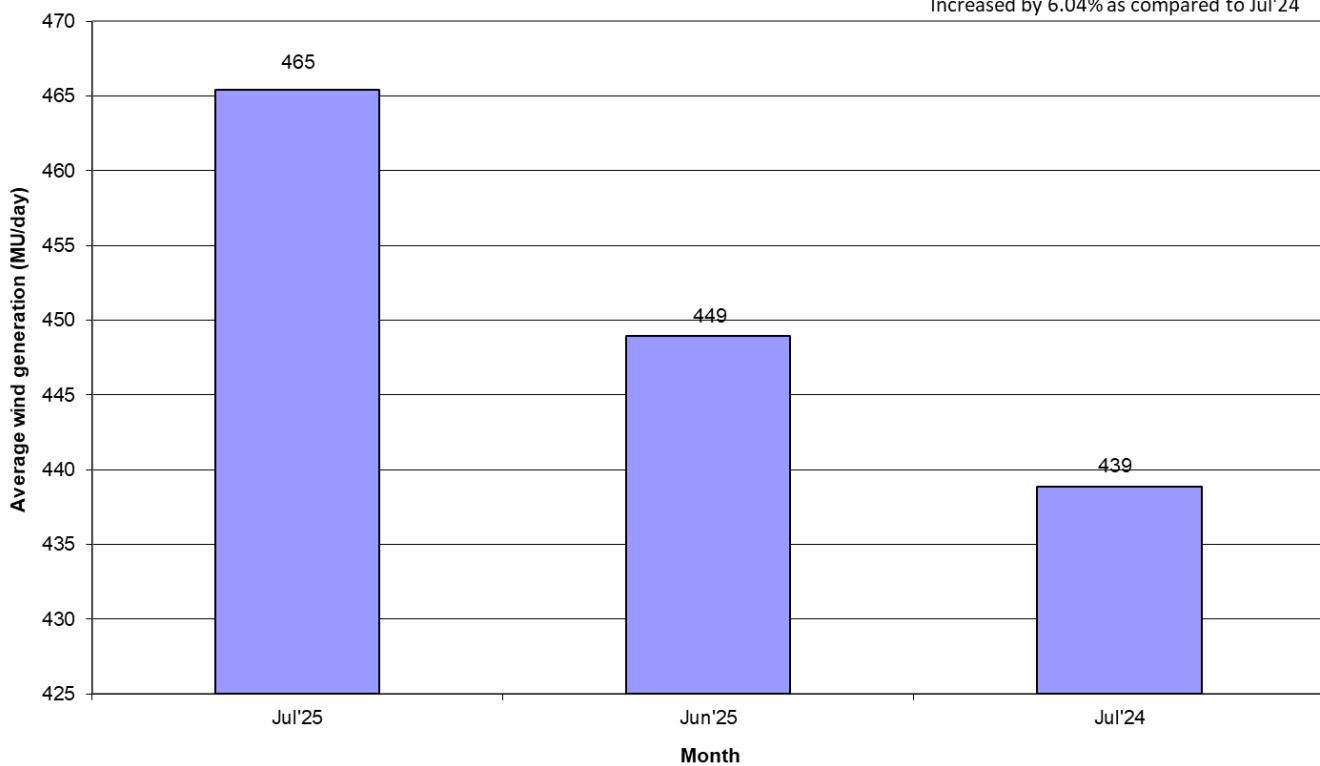
Increased by 6.04% as compared to Jul'24



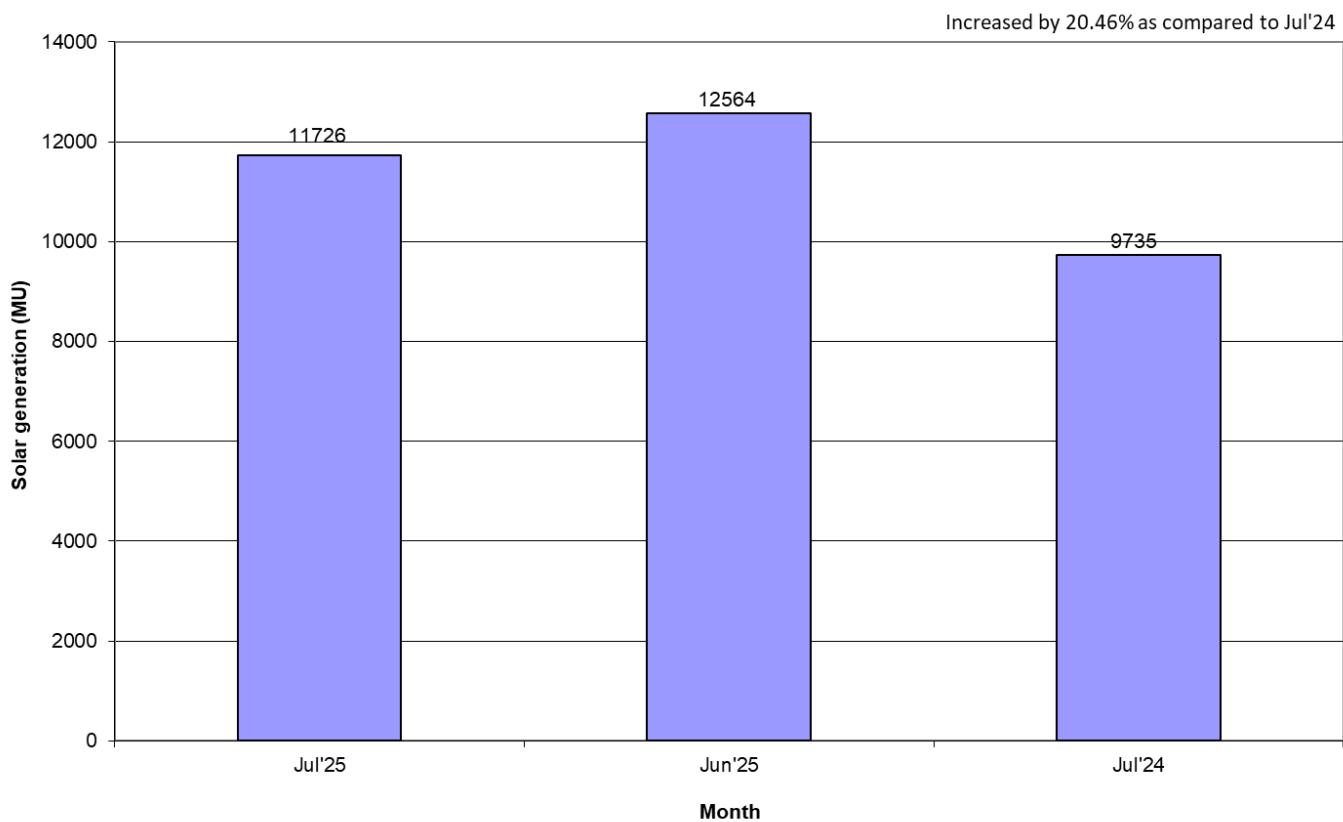
#### AVERAGE WIND GENERATION AT NATIONAL LEVEL (MU/Day)

Increased by 3.66% as compared to Jun'25

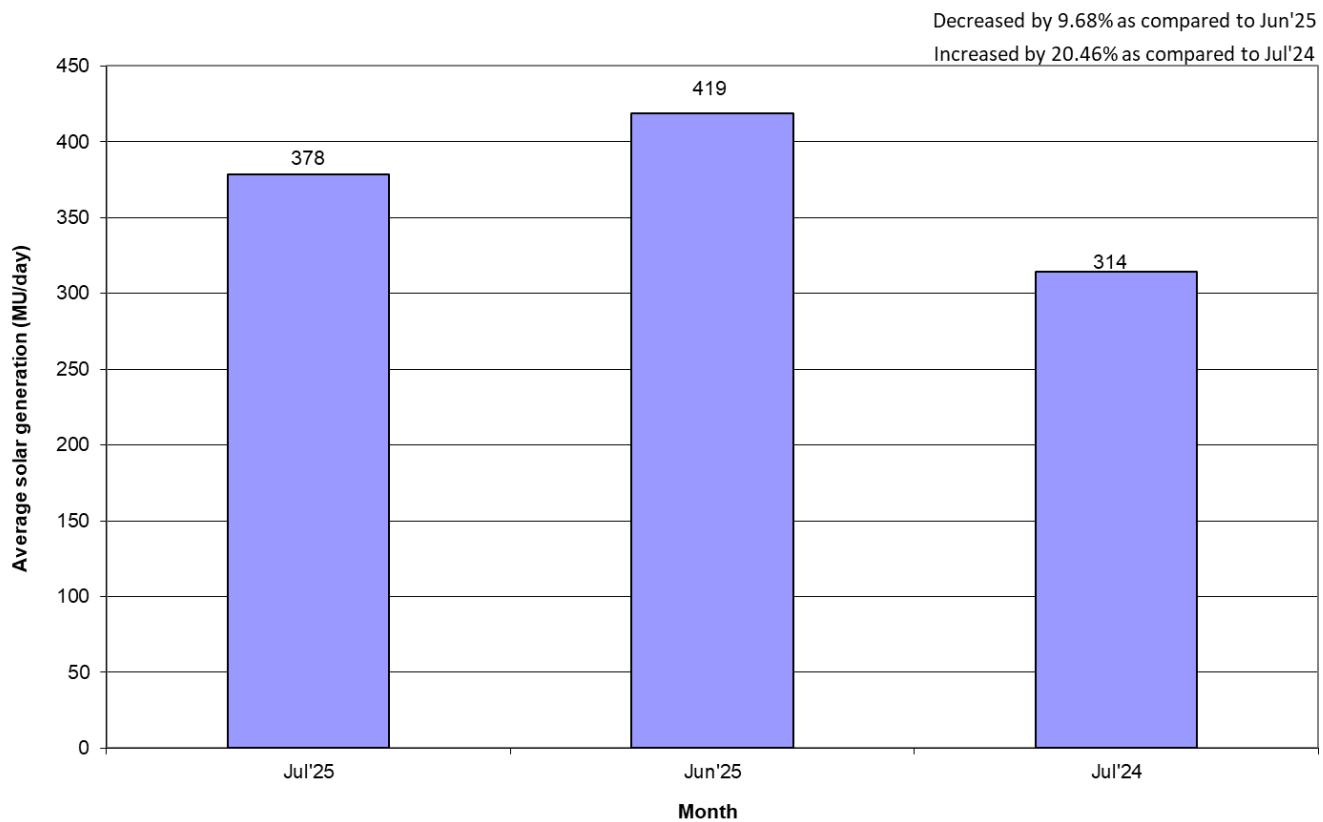
Increased by 6.04% as compared to Jul'24



#### SOLAR GENERATION AT NATIONAL LEVEL (MU)



#### AVERAGE SOLAR GENERATION AT NATIONAL LEVEL (MU/Day)



## 2. ALL INDIA REGIONWISE INSTALLED CAPACITY

As on 31.07.2025  
(All figures are in MW)

S No	Region	THERMAL					NUCLEAR	HYDRO	RES @ MNRE	GRAND TOTAL
		COAL	LIGNITE	GAS	DIESEL	TOTAL				
1	NR	59958	1580	5712	0	67250	2220	21999	51755	143224
2	WR	73617	1400	9399	0	84417	3240	7696	69544	164896
3	SR	51646	3640	3356	434	59075	3320	13127	63250	138772
4	ER	29985	0	0	0	29985	0	4862	2584	37431
5	NER	1242	0	1665	36	2943	0	1944	688	5575
6	ISLANDS	0	0	0	120	120	0	0	43	162
	ALL INDIA	216448	6620	20132	589	243790	8780	49628	187863	490061

Source: Central Electricity Authority

**3. राष्ट्रीय स्तर पर संध्याकालीन शिखर अवधि की विद्युत मांग पूर्ति**  
**EVENING PEAK HOUR (at 20:00hrs) DEMAND MET AT NATIONAL LEVEL**

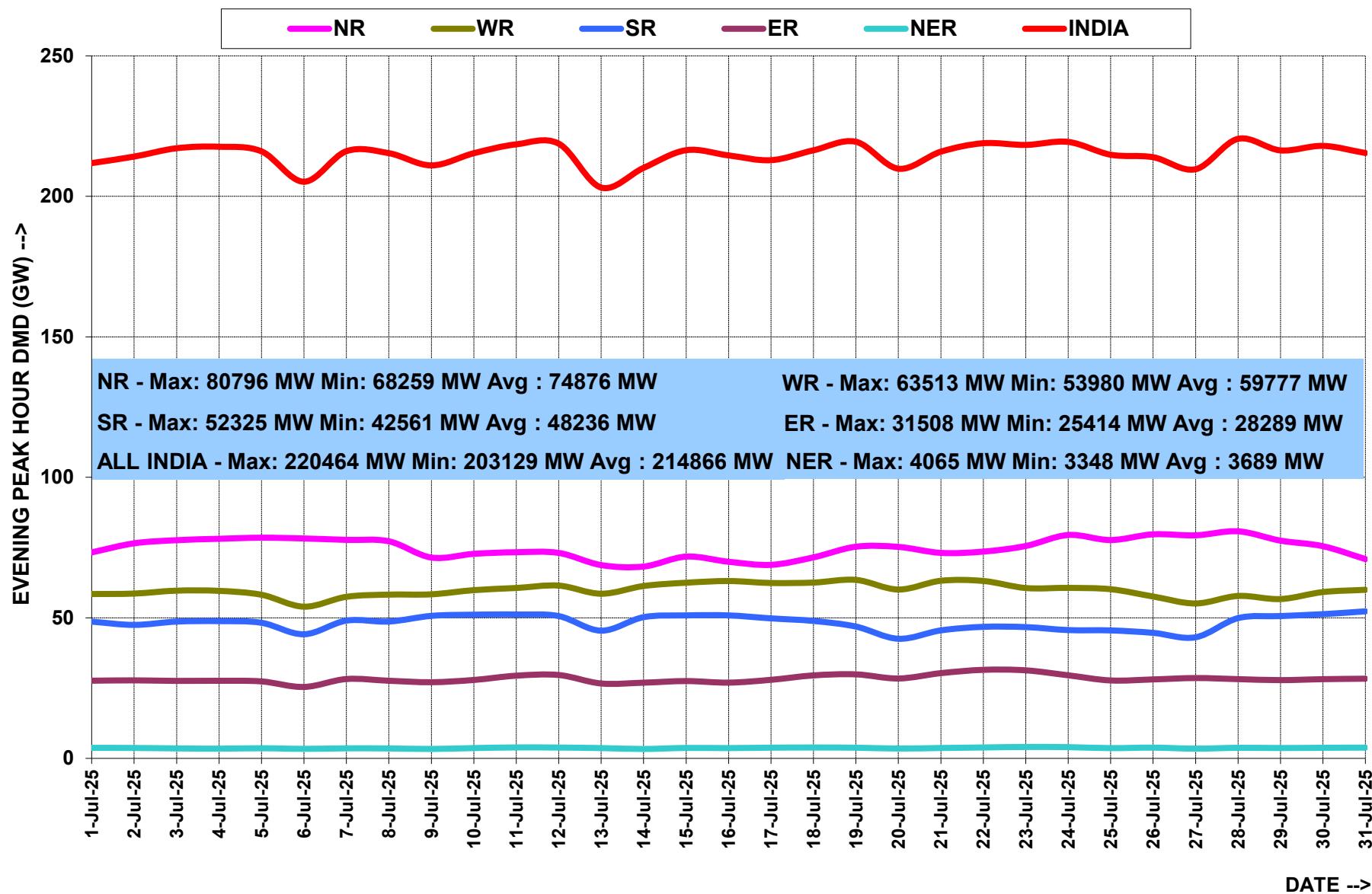
माह: जुलाई 2025      MONTH:- JUL 2025

सभी आंकड़े मेगावाट में All figures in MW

दिनांक Date	उत्तरी क्षे. NR	पश्चिमी क्षे. WR	दक्षिणी क्षे. SR	पूर्वी क्षे. ER	पूर्वोत्तर क्षे. NER	कुल TOTAL
1-Jul-25	73308	58474	48659	27640	3748	211829
2-Jul-25	76526	58648	47503	27762	3712	214151
3-Jul-25	77642	59682	48676	27569	3552	217121
4-Jul-25	78142	59610	48835	27610	3454	217651
5-Jul-25	78532	58226	48252	27393	3608	216011
6-Jul-25	78254	53980	44168	25414	3389	205205
7-Jul-25	77748	57498	49017	28233	3576	216072
8-Jul-25	77242	58273	48689	27623	3537	215364
9-Jul-25	71459	58384	50710	27102	3354	211009
10-Jul-25	72786	59865	51131	27900	3663	215345
11-Jul-25	73357	60632	51190	29429	3900	218508
12-Jul-25	73113	61485	50639	29668	3852	218757
13-Jul-25	68780	58589	45440	26656	3664	203129
14-Jul-25	68259	61340	50253	26940	3348	210140
15-Jul-25	71800	62512	50878	27515	3717	216422
16-Jul-25	69964	63109	50878	26958	3663	214572
17-Jul-25	68871	62412	49820	27956	3812	212871
18-Jul-25	71524	62560	48903	29527	3875	216389
19-Jul-25	75319	63513	46904	29899	3794	219429
20-Jul-25	75255	60085	42561	28431	3503	209835
21-Jul-25	73125	63202	45540	30332	3691	215890
22-Jul-25	73581	63132	46804	31508	3879	218904
23-Jul-25	75572	60614	46719	31328	4065	218298
24-Jul-25	79488	60669	45654	29560	3996	219367
25-Jul-25	77697	60199	45534	27727	3654	214811
26-Jul-25	79734	57602	44669	28097	3825	213927
27-Jul-25	79372	55133	43089	28592	3462	209648
28-Jul-25	80796	57794	49909	28198	3767	220464
29-Jul-25	77485	56699	50638	27847	3687	216356
30-Jul-25	75503	59188	51318	28181	3772	217962
31-Jul-25	70921	59987	52325	28354	3835	215422
उच्चतम MAXIMUM	80796	63513	52325	31508	4065	220464
निम्नतम MINIMUM	68259	53980	42561	25414	3348	203129
औसत AVERAGE	74876	59777	48236	28289	3689	214866
अब तक का उच्चतम All Time Max.	84151	71713	55925	31898	<b>4065</b>	232191
दिनांक Date	14.06.25	24.04.25	28.03.25	14.05.25	<b>23.07.25</b>	09.06.25

Source: As per daily data furnished by states

EVENING PEAK HOUR DEMAND(at 2000hrs) MET DURING THE MONTH OF JULY' 2025



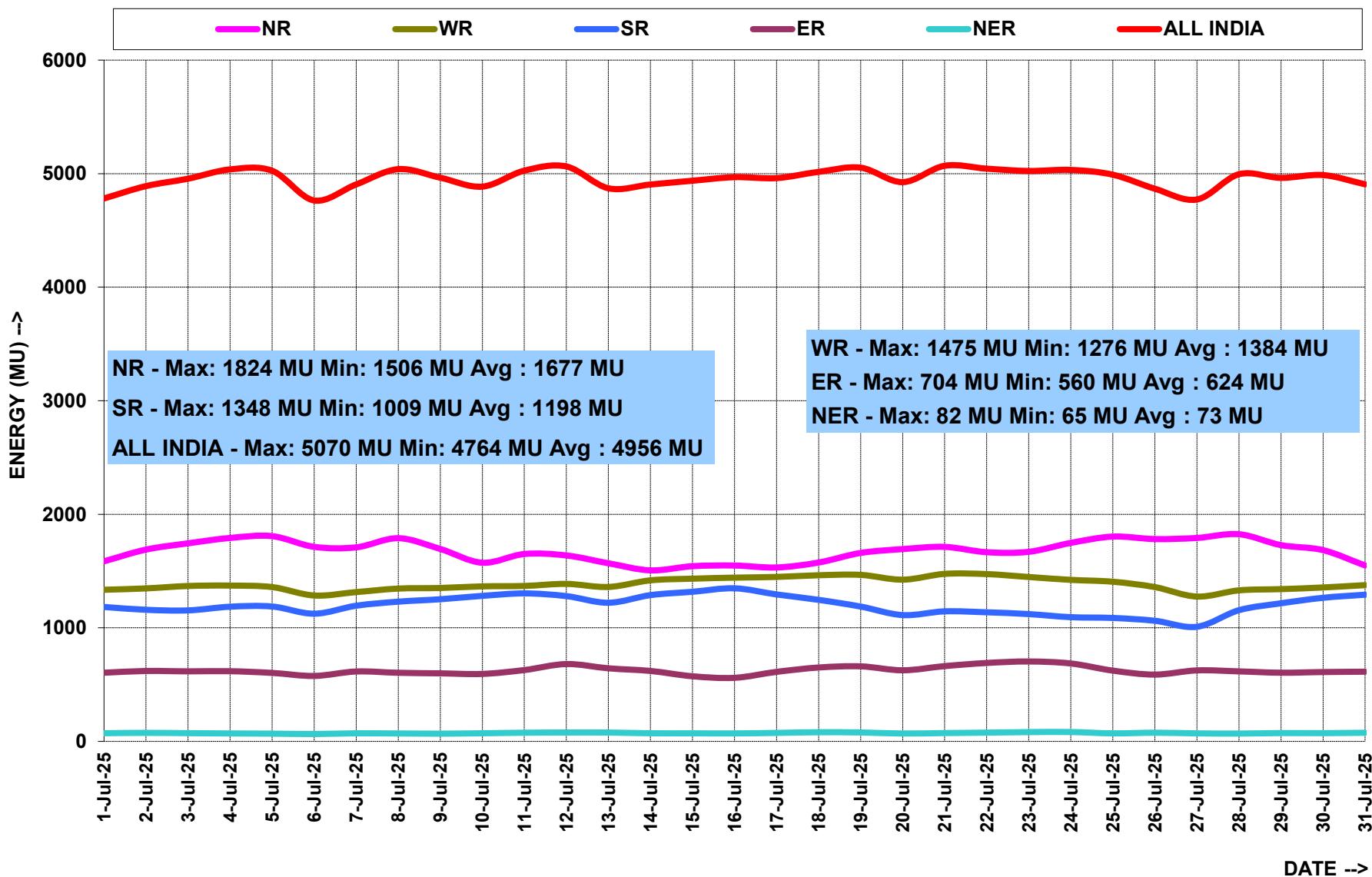
4. राष्ट्रीय स्तर पर विद्युत ऊर्जा आपूर्ति ENERGY MET AT NATIONAL LEVEL

माह: जुलाई 2025 MONTH:- JUL 2025

सभी आंकड़े मिलियन यूनिट में All figures in MU

दिनांक Date	ऊतरी क्षे. NR	पश्चिमी क्षे. WR	दक्षिणी क्षे. SR	पूर्वी क्षे. ER	पूर्वोत्तर क्षे. NER	कुल TOTAL
01-Jul-25	1586	1335	1184	605	72	4782
02-Jul-25	1689	1347	1159	620	75	4891
03-Jul-25	1744	1369	1154	617	72	4956
04-Jul-25	1792	1372	1186	618	70	5038
05-Jul-25	1807	1359	1188	603	68	5026
06-Jul-25	1713	1285	1125	576	65	4764
07-Jul-25	1709	1315	1195	616	71	4905
08-Jul-25	1789	1346	1231	604	70	5040
09-Jul-25	1695	1351	1252	599	68	4964
10-Jul-25	1573	1365	1282	594	72	4886
11-Jul-25	1650	1369	1303	628	76	5027
12-Jul-25	1638	1387	1279	681	78	5063
13-Jul-25	1569	1360	1221	644	78	4871
14-Jul-25	1506	1418	1288	620	71	4905
15-Jul-25	1543	1433	1318	573	71	4938
16-Jul-25	1549	1442	1348	560	70	4969
17-Jul-25	1532	1448	1294	612	75	4961
18-Jul-25	1575	1463	1246	651	81	5016
19-Jul-25	1660	1466	1187	661	78	5053
20-Jul-25	1693	1424	1112	626	69	4925
21-Jul-25	1713	1475	1145	663	73	5070
22-Jul-25	1666	1473	1137	691	77	5044
23-Jul-25	1670	1448	1121	704	82	5024
24-Jul-25	1748	1423	1094	686	82	5033
25-Jul-25	1804	1406	1087	623	71	4991
26-Jul-25	1782	1359	1062	588	76	4867
27-Jul-25	1792	1276	1009	625	71	4772
28-Jul-25	1824	1330	1155	617	69	4995
29-Jul-25	1728	1341	1216	605	73	4963
30-Jul-25	1684	1356	1264	611	73	4988
31-Jul-25	1549	1376	1292	614	76	4906
कुल TOTAL	51973	42918	37135	19334	2272	153632
उच्चतम MAXIMUM	1824	1475	1348	704	82	5070
निम्नतम MINIMUM	1506	1276	1009	560	65	4764
औसत AVERAGE	1677	1384	1198	624	73	4956
संचयी 2025-26 Cumulative 2025-26	190560	182629	144447	74475	7717	599828
अब तक का उच्चतम All Time Max.	2023	1742	1458	704	82	5466
दिनांक Date	12.06.25	25.04.25	28.03.25	23.07.25	24.07.25	30.05.24

## ENERGY MET DURING THE MONTH OF JULY' 2025



5. वर्ष 2025-26 के लिए आवृति रूपरेखा FREQUENCY PROFILE FOR YEAR 2025-26

राष्ट्रीय ग्रिड NATIONAL GRID							
फ्रेक्वेंसी रूपरेखा (Hz)			<49.9	49.9-50.05	>50.05	उच्चतम फ्रेक्वेंसी	निम्नतम फ्रेक्वेंसी
% समय	Apr-25	All India Grid	5.16	75.64	19.20	50.49	49.42
	May-25	All India Grid	3.60	73.30	23.11	50.49	49.59
	Jun-25	All India Grid	7.56	71.85	20.60	50.27	49.74
	Jul-25	All India Grid	6.65	72.89	20.46	50.40	49.50
	2025-26 (upto Jul)	All India Grid	5.73	73.41	20.86	50.49	49.42
							50.01

5.1 जुलाई 2025 के लिए आवृत्ति रूपरेखा FREQUENCY PROFILE FOR JULY 2025

फ्रिक्वेंसी रूपरेखा (Hz)		<49.9	49.9-50.05	>50.05	उच्चतम फ्रिक्वेंसी	निम्नतम फ्रिक्वेंसी	औसत फ्रिक्वेंसी	एफ.वी.आई.
% समय	01-Jul-25	8.04	71.53	20.43	50.30	49.74	50.00	0.05
	02-Jul-25	16.18	76.96	6.86	50.13	49.63	49.96	0.07
	03-Jul-25	11.54	75.39	13.07	50.18	49.66	49.98	0.06
	04-Jul-25	6.64	67.53	25.82	50.30	49.70	50.01	0.05
	05-Jul-25	4.14	66.96	28.90	50.31	49.70	50.02	0.05
	06-Jul-25	2.80	71.92	25.28	50.19	49.84	50.02	0.03
	07-Jul-25	15.12	72.16	12.72	50.19	49.54	49.97	0.09
	08-Jul-25	16.60	71.44	11.97	50.23	49.57	49.97	0.09
	09-Jul-25	7.93	65.06	27.01	50.30	49.63	50.01	0.06
	10-Jul-25	4.33	72.67	23.00	50.30	49.79	50.02	0.04
	11-Jul-25	6.94	76.89	16.17	50.20	49.70	50.00	0.04
	12-Jul-25	8.59	68.54	22.87	50.27	49.67	50.00	0.06
	13-Jul-25	4.48	70.60	24.92	50.21	49.80	50.01	0.04
	14-Jul-25	0.06	74.11	25.83	50.31	49.89	50.03	0.03
	15-Jul-25	12.20	67.43	20.37	50.18	49.61	49.99	0.06
	16-Jul-25	3.62	67.96	28.41	50.24	49.78	50.02	0.04
	17-Jul-25	9.59	69.94	20.46	50.17	49.63	49.99	0.06
	18-Jul-25	6.04	68.91	25.05	50.16	49.62	50.01	0.05
	19-Jul-25	6.33	74.49	19.18	50.13	49.66	50.00	0.03
	20-Jul-25	7.92	75.37	16.71	50.17	49.78	49.99	0.04
	21-Jul-25	10.90	72.62	16.48	50.22	49.59	49.99	0.06
	22-Jul-25	4.83	71.66	23.52	50.25	49.78	50.01	0.04
	23-Jul-25	1.11	78.46	20.43	50.27	49.87	50.01	0.03
	24-Jul-25	3.26	81.75	14.99	50.18	49.81	50.01	0.02
	25-Jul-25	3.47	83.73	12.80	50.19	49.86	49.99	0.03
	26-Jul-25	4.80	74.53	20.67	50.30	49.50	50.01	0.07
	27-Jul-25	2.40	75.59	22.01	50.40	49.81	50.02	0.07
	28-Jul-25	3.33	74.35	22.31	50.21	49.75	50.01	0.03
	29-Jul-25	2.37	74.47	23.16	50.27	49.81	50.01	0.03
	30-Jul-25	6.13	72.87	21.00	50.20	49.77	50.00	0.04
	31-Jul-25	4.48	73.68	21.84	50.35	49.81	50.01	0.05

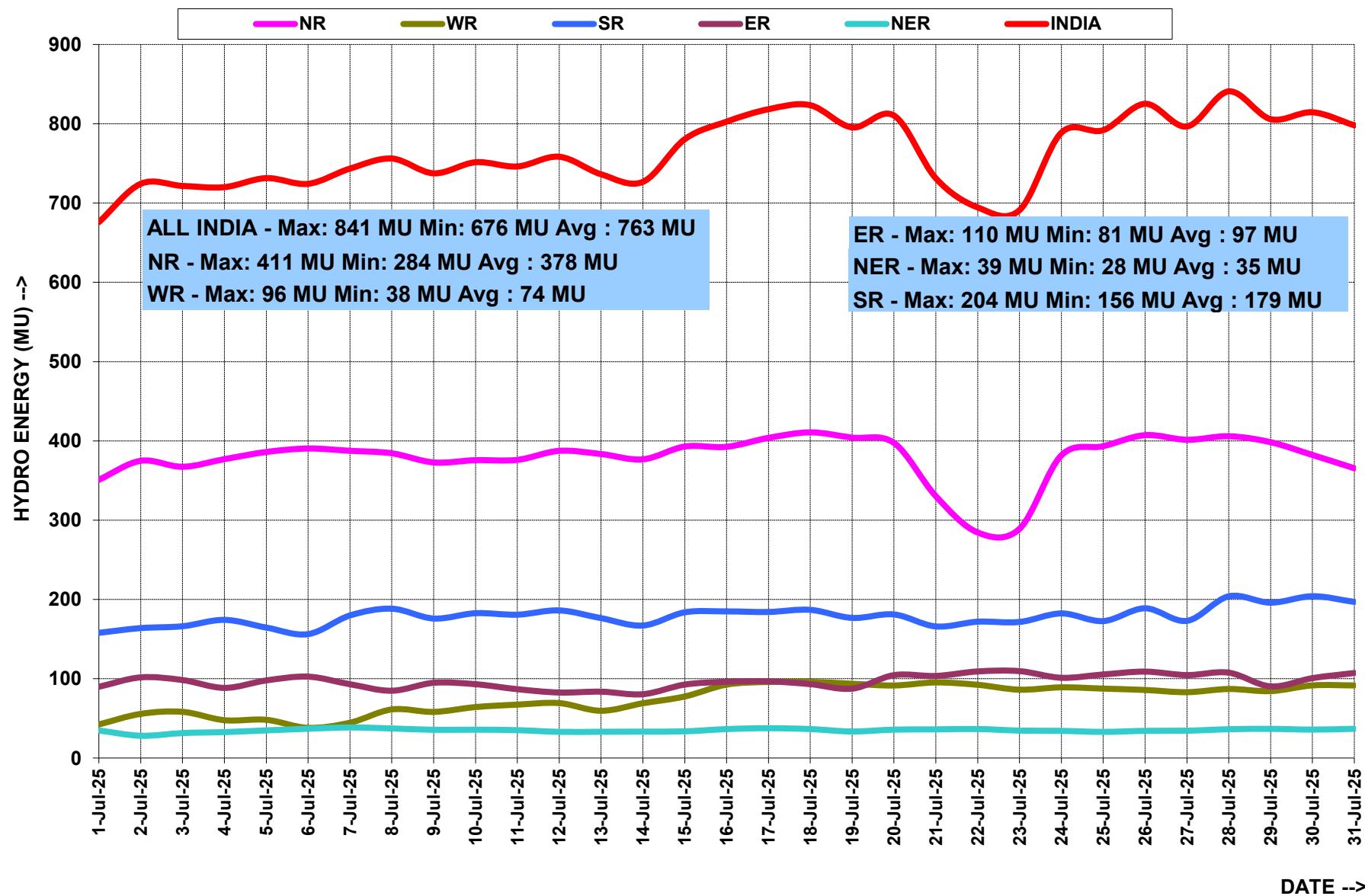
6.राष्ट्रीय स्तर पर जल विद्युत उत्पादन  
HYDRO GENERATION AT NATIONAL LEVEL

माह: जुलाई 2025      MONTH:- JUL 2025

सभी आंकड़े मिलियन यूनिट में All figures in MU

दिनांक Date	ऊतरी क्षे. NR	पश्चिमी क्षे. WR	दक्षिणी क्षे. SR	पूर्वी क्षे. ER	पूर्वोत्तर क्षे. NER	कुल TOTAL
01-Jul-25	351	42	158	90	35	676
02-Jul-25	375	56	164	102	28	724
03-Jul-25	367	58	166	98	31	722
04-Jul-25	377	48	174	88	33	720
05-Jul-25	386	48	165	98	35	731
06-Jul-25	390	38	156	103	37	724
07-Jul-25	388	45	180	93	39	743
08-Jul-25	384	61	188	85	37	756
09-Jul-25	373	58	176	95	36	737
10-Jul-25	376	64	183	93	36	751
11-Jul-25	376	67	181	87	35	746
12-Jul-25	387	69	186	83	33	758
13-Jul-25	383	60	176	84	33	736
14-Jul-25	377	69	167	81	33	727
15-Jul-25	393	78	184	93	34	781
16-Jul-25	393	93	185	96	36	803
17-Jul-25	404	96	184	97	38	818
18-Jul-25	411	96	187	93	36	823
19-Jul-25	404	94	177	87	33	795
20-Jul-25	397	91	181	105	36	810
21-Jul-25	330	95	166	104	36	731
22-Jul-25	284	92	172	109	37	695
23-Jul-25	289	86	172	110	35	691
24-Jul-25	382	89	182	101	34	789
25-Jul-25	393	88	173	105	33	792
26-Jul-25	407	86	189	109	34	825
27-Jul-25	401	83	173	105	34	797
28-Jul-25	406	87	204	108	36	841
29-Jul-25	398	84	196	90	37	806
30-Jul-25	382	92	204	101	36	815
31-Jul-25	365	92	197	107	37	798
कुल TOTAL	11732	2305	5545	2998	1083	23663
उच्चतम MAXIMUM	411	96	204	110	39	841
निम्नतम MINIMUM	284	38	156	81	28	676
औसत AVERAGE	378	74	179	97	35	763
संचयी 2025-26 Cumulative 2025-26	36741	5894	13625	7242	3033	66535
अब तक का उच्चतम All Time Max.	443	167	208	157	43	877
दिनांक Date	01.08.23	18.12.14	31.08.18	14.09.22	27.06.24	30.08.22

## HYDRO ENERGY DURING THE MONTH OF JULY' 2025



**7. राष्ट्रीय स्तर पर पवन ऊर्जा उत्पादन**  
**WIND GENERATION AT NATIONAL LEVEL**

माह: जुलाई 2025 MONTH:- JUL 2025

सभी आंकड़े मिलियन यूनिट में All figures in MU

दिनांक Date	ऊतरी क्षे. NR	पश्चिमी क्षे. WR	दक्षिणी क्षे. SR	पूर्व क्षे. ER	पूर्वतर क्षे. NER	कुल TOTAL
01-Jul-25	48	232	256	-----	-----	535
02-Jul-25	26	193	265	-----	-----	484
03-Jul-25	13	153	256	-----	-----	423
04-Jul-25	14	138	268	-----	-----	420
05-Jul-25	28	162	301	-----	-----	491
06-Jul-25	24	212	317	-----	-----	553
07-Jul-25	22	218	313	-----	-----	552
08-Jul-25	24	171	286	-----	-----	481
09-Jul-25	36	180	276	-----	-----	491
10-Jul-25	22	137	209	-----	-----	368
11-Jul-25	21	116	220	-----	-----	356
12-Jul-25	14	125	250	-----	-----	389
13-Jul-25	18	148	263	-----	-----	429
14-Jul-25	28	209	286	-----	-----	522
15-Jul-25	20	160	273	-----	-----	453
16-Jul-25	18	128	211	-----	-----	357
17-Jul-25	18	91	192	-----	-----	302
18-Jul-25	20	109	188	-----	-----	317
19-Jul-25	20	145	213	-----	-----	377
20-Jul-25	12	123	220	-----	-----	355
21-Jul-25	12	107	230	-----	-----	349
22-Jul-25	30	127	247	-----	-----	403
23-Jul-25	54	202	294	-----	-----	551
24-Jul-25	33	137	284	-----	-----	453
25-Jul-25	21	127	310	-----	-----	458
26-Jul-25	23	224	342	-----	-----	589
27-Jul-25	19	285	301	-----	-----	605
28-Jul-25	39	304	278	-----	-----	621
29-Jul-25	64	319	289	-----	-----	673
30-Jul-25	44	276	256	-----	-----	576
31-Jul-25	17	236	239	-----	-----	492
<b>कुल TOTAL</b>	<b>800</b>	<b>5498</b>	<b>8130</b>	-----	-----	<b>14428</b>
<b>उच्चतम MAXIMUM</b>	<b>64</b>	<b>319</b>	<b>342</b>	-----	-----	<b>673</b>
<b>निम्नतम MINIMUM</b>	<b>12</b>	<b>91</b>	<b>188</b>	-----	-----	<b>302</b>
<b>औसत AVERAGE</b>	<b>26</b>	<b>177</b>	<b>262</b>	-----	-----	<b>465</b>
<b>संचयी 2025-26 Cumulative 2025-26</b>	<b>3313</b>	<b>19142</b>	<b>20539</b>	-----	-----	<b>42994</b>
<b>अब तक का उच्चतम All Time Max.</b>	<b>86</b>	<b>319</b>	<b>342</b>	-----	-----	<b>673</b>
<b>दिनांक Date</b>	<b>07.08.23</b>	<b>29.07.25</b>	<b>26.07.25</b>	-----	-----	<b>29.07.25</b>

\*Source: As reported by SLDCs. Limited visibility of embedded wind generator data.

**8. राष्ट्रीय स्तर पर सौर ऊर्जा उत्पादन**  
**SOLAR GENERATION AT NATIONAL LEVEL**

माह: जुलाई 2025      MONTH:- JUL 2025

सभी आंकड़े मिलियन यूनिट में All figures in MU

दिनांक Date	ऊतरी क्षे. NR	पश्चिमी क्षे. WR	दक्षिणी क्षे. SR	पूर्वी क्षे. ER	पूर्वोत्तर क्षे. NER	कुल TOTAL
01-Jul-25	184	91	93	2.2	0.8	371
02-Jul-25	172	79	85	1.8	0.9	338
03-Jul-25	152	77	105	2.4	1.6	339
04-Jul-25	188	79	117	2.2	0.9	387
05-Jul-25	203	84	132	1.7	0.8	422
06-Jul-25	184	72	123	1.8	0.7	382
07-Jul-25	173	76	116	1.8	1.0	368
08-Jul-25	190	98	122	1.7	0.8	412
09-Jul-25	175	105	125	1.4	0.8	408
10-Jul-25	183	109	128	1.8	1.0	423
11-Jul-25	162	124	132	2.0	1.1	421
12-Jul-25	154	122	134	2.5	0.9	413
13-Jul-25	189	117	133	2.5	1.2	442
14-Jul-25	182	109	137	1.6	0.8	430
15-Jul-25	156	127	120	1.2	1.0	405
16-Jul-25	187	122	113	2.2	0.6	425
17-Jul-25	161	118	119	3.0	1.0	401
18-Jul-25	107	96	98	3.2	1.0	305
19-Jul-25	110	86	96	3.2	0.6	296
20-Jul-25	116	109	107	1.9	0.8	335
21-Jul-25	162	108	98	3.5	0.8	371
22-Jul-25	186	126	103	3.3	1.0	419
23-Jul-25	193	105	87	3.1	0.9	389
24-Jul-25	196	104	78	2.6	0.7	381
25-Jul-25	198	102	88	1.3	1.0	391
26-Jul-25	159	81	85	1.9	0.9	328
27-Jul-25	150	58	117	2.7	0.6	328
28-Jul-25	138	73	119	2.0	0.8	332
29-Jul-25	187	60	118	1.4	1.0	368
30-Jul-25	172	74	118	2.3	0.9	367
31-Jul-25	122	88	118	3.1	1.0	332
कुल TOTAL	5189	2977	3463	69	28	11726
उच्चतम MAXIMUM	203	127	137	3.5	1.6	442
निम्नतम MINIMUM	107	58	78	1.2	0.6	296
औसत AVERAGE	167	96	112	2.2	0.9	378
संचयी 2025-26 Cumulative 2025-26	23086	14955	14920	379	104.8	53444
अब तक का उच्चतम All Time Max.	228	160	156	5.7	3.5	534
दिनांक Date	22.04.25	24.04.25	06.03.25	18.03.25	08.09.24	23.04.25

\*Source: RLDCs for solar connected to ISTS; SLDCs for embedded solar. Limited visibility of embedded solar data.

**9. राष्ट्रीय स्तर पर दैनिक अधिकतम विद्युत मांग पूर्ति**  
**DAILY MAXIMUM DEMAND MET AT NATIONAL LEVEL**

माह: जुलाई 2025 MONTH:- JUL 2025

सभी आंकड़े मेगावाट में All figures in MW

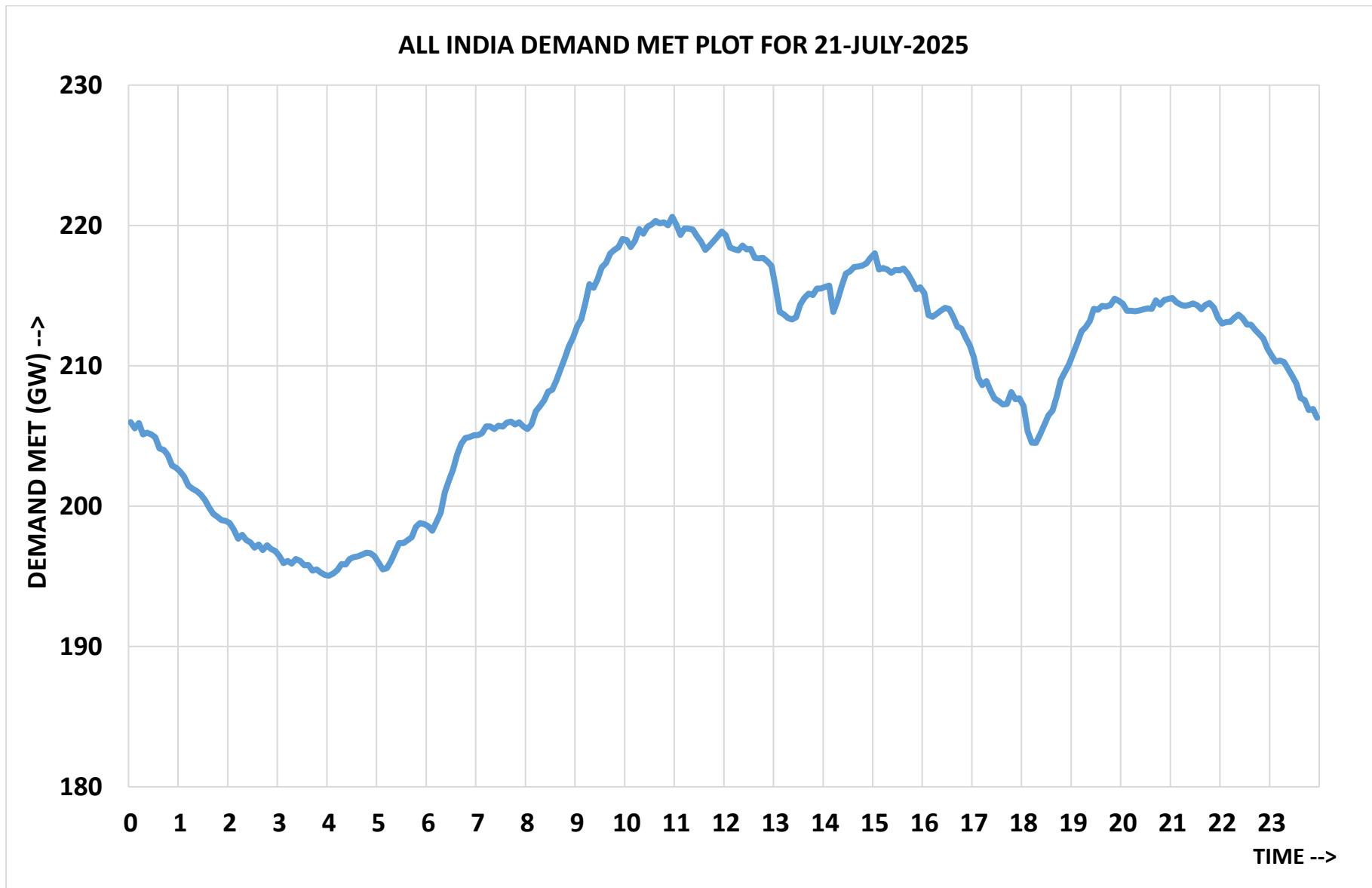
दिनांक Date	ऊतरी क्षे. NR	पश्चिमी क्षे. WR	दक्षिणी क्षे. SR	पूर्वी क्षे. ER	पूर्वोत्तर क्षे. NER	कुल TOTAL	विभिन्नता फैक्टर Diversity Factor*
01-Jul-25	75064	59039	56359	27612	3210	208921	1.059
02-Jul-25	79067	58841	55336	28581	3787	212393	1.062
03-Jul-25	79833	60121	54595	28163	3680	215366	1.051
04-Jul-25	80182	60225	55485	28081	3480	218386	1.042
05-Jul-25	81532	58668	55668	28025	3580	219323	1.037
06-Jul-25	80169	54255	53245	27602	3371	209205	1.045
07-Jul-25	79533	58018	57283	28683	3593	216440	1.049
08-Jul-25	80601	59611	58221	28147	3548	220066	1.046
09-Jul-25	77358	59784	58347	27709	3356	215836	1.050
10-Jul-25	73601	60170	60080	28177	3568	214411	1.052
11-Jul-25	74892	61335	60957	29687	3913	219454	1.052
12-Jul-25	74006	61944	60052	31100	3857	218578	1.057
13-Jul-25	70539	59374	57032	30825	3744	210976	1.050
14-Jul-25	68844	62360	61793	27741	3374	213620	1.049
15-Jul-25	72538	64091	60768	27844	3689	216482	1.058
16-Jul-25	70078	63598	64150	27600	3675	215175	1.065
17-Jul-25	69143	63941	60828	29398	3834	217680	1.043
18-Jul-25	72573	63597	58057	30602	3934	217773	1.050
19-Jul-25	76716	64217	55450	30819	3828	218314	1.058
20-Jul-25	77039	60920	51125	30369	3547	212422	1.050
21-Jul-25	75597	63918	54586	31596	3733	220591	1.040
22-Jul-25	74951	63647	52799	32805	3954	218353	1.045
23-Jul-25	75899	63187	51710	33452	4101	218081	1.047
24-Jul-25	81439	61980	51581	32467	3965	219210	1.056
25-Jul-25	80943	60891	51900	30775	3759	218301	1.046
26-Jul-25	81599	59008	50006	28655	3906	212299	1.051
27-Jul-25	80998	55498	46456	29667	3441	209712	1.030
28-Jul-25	81823	58843	54178	28818	3773	219425	1.037
29-Jul-25	78720	58642	58080	28162	3696	216397	1.050
30-Jul-25	75969	60820	60150	28022	3832	218324	1.048
31-Jul-25	71001	62658	62109	28766	3807	216455	1.055
उच्चतम MAXIMUM	81823	64217	64150	33452	4101	220591	1.065
निम्नतम MINIMUM	68844	54255	46456	27600	3210	208921	1.030
औसत AVERAGE	76524	60748	56399	29353	3695	216064	1.049
अब तक का उच्चतम All Time Max.	91215	80000	69942	33452	4101	250070	
दिनांक Date	19.06.24	08.02.25	21.03.25	23.07.25	23.07.25	30.05.24	

\* Diversity factor = (Sum of regional max demands) / All India max demand

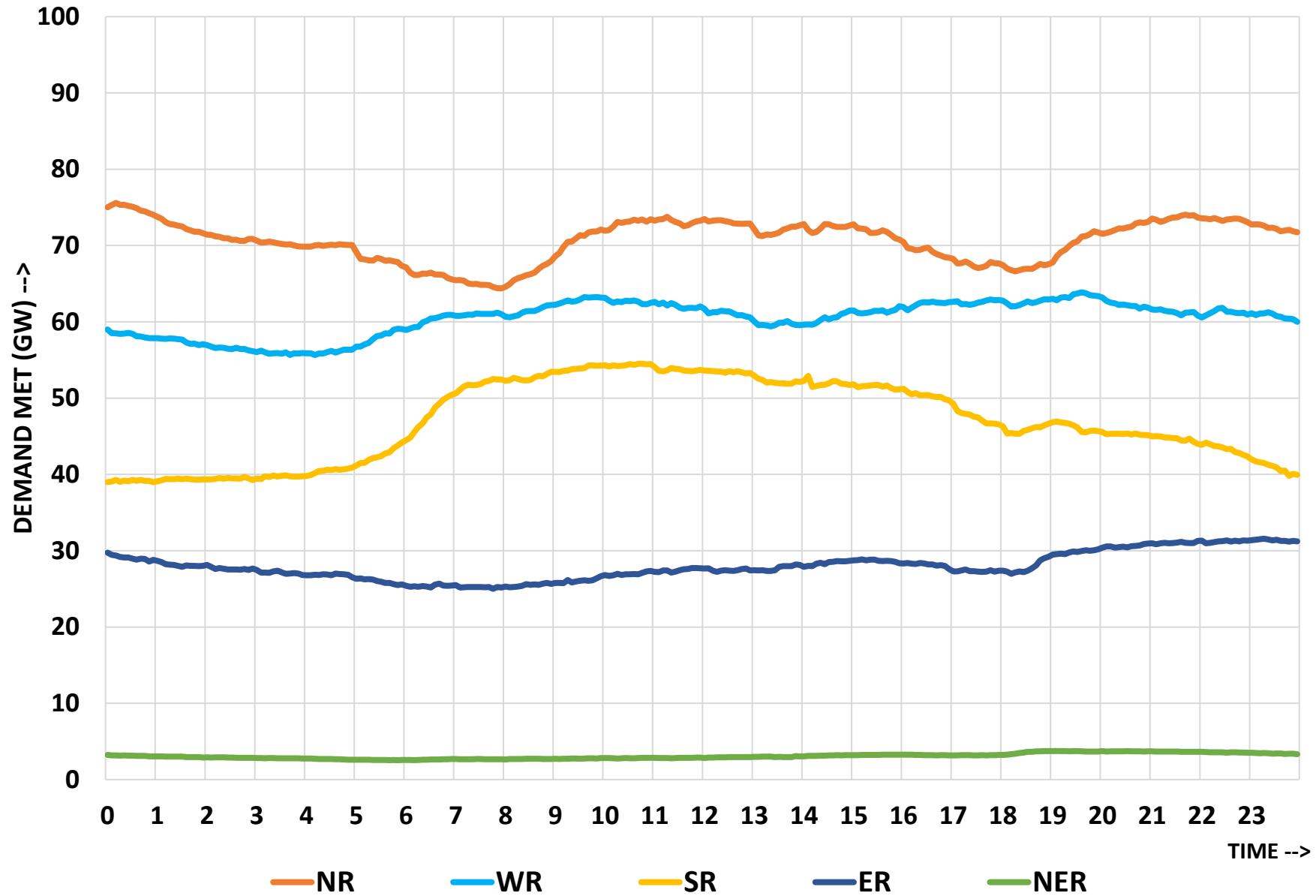
नोट : यह आंकड़े एनएलडीसी स्काइडा प्रणाली में दर्ज दैनिक अधिकतम मांगपूर्ति दर्शाते हैं।

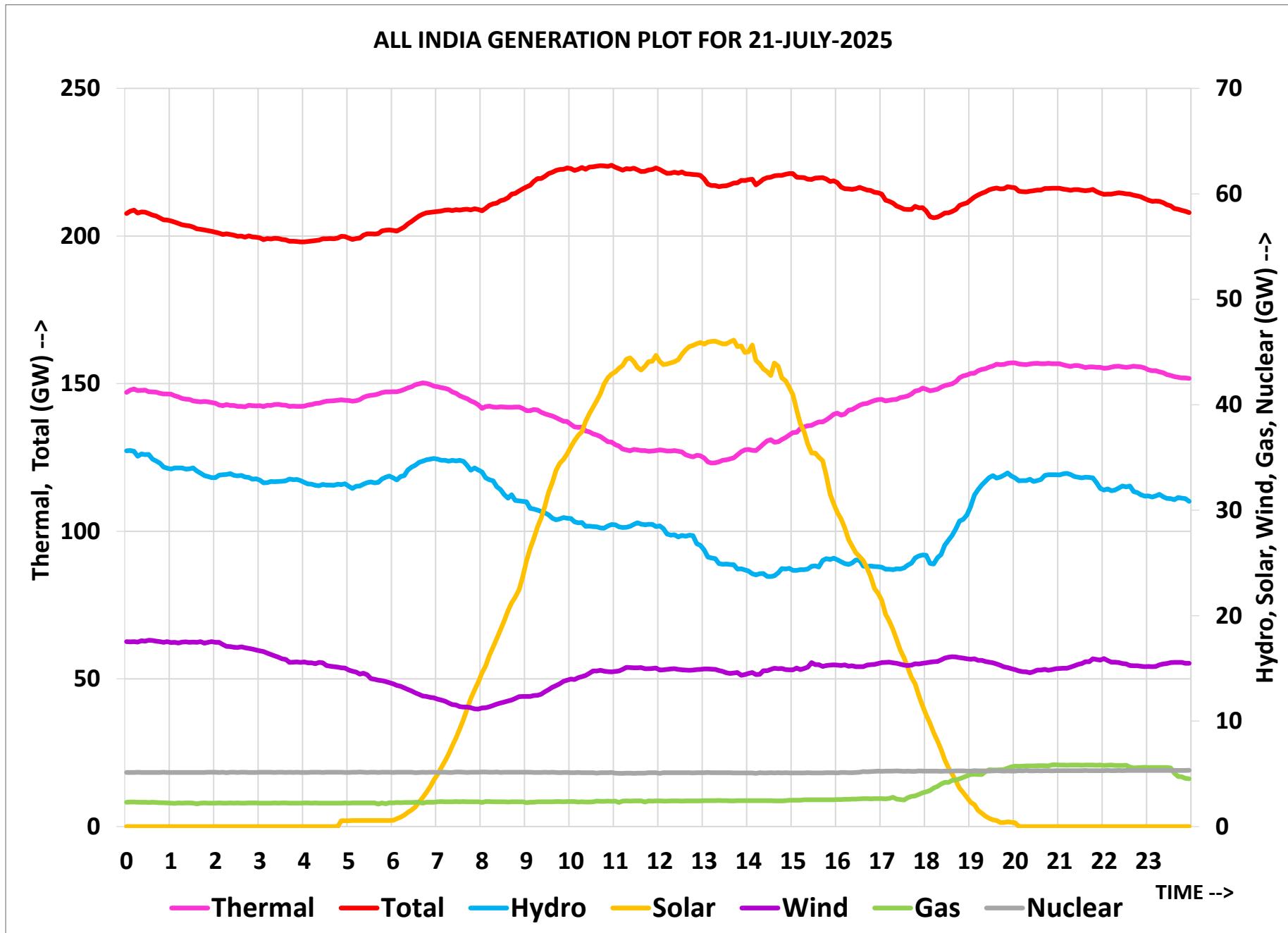
Note: The above figures denote daily maximum demand met recorded in NLDC SCADA.

## 10. DEMAND AND GENERATION PLOTS FOR 21<sup>st</sup> JULY (MAXIMUM DEMAND MET)

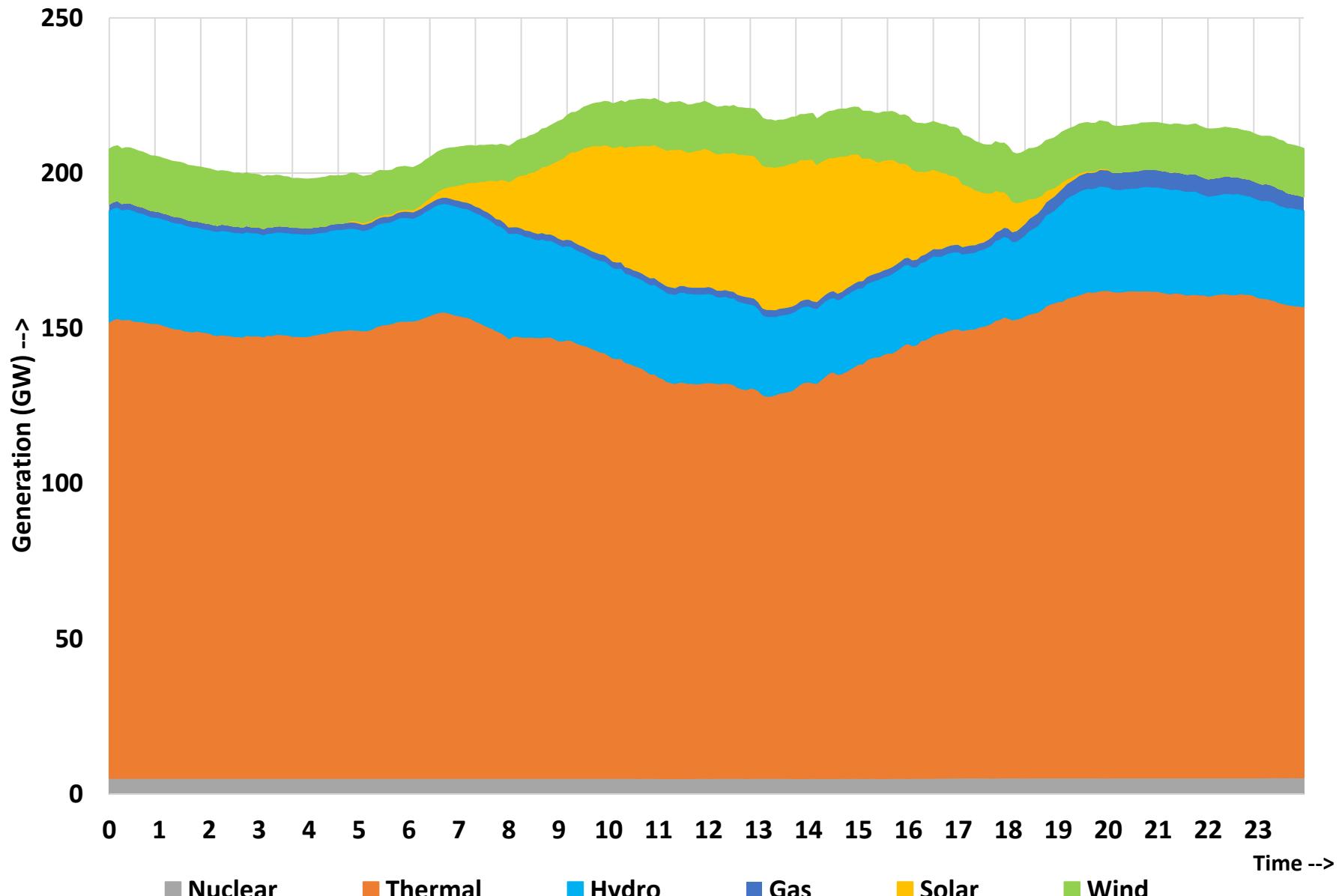


## REGIONAL DEMAND MET PLOT FOR 21-JULY-2025





### ALL INDIA FUEL-WISE GENERATION PATTERNS FOR 21-JULY-2025



21 जुलाई 2025 (अधिकतम माँग) की आल इंडिया माँग आपूर्ति  
ALL INDIA DEMAND MET FOR 21 JULY 2025 (MAXIMUM DEMAND\*)

Time (hrs)	All India Demand (MW)	Time (hrs)	All India Demand (MW)
00:05	205548	12:05	218427
00:20	205237	12:20	218573
00:35	204120	12:35	217693
00:50	202900	12:50	217448
01:05	202088	13:05	213834
01:20	201061	13:20	213305
01:35	199896	13:35	214835
01:50	199000	13:50	215510
02:05	198292	14:05	215708
02:20	197575	14:20	215704
02:35	197267	14:35	217038
02:50	196944	14:50	217300
03:05	195945	15:05	216857
03:20	196239	15:20	216632
03:35	195804	15:35	216929
03:50	195268	15:50	215449
04:05	195207	16:05	213620
04:20	195837	16:20	213935
04:35	196425	16:35	213468
04:50	196653	16:50	212011
05:05	195494	17:05	209155
05:20	196731	17:20	208228
05:35	197569	17:35	207248
05:50	198802	17:50	207631
06:05	198240	18:05	205320
06:20	200975	18:20	205096
06:35	203673	18:35	206816
06:50	204930	18:50	209547
07:05	205195	19:05	211655
07:20	205488	19:20	213183
07:35	205953	19:35	214272
07:50	205978	19:50	214780
08:05	205820	20:05	213919
08:20	207528	20:20	213944
08:35	208946	20:35	214059
08:50	211387	20:50	214679
09:05	213306	21:05	214517
09:20	215560	21:20	214338
09:35	217330	21:35	214028
09:50	218447	21:50	214155
10:05	218460	22:05	213107
10:20	219415	22:20	213653
10:35	220326	22:35	212920
10:50	220009	22:50	211951
11:05	219320	23:05	210301
11:20	219713	23:20	209753
11:35	218259	23:35	207708
11:50	219217	23:50	206917

Maximum Demand of 220591 MW met@ 10:55 hrs (from 1 min. interval SCADA DATA)

\* 15 minute interval SCADA DATA of instantaneous demand

**11. ACTUAL POWER SUPPLY POSITION - JULY 2025**

REGION	STATE	Energy Requirement & Met (MU/Day)			Energy Requirement & Met (MU)				Peak Demand/Peak Met in MW			
		Requirement	Energy met	Surplus(+)/Deficit(-)	Requirement	Energy met	Surplus(+)/Deficit(-)	% Shortage	Requirement	Peak Demand Met	Surplus(+)/Deficit(-)	% Shortage
NR	Chandigarh	7	7	0.0	212	212	0	0.0	399	399	0	0.0
	Delhi	136	136	0.0	4208	4208	0	0.0	7568	7568	0	0.0
	Haryana	256	256	-0.1	7945	7942	-2	0.0	14084	14084	0	0.0
	Himachal Pradesh	37	37	-0.1	1136	1134	-2	-0.2	1835	1835	0	0.0
	J&K(UT) and Ladakh(UT)	52	52	0.0	1622	1621	-1	-0.1	2731	2731	0	0.0
	Punjab	312	312	0.0	9665	9665	0	0.0	16670	16670	0	0.0
	Rajasthan	276	276	0.0	8563	8563	0	0.0	14685	14685	0	0.0
	Uttar Pradesh	546	546	-0.1	16918	16915	-3	0.0	30818	30818	0	0.0
	Uttarakhand	51	51	-0.2	1577	1570	-7	-0.4	2673	2673	0	0.0
	Railway_NR ISTS	4	4	0.0	127	127	0	0.0	228	228	0	0.0
	NFL	0	0	0.0	2	2	0	0.0	5	5	0	0.0
	TOTAL	1677	1676	-0.5	51976	51960	-16	0.0	81583	81583	0	0.0
WR	Gujarat	416	416	0.0	12886	12886	0	0.0	20751	20751	0	0.0
	Madhya Pradesh	235	235	0.0	7279	7279	0	0.0	12794	12794	0	0.0
	Chhattisgarh	109	109	0.0	3370	3369	0	0.0	5512	5512	0	0.0
	Maharashtra	542	542	0.0	16816	16816	0	0.0	26426	26426	0	0.0
	Goa	14	14	0.0	440	440	0	0.0	719	719	0	0.0
	DNHDDPDCL	32	32	0.0	988	988	0	0.0	1411	1411	0	0.0
	AMNSIL	19	19	0.0	585	585	0	0.0	927	927	0	0.0
	BALCO	13	13	0.0	392	392	0	0.0	536	536	0	0.0
	RIL JAMNAGAR*	5	5	0.0	162	162	0	0.0	251	251	0	0.0
	TOTAL	1384	1384	0.0	42918	42917	0	0.0	65375	64856	-519	-0.8
SR	Andhra Pradesh	223	223	0.0	6926	6926	0	0.0	12956	12956	0	0.0
	Telangana	247	247	0.0	7647	7647	0	0.0	15443	15443	0	0.0
	Karnataka	241	241	0.0	7476	7476	-1	0.0	15014	15014	0	0.0
	Kerala	76	76	0.0	2361	2360	-1	0.0	4161	4161	0	0.0
	Tamil Nadu	399	399	0.0	12382	12382	0	0.0	20152	20152	0	0.0
	Puducherry	11	11	0.0	334	334	-1	-0.2	548	548	0	0.0
	TOTAL	1198	1198	-0.1	37126	37124	-2	0.0	64153	64153	0	0.0
ER	Bihar	161	160	-0.2	4980	4974	-6	-0.1	8752	8752	0	0.0
	Jharkhand	42	42	-0.1	1317	1314	-3	-0.2	2191	2191	0	0.0
	DVC	67	67	-0.1	2077	2073	-4	-0.2	3321	3321	0	0.0
	Odisha	133	133	0.0	4128	4128	0	0.0	6964	6964	0	0.0
	West Bengal	224	224	0.0	6936	6936	0	0.0	12940	12940	0	0.0
	Sikkim	1	1	0.0	42	42	0	0.0	95	95	0	0.0
	Railways_ER ISTS	0	0	0.0	4	4	0	0.0	26	26	0	0.0
	TOTAL	629	628	-0.4	19484	19472	-12	-0.1	33452	33452	0	0.0
NER	Arunachal Pradesh	4	4	0.0	118	118	0	0.0	223	223	0	0.0
	Assam	49	49	0.0	1530	1530	0	0.0	2805	2805	0	0.0
	Manipur	3	3	0.0	100	100	0	0.0	233	233	0	0.0
	Meghalaya	5	5	0.0	167	167	0	0.0	337	337	0	0.0
	Mizoram	2	2	0.0	63	63	0	0.0	136	136	0	0.0
	Nagaland	3	3	0.0	97	97	0	0.0	193	193	0	0.0
	Tripura	6	6	0.0	185	185	0	0.0	374	374	0	0.0
	TOTAL	73	73	0.0	2259	2259	0	0.0	4088	4088	0	0.0
ALL INDIA		4960	4959	-1.0	153763	153732	-31	0.0				

\* RIL Jamnagar has been added as new entity wef 01.12.2024

NOTE: BASED ON THE DATA FURNISHED BY ENTITIES ON DAILY BASIS

**12. ENERGY COMPARISON OF JUL 2025 vs JUL 2024**

REGION	STATE	Energy Requirement (MU)					Energy Met (MU)				
		Jul-24	Jul-25	Difference	% Change	Average MU/day for Jul-25	Jul-24	Jul-25	Difference	% Change	Average MU/day for Jul-25
NR	Chandigarh	239	212	-27	-11	7	239	212	-27	-11	7
	Delhi	4370	4208	-162	-4	136	4370	4208	-162	-4	136
	Haryana	8366	7945	-421	-5	256	8348	7942	-405	-5	256
	Himachal Pradesh	1181	1136	-45	-4	37	1181	1134	-47	-4	37
	J&K(UT) and Ladakh(UT)	1650	1622	-29	-2	52	1643	1621	-23	-1	52
	Punjab	10399	9665	-734	-7	312	10399	9665	-734	-7	312
	Rajasthan	9714	8563	-1151	-12	276	9630	8563	-1067	-11	276
	Uttar Pradesh	17118	16918	-200	-1	546	17091	16915	-176	-1	546
	Uttarakhand	1669	1577	-92	-6	51	1668	1570	-98	-6	51
	Railway_NR ISTS/NFL	135	129	-6	-4	4	135	129	-6	-4	4
	TOTAL	54842	51976	-2866	-5	1677	54704	51960	-2743	-5	1676
WR	Gujarat	12373	12886	513	4	416	12373	12886	513	4	416
	Madhya Pradesh	7700	7279	-421	-5	235	7676	7279	-397	-5	235
	Chhattisgarh	3611	3370	-241	-7	109	3604	3369	-235	-7	109
	Maharashtra	15511	16816	1305	8	542	15511	16816	1306	8	542
	Goa	409	440	31	8	14	409	440	31	8	14
	DNHDDPDCL	922	988	66	7	32	922	988	66	7	32
	AMNSIL	532	585	52	10	19	532	585	52	10	19
	BALCO	390	392	2	1	13	390	392	2	1	13
	RIL JAMNAGAR*	-	162	-	-	-	-	162	-	-	-
	TOTAL	41448	42918	1469	4	1384	41418	42917	1500	4	1384
SR	Andhra Pradesh	6391	6926	535	8	223	6353	6926	573	9	223
	Telangana	6992	7647	655	9	247	6949	7647	698	10	247
	Karnataka	6458	7476	1018	16	241	6411	7476	1065	17	241
	Kerala	2378	2361	-17	-1	76	2363	2360	-4	0	76
	Tamil Nadu	11192	12382	1190	11	399	11135	12382	1247	11	399
	Puducherry	319	334	15	5	11	318	334	16	5	11
	TOTAL	33730	37126	3396	10	1198	33529	37124	3594	11	1198
ER	Bihar	4667	4980	314	7	161	4627	4974	348	8	160
	Jharkhand	1374	1317	-58	-4	42	1364	1314	-51	-4	42
	DVC	2281	2077	-204	-9	67	2281	2073	-208	-9	67
	Odisha	3694	4128	434	12	133	3694	4128	434	12	133
	West Bengal	7026	6936	-91	-1	224	7026	6936	-91	-1	224
	Sikkim	39	42	3	7	1	39	42	3	7	1
	Railways_ER ISTS	5	4	-1	-16	0	5	4	-1	-16	0
	TOTAL	19087	19484	397	2	629	19037	19472	435	2	628
NER	Arunachal Pradesh	89	118	29	32	4	89	118	29	32	4
	Assam	1373	1530	157	11	49	1373	1530	157	11	49
	Manipur	83	100	17	20	3	83	100	17	20	3
	Meghalaya	173	167	-7	-4	5	173	167	-7	-4	5
	Mizoram	59	63	4	7	2	59	63	4	7	2
	Nagaland	95	97	2	2	3	95	97	2	2	3
	Tripura	184	185	2	1	6	184	185	2	1	6
	TOTAL	2056	2259	204	10	73	2056	2259	204	10	73
ALL INDIA		151164	153763	2599	2	4960	150743	153732	2989	2	4959

\* RIL Jamnagar has been added as new entity wef 01.12.2024

**13. DEMAND COMPARISON OF JUL 2025 vs JUL 2024**

REGION	STATE	Peak Requirement (MW)				Peak Met (MW)			
		Jul-24	Jul-25	Difference	% Change	Jul-24	Jul-25	Difference	% Change
NR	Chandigarh	434	399	-35	-8.1	434	399	-35	-8.1
	Delhi	8175	7568	-607	-7.4	8175	7568	-607	-7.4
	Haryana	14662	14084	-578	-3.9	14662	14084	-578	-3.9
	Himachal Pradesh	1888	1835	-53	-2.8	1888	1835	-53	-2.8
	J&K(UT) and Ladakh(UT)	2635	2731	96	3.6	2635	2731	96	3.6
	Punjab	16006	16670	664	4.1	16006	16670	664	4.1
	Rajasthan	16371	14685	-1686	-10.3	16371	14685	-1686	-10.3
	Uttar Pradesh	30298	30818	520	1.7	30298	30818	520	1.7
	Uttarakhand	2545	2673	128	5.0	2545	2673	128	5.0
	Railway_NR ISTS/NFL	233	233	0	0.0	233	233	0	0.0
WR	Gujarat	19991	20751	760	4	19991	20751	760	3.8
	Madhya Pradesh	12746	12794	48	0	12735	12794	60	0.5
	Chhattisgarh	5948	5512	-436	-7	5944	5512	-432	-7.3
	Maharashtra	24174	26426	2252	9	24174	26426	2252	9.3
	Goa	697	719	22	3	696	719	23	3.3
	DNHDDPDCL	1343	1411	68	5.1	1343	1411	68	5.1
	AMNSIL	858	927	68	8.0	858	927	68	8.0
	BALCO	531	536	5	1.0	531	536	5	1.0
	RIL JAMNAGAR*	-	251	-	-	-	251	-	-
SR	Andhra Pradesh	11020	12956	1936	17.6	11020	12956	1936	17.6
	Telangana	13541	15443	1902	14.0	13541	15443	1902	14.0
	Karnataka	13820	15014	1194	8.6	13820	15014	1194	8.6
	Kerala	4183	4161	-21	-0.5	4183	4161	-21	-0.5
	Tamil Nadu	18542	20152	1610	8.7	18542	20152	1610	8.7
	Puducherry	517	548	31	6.0	517	548	31	6.0
ER	Bihar	7909	8752	843	10.7	7879	8752	873	11.1
	Jharkhand	2351	2191	-160	-6.8	2351	2191	-160	-6.8
	DVC	3539	3321	-218	-6.2	3539	3321	-218	-6.2
	Odisha	6350	6964	614	9.7	6350	6964	614	9.7
	West Bengal	11672	12940	1268	10.9	11672	12940	1268	10.9
	Sikkim	94	95	1	1.1	94	95	1	1.1
	Railways_ER ISTS	25	26	1	4.0	25	26	1	4.0
NER	Arunachal Pradesh	186	223	37	19.9	186	223	37	19.9
	Assam	2524	2805	281	11.1	2524	2805	281	11.1
	Manipur	213	233	20	9.4	213	233	20	9.4
	Meghalaya	359	337	-22	-6.1	359	337	-22	-6.1
	Mizoram	130	136	6	4.6	130	136	6	4.6
	Nagaland	188	193	5	2.7	188	193	5	2.7
	Tripura	359	374	15	4.2	359	374	15	4.2

\* RIL Jamnagar has been added as new entity wef 01.12.2024

**14. SCHEDULE AND DRAWAL OF CONSTITUENTS - JUL 2025**

REGION	STATE	SCHEDULE (MU)	ACTUAL DRAWAL (MU)	Over drawal(+)/Under Drawal(-) (MU)	% OD/UD	SCHEDULE (MU/DAY)	ACTUAL DRAWAL (MU/DAY)	Over drawal(+)/Under Drawal(-) (MU/DAY)
NR	Chandigarh	208.84	212.46	3.62	1.73	6.74	6.85	0.12
	Delhi	3842.96	3807.66	-35.30	-0.92	123.97	122.83	-1.14
	Haryana	5990.97	5958.08	-32.89	-0.55	193.26	192.20	-1.06
	Himachal Pradesh	-109.46	-116.78	-7.32	6.68	-3.53	-3.77	-0.24
	J&K(UT) and Ladakh(UT)	854.90	815.49	-39.41	-4.61	27.58	26.31	-1.27
	Punjab	5764.27	5567.60	-196.67	-3.41	185.94	179.60	-6.34
	Rajasthan	3308.28	3156.28	-152.00	-4.59	106.72	101.82	-4.90
	Uttar Pradesh	7489.85	7492.03	2.18	0.03	241.61	241.68	0.07
	Uttarakhand	667.53	685.55	18.02	2.70	21.53	22.11	0.58
	Railways_NR ISTS	116.62	127.00	10.38	8.90	3.76	4.10	0.33
WR	NFL	2.55	2.49	-0.06	-2.18	0.08	0.08	0.00
	Total	28137.31	27707.86	-429.44	-1.53	907.66	893.80	-13.85
	Gujarat	4413.92	4352.11	-61.81	-1.40	142.38	140.39	-1.99
	Madhya Pradesh	3265.20	3263.77	-1.43	-0.04	105.33	105.28	-0.05
	Chhattisgarh	2020.88	1994.86	-26.02	-1.29	65.19	64.35	-0.84
	Maharashtra	5642.69	5570.10	-72.59	-1.29	182.02	179.68	-2.34
	Goa	367.91	425.25	57.34	15.58	11.87	13.72	1.85
	DNHDDPDCL	986.92	987.64	0.72	0.07	31.84	31.86	0.02
	AMNSIL	281.07	290.96	9.89	3.52	9.07	9.39	0.32
	BALCO	393.67	391.67	-2.00	-0.51	12.70	12.63	-0.06
SR	RIL JAMNAGAR*	163.39	161.63	-1.76	-1.08	5.27	5.21	-0.06
	Total	17535.65	17437.99	-97.66	-0.56	565.67	562.52	-3.15
	Andhra Pradesh	997.55	989.73	-7.82	-0.78	32.18	31.93	-0.25
	Telangana	3568.00	3680.99	112.99	3.17	115.10	118.74	3.64
	Karnataka	1224.77	1202.39	-22.38	-1.83	39.51	38.79	-0.72
	Kerala	973.11	937.60	-35.51	-3.65	31.39	30.25	-1.15
	Tamil Nadu	4769.48	4706.36	-63.12	-1.32	153.85	151.82	-2.04
	Puducherry	315.14	314.42	-0.72	-0.23	10.17	10.14	-0.02
ER	Goa (SR)	61.25	61.55	0.30	0.49	1.98	1.99	0.01
	Total	11909.30	11893.04	-16.26	-0.14	384.17	383.65	-0.52
	Bihar	4694.32	4666.72	-27.59	-0.59	151.43	150.54	-0.89
	Jharkhand	1040.55	1045.24	4.69	0.45	33.57	33.72	0.15
	DVC	-1248.14	-1256.30	-8.16	0.65	-40.26	-40.53	-0.26
	Odisha	1597.86	1582.30	-15.55	-0.97	51.54	51.04	-0.50
	West Bengal	2959.18	2899.23	-59.95	-2.03	95.46	93.52	-1.93
	Sikkim	38.55	41.88	3.33	8.65	1.24	1.35	0.11
NER	Railways_ER ISTS	4.47	4.29	-0.19	-4.22	0.14	0.14	-0.01
	Total	9086.78	8983.36	-103.42	-1.14	293.12	289.79	-3.34
	Arunachal Pradesh	112.48	106.54	-5.94	-5.28	3.63	3.44	-0.19
	Assam	1319.60	1337.25	17.65	1.34	42.57	43.14	0.57
	Manipur	100.16	99.54	-0.62	-0.62	3.23	3.21	-0.02
	Meghalaya	36.21	33.83	-2.38	-6.57	1.17	1.09	-0.08
	Mizoram	29.14	23.00	-6.14	-21.07	0.94	0.74	-0.20
	Nagaland	87.09	82.55	-4.54	-5.21	2.81	2.66	-0.15
	Tripura	130.67	134.26	3.59	2.75	4.22	4.33	0.12
	Total	1815.35	1816.97	1.62	0.09	58.56	58.61	0.05
All India Total		68484.38	67839.22	-645.17	-0.94	2209.17	2188.36	-20.81

\* RIL Jamnagar has been added as new entity wef 01.12.2024

**15. INTER REGIONAL EXCHANGES 2025-26**

(All figures in MU)

	Apr'25	May'25	June'25	July'25	Fin. Year 2025-26
Name of Line					
Import of NR from WR (WR-NR)					
WR - NR HVDC Champa- Kurukshetra	1382.87	2023.40	2254.66	2061.89	<b>7722.82</b>
WR - NR HVDC VindhyaChal	16.65	119.23	79.22	18.92	<b>234.02</b>
WR - NR HVDC Mundra - M'garh	896.71	1001.79	1174.93	1092.67	<b>4166.10</b>
WR - NR 765 kV Gwalior - Agra 2xS/C	375.96	961.14	1365.69	1177.97	<b>3880.76</b>
WR - NR 765 kV Gwalior-Phagi 2xS/C	119.97	290.73	572.46	579.83	<b>1562.99</b>
WR - NR 765 kV Jabalpur- Orai D/C	317.58	813.58	1229.16	1149.27	<b>3509.59</b>
WR - NR 765 kV Satna- Orai	506.38	537.61	607.95	563.33	<b>2215.27</b>
WR - NR 765 kV Gwalior-Orai	0.00	0.00	0.00	0.00	<b>0.00</b>
WR - NR 765 kV Banaskata - Chittorgarh D/C	17.73	226.09	478.26	143.44	<b>865.52</b>
WR - NR 765 kV VindhyaChal - Varanasi	1245.55	1708.13	1914.58	1711.26	<b>6579.52</b>
WR - NR 765 kV Neemach - Chittorgarh D/C	0.00	36.24	165.77	169.30	<b>371.31</b>
WR - NR 400 kV Zerda- Kankroli	0.50	20.28	53.83	17.88	<b>92.49</b>
WR - NR 400 kV Zerda- Bhinmal	0.00	70.94	17.08	0.00	<b>88.02</b>
WR - NR 400 kV Shujalpur - RAPP C D/C	0.00	32.33	133.09	110.88	<b>276.30</b>
WR - NR 400 KV VindhyaChal - Rihand D/C	0.00	0.00	0.00	0.65	<b>0.65</b>
WR - NR 220 kV Bhanpura - Ranpur	62.23	62.87	60.21	66.31	<b>251.62</b>
WR - NR 220 kV Bhanpura - Modak	70.83	86.49	84.28	81.56	<b>323.16</b>
WR - NR 220 kV Malanpur / Mehgaon - Auraiya	0.00	1.18	4.39	5.14	<b>10.71</b>
Total WR - NR	<b>5012.96</b>	<b>7992.03</b>	<b>10195.56</b>	<b>8950.30</b>	<b>32150.85</b>

	Apr'25	May'25	June'25	July'25	Fin. Year 2025-26
<b>Name of Line</b>					
<b>Export of NR to WR (NR-WR)</b>					
NR - WR HVDC Kurukshetra - Champa	0.00	0.00	0.00	0.00	<b>0.00</b>
NR - WR HVDC VindhyaChal	43.26	29.26	39.61	74.13	<b>186.26</b>
NR - WR HVDC M'garh - Mundra	0.00	0.00	0.00	0.00	<b>0.00</b>
NR - WR 765 kV Agra - Gwalior 2xS/C	6.16	0.00	0.00	0.00	<b>6.16</b>
NR - WR 765 kV Phagi - Gwalior 2xS/C	11.05	2.35	1.79	0.00	<b>15.19</b>
NR - WR 765 kV Orai - Jabalpur D/C	8.98	0.00	0.00	0.00	<b>8.98</b>
NR - WR 765 kV Orai - Satna	0.00	0.00	0.00	0.00	<b>0.00</b>
NR - WR 765 kV Orai - Gwalior	345.16	292.43	286.32	309.34	<b>1233.25</b>
NR - WR 765 kV Chittorgarh - Banaskata D/C	330.62	27.29	9.25	136.12	<b>503.28</b>
NR - WR 765 kV Varanasi - VindhyaChal	0.00	0.00	0.00	0.00	<b>0.00</b>
NR - WR 765 kV Chittorgarh - Neemach D/C	192.85	53.22	5.93	1.84	<b>253.84</b>
NR - WR 400 kV Kankroli - Zerda	180.27	34.58	15.88	63.75	<b>294.48</b>
NR - WR 400 kV Bhinmal - Zerda	0.00	1.60	16.53	0.00	<b>18.13</b>
NR - WR 400 kV RAPP C - Shujalpur D/C	179.68	68.92	11.81	5.23	<b>265.64</b>
NR - WR 400 KV Rihand - VindhyaChal D/C	627.94	529.60	0.00	0.00	<b>1157.54</b>
NR - WR 220 kV Ranpur - Bhanpura	0.00	0.00	0.00	0.00	<b>0.00</b>
NR - WR 220 kV Modak - Bhanpura	0.00	0.00	0.00	0.00	<b>0.00</b>
NR - WR 220 kV Auraiya - Malanpur/Mehgaon	66.11	28.64	11.28	14.79	<b>120.82</b>
<b>Total NR - WR</b>	<b>1992.08</b>	<b>1067.89</b>	<b>398.40</b>	<b>605.20</b>	<b>4063.57</b>

	Apr'25	May'25	June'25	July'25	Fin. Year 2025-26
<b>Name of Line</b>					
<b>Import of NR from ER (ER-NR)</b>					
ER - NR HVDC Alipurduar - Agra	0.43	0.00	207.46	294.66	<b>502.55</b>
ER - NR 765 kV Sasaram - Fatehpur	77.99	33.39	58.92	63.66	<b>233.96</b>
ER - NR 765 kV Gaya - Varanasi 2*S/C	65.04	56.80	78.50	137.65	<b>337.99</b>
ER - NR 765 kV Gaya - Balia	186.58	263.25	335.15	365.65	<b>1150.63</b>
ER - NR 400 kV Patna - Balia D/C	193.76	203.41	224.63	246.91	<b>868.71</b>
ER - NR 400 kV Muzaffarpur - Gorakhpur D/C	11.63	113.13	212.77	291.02	<b>628.55</b>
ER - NR 400 kV Biharshariff - Balia D/C	0.00	12.52	32.71	23.23	<b>68.46</b>
ER - NR 400 kV Motihari - Gorakhpur D/C	62.83	123.33	143.14	160.46	<b>489.76</b>
ER - NR 400 kV Biharshariff - Varanasi D/C	0.00	0.00	0.00	0.00	<b>0.00</b>
ER - NR 400 kV Sasaram - Varanasi	60.82	64.18	68.81	62.53	<b>256.34</b>
ER - NR 400 kV Sasaram - Allahabad	10.62	8.32	10.59	18.44	<b>47.97</b>
ER - NR 400 kV Naubatpur - Balia D/C	45.33	47.32	50.15	56.33	<b>199.13</b>
ER - NR 400 kV Biharshariff - Sahupuri D/C	25.32	33.43	58.54	83.15	<b>200.44</b>
ER - NR 220 kV Sahupuri - Karamnasa	5.66	46.35	66.77	50.47	<b>169.25</b>
ER - NR 132 kV Sahupuri - Karamnasa	0.96	0.48	0.96	1.28	<b>3.68</b>
ER - NR 132 kV Nagar Untari - Rihand	0.05	0.00	0.12	0.00	<b>0.17</b>
ER - NR 132 kV Garhwa - Rihand	0.00	0.00	0.00	0.00	<b>0.00</b>
<b>Total ER-NR</b>	<b>747.02</b>	<b>1005.91</b>	<b>1549.22</b>	<b>1855.44</b>	<b>5157.59</b>
<b>Import of NR from NER (NER-NR)</b>					
NER - NR HVDC Biswanath Chariali - Agra	0.00	22.96	306.84	257.24	<b>587.04</b>
<b>Total NER - NR</b>	<b>0.00</b>	<b>22.96</b>	<b>306.84</b>	<b>257.24</b>	<b>587.04</b>

	Apr'25	May'25	June'25	July'25	Fin. Year 2025-26
<b>Name of Line</b>					
<b>Export of NR to ER (NR-ER)</b>					
NR - ER HVDC Agra - Alipurduar	0.00	0.00	0.00	0.00	<b>0.00</b>
NR - ER 765 kV Fatehpur - Sasaram	6.26	34.48	24.77	11.38	<b>76.89</b>
NR - ER 765 kV Varanasi - Gaya 2*S/C	56.47	106.17	77.38	18.92	<b>258.94</b>
NR - ER 765 kV Balia - Gaya	0.00	0.00	0.00	0.00	<b>0.00</b>
NR - ER 400 kV Balia - Patna D/C	1.06	0.00	0.89	0.00	<b>1.95</b>
NR - ER 400 kV Gorakhpur - Muzaffarpur D/C	99.75	29.83	3.10	0.00	<b>132.68</b>
NR - ER 400 kV Balia - Biharshariff D/C	162.65	104.51	75.25	33.58	<b>375.99</b>
NR - ER 400 kV Gorakhpur - Motihari D/C	4.85	0.05	1.51	0.00	<b>6.41</b>
NR - ER 400 kV Varanasi - Biharshariff D/C	0.00	0.00	0.00	0.00	<b>0.00</b>
NR - ER 400 kV Varanasi - Sasaram	0.00	0.00	0.00	0.00	<b>0.00</b>
NR - ER 400 kV Allahabad - Sasaram	2.99	6.52	11.90	1.71	<b>23.12</b>
NR - ER 400 kV Balia - Naubatpur D/C	1.90	4.36	6.54	0.19	<b>12.99</b>
NR - ER 400 kV Sahupuri - Biharshariff D/C	25.78	30.77	8.13	1.25	<b>65.93</b>
NR - ER 220 kV Karamnasa - Sahupuri	7.75	1.36	0.00	0.00	<b>9.11</b>
NR - ER 132 kV Karamnasa - Sahupuri	0.20	0.39	0.00	0.00	<b>0.59</b>
NR - ER 132 kV Rihand - Nagar Untari	0.98	0.10	0.46	0.44	<b>1.98</b>
NR - ER 132 kV Rihand - Garhwa	14.20	15.51	17.81	17.36	<b>64.88</b>
<b>Total NR - ER</b>	<b>384.84</b>	<b>334.05</b>	<b>227.74</b>	<b>84.83</b>	<b>1031.46</b>
<b>Export of NR to NER (NER-NR)</b>					
NR - NER HVDC Agra - Biswanath Chariali	587.35	339.01	0.00	0.00	<b>926.36</b>
<b>Total NR - NER</b>	<b>587.35</b>	<b>339.01</b>	<b>0.00</b>	<b>0.00</b>	<b>926.36</b>

	Apr'25	May'25	June'25	July'25	Fin. Year 2025-26
<b>Name of Line</b>					
<b>Export of WR to ER (WR-ER)</b>					
WR - ER 765 kV Dharamjaygarh - Ranchi 2xS/C	361.32	847.34	1120.57	894.90	<b>3224.14</b>
WR - ER 765 kV Dharamjaygarh - Jharsuguda Q/C	302.38	152.33	213.61	378.95	<b>1047.27</b>
WR - ER 765 kV Durg - Jharsuguda D/C	0.00	8.48	22.27	14.44	<b>45.19</b>
WR - ER 400 kV Sipat - Ranchi D/C	44.41	165.08	241.40	199.46	<b>650.35</b>
WR - ER 400 kV Raigarh - Jharsuguda- 2xD/C	0.04	36.04	100.65	98.86	<b>235.58</b>
WR - ER 400 kV Jeypore - Jagdalpur D/C			28.61	18.98	<b>47.60</b>
WR - ER 220 kV Korba - Budhipadar D/C	12.35	33.58	45.82	18.61	<b>110.37</b>
WR - ER 220 kV Raigarh - Budhipadar	0.10	11.59	9.61	10.21	<b>31.52</b>
<b>Total WR - ER</b>	<b>720.61</b>	<b>1254.44</b>	<b>1782.54</b>	<b>1634.41</b>	<b>5392.00</b>
<b>Import of WR from ER (ER - WR)</b>					
ER - WR 765 kV Dharamjaygarh - Ranchi 2xS/C	79.61	7.39	0.39	14.42	<b>101.80</b>
ER - WR 765 kV Dharamjaygarh - Jharsuguda D/C	160.09	253.52	323.63	135.13	<b>872.36</b>
ER - WR 765 kV Durg - Jharsuguda D/C	503.09	232.42	113.50	100.38	<b>949.39</b>
ER - WR 400 kV Sipat - Ranchi D/C	55.76	5.53	1.02	6.80	<b>69.12</b>
ER - WR 400 kV Raigarh - Jharsuguda- 2xD/C	325.72	102.70	16.71	33.89	<b>479.02</b>
ER - WR 400 kV Jeypore - Jagdalpur D/C			53.82	147.11	<b>200.93</b>
ER - WR 220 kV Korba - Budhipadar D/C	25.22	2.91	1.56	17.04	<b>46.73</b>
ER - WR 220 kV Raigarh - Budhipadar	50.11	13.49	7.03	13.79	<b>84.42</b>
<b>Total ER - WR</b>	<b>1199.60</b>	<b>617.96</b>	<b>517.65</b>	<b>468.56</b>	<b>2803.77</b>
<b>Export of ER to NER (ER - NER)</b>					
ER - NER 400 kV Binaguri - Bongaigaon D/C	23.81	14.14	102.25	105.97	<b>246.16</b>
ER - NER 400 kV Alipurduar - Bongaigaon D/C	28.02	45.27	273.90	304.64	<b>651.83</b>
ER - NER 220 kV Birpara - Salakati D/C	3.15	4.51	41.91	53.28	<b>102.86</b>
<b>Total ER - NER</b>	<b>54.98</b>	<b>63.92</b>	<b>418.06</b>	<b>463.89</b>	<b>1000.85</b>
<b>Import of ER from NER ( NER - ER)</b>					
NER - ER 400 kV Binaguri - Bongaigaon D/C	86.91	101.88	20.90	9.45	<b>219.14</b>
NER - ER 400 kV Alipurduar - Bongaigaon 2xD/C	133.68	82.82	6.53	0.61	<b>223.64</b>
NER - ER 220 kV Birpara - Salakati D/C	30.05	24.26	2.60	0.29	<b>57.20</b>
<b>Total NER - ER</b>	<b>250.64</b>	<b>208.96</b>	<b>30.02</b>	<b>10.35</b>	<b>499.98</b>

	Apr'25	May'25	June'25	July'25	Fin. Year 2025-26
<b>Name of Line</b>					
<b>Export of ER to SR (ER - SR)</b>					
ER - SR HVDC Gazuwaka	64.45	47.26	1.00	31.46	<b>144.18</b>
ER - SR HVDC Talchar -Kolar	1338.63	1181.86	1012.66	904.97	<b>4438.11</b>
ER - SR 765 kV Angul- Srikakulam D/C	1591.65	1274.48	977.07	1020.33	<b>4863.54</b>
<b>Total ER - SR</b>	<b>2994.74</b>	<b>2503.60</b>	<b>1990.73</b>	<b>1956.76</b>	<b>9445.83</b>
<b>Import of ER from SR (SR - ER)</b>					
SR - ER HVDC Gazuwaka	44.04	138.20	218.83	234.55	<b>635.62</b>
SR - ER HVDC Talchar - Kolar	0.00	0.00	0.00	0.00	<b>0.00</b>
SR - ER 765 kV Angul- Srikakulam D/C	0.00	0.00	1.05	0.00	<b>1.05</b>
<b>Total SR - ER</b>	<b>44.04</b>	<b>138.20</b>	<b>219.88</b>	<b>234.55</b>	<b>636.67</b>
<b>Export of WR to SR (WR-SR)</b>					
WR - SR HVDC Bhadrawati	644.61	220.50	0.00	51.48	<b>916.59</b>
WR - SR 765 kV Sholapur - Raichur 2xS/C	206.88	115.39	44.74	31.44	<b>398.45</b>
WR - SR 765 kV Wardha - Nizamabad D/C	983.94	603.84	465.00	551.34	<b>2604.12</b>
WR - SR 400KV Kolhapur-Kudgi D/C	0.02	0.00	0.00	0.00	<b>0.02</b>
WR - SR HVDC Raigarh-Pugalur	2564.04	1621.30	873.08	571.53	<b>5629.95</b>
WR - SR 220kV Xeldem - Ambewadi S/C	71.04	74.18	57.52	61.31	<b>264.05</b>
WR - SR 220kV Ponda - Ambewadi S/C	0.79	0.09	0.08	0.10	<b>1.07</b>
WR - SR 765 kV Warora - Warangal D/C	1140.34	750.16	469.61	486.50	<b>2846.61</b>
<b>Total WR - SR</b>	<b>5611.68</b>	<b>3385.46</b>	<b>1910.04</b>	<b>1753.70</b>	<b>12660.87</b>
<b>Import of WR from SR (SR - WR)</b>					
SR - WR HVDC Bhadrawati	0.00	206.01	506.97	447.98	<b>1160.96</b>
SR - WR 765 kV Raichur - Sholapur 2xS/C	134.40	376.02	834.64	997.37	<b>2342.43</b>
SR - WR 765 kV Wardha - Nizamabad D/C	0.24	25.72	110.14	75.83	<b>211.93</b>
SR - WR 400KV Kolhapur-Kudgi D/C	657.02	869.48	956.40	1149.16	<b>3632.06</b>
SR - WR HVDC Pugalur-Raigarh	0.00	0.00	11.69	219.49	<b>231.18</b>
SR - WR 220kV Xeldem - Ambewadi S/C	0.00	0.00	0.00	0.00	<b>0.00</b>
SR - WR 220kV Ponda - Ambewadi S/C	0.01	0.01	0.01	0.00	<b>0.03</b>
SR - WR 765 kV Warangal - Warora D/C	0.02	17.52	122.79	74.60	<b>214.93</b>
<b>Total SR - WR</b>	<b>791.68</b>	<b>1494.76</b>	<b>2542.64</b>	<b>2964.44</b>	<b>7793.52</b>
<b>TOTAL ALL INDIA</b>	<b>20392</b>	<b>20429</b>	<b>22089</b>	<b>21240</b>	<b>84150</b>

\*In case of mutiple ckt / DC pole year corres. to the commissioning of final element

Date	15.1 Import-Export of NR with WR during July 2025																		
	Import of NR from WR (WR-NR)																		
	WR - NR HVDC Champa-Kurukshetra	WR - NR HVDC VindhyaChal	WR - NR HVDC Mundra - M'garh	WR - NR 765 kV Gwalior - Agra 2xS/C	WR - NR 765 kV Gwalior- Phagi 2xS/C	WR - NR 765 kV Jabalpur- Orai D/C	WR - NR 765 kV Satna- Orai	WR - NR 765 kV Gwalior- Orai	WR - NR 765 kv Banaskata - Chittorgarh D/C	WR - NR 765 KV VindhyaChal - Varanasi	WR - NR 765 KV Neemach - Chittorgarh D/C	WR - NR 400 KV Zerda- Kankroli	WR - NR 400 KV Zerda- Bhinmal	WR - NR 400 KV Shujalpur- RAPP C D/C	WR - NR 400 KV VindhyaChal - Rihand D/C	WR - NR 220 KV Bhanpura - Ranpur	WR - NR 220 KV Bhanpura - Modak	WR - NR 220 KV Malanpur / Mehaon - Auraiya	Total WR - NR
1-Jul-25	59.96	0.00	36.80	37.05	12.39	32.58	17.52	0.00	16.50	51.50	1.76	1.35		1.10		1.85	2.72	0.35	273.43
2-Jul-25	77.59	0.00	43.09	48.66	15.58	48.54	19.90	0.00	2.37	56.35	7.53	0.00		6.78		1.41	2.07	0.00	329.87
3-Jul-25	98.16	0.02	40.15	49.42	31.12	48.41	23.24	0.00	0.00	60.64	11.36	0.00		9.06		1.46	2.51	0.00	375.55
4-Jul-25	110.83	1.24	36.29	45.14	25.41	43.06	20.85	0.00	0.00	59.02	7.44	0.00		4.92		1.65	2.63	0.00	358.48
5-Jul-25	96.00	1.34	35.51	43.98	21.80	40.23	19.76	0.00	0.00	55.08	5.33	0.00		3.45		1.73	2.67	0.12	327.00
6-Jul-25	68.83	0.93	29.05	40.91	25.23	41.94	18.66	0.00	2.44	48.41	7.01	0.00		4.81		1.79	2.71	0.19	292.91
7-Jul-25	97.27	0.00	27.90	39.43	22.30	36.47	20.03	0.00	1.27	56.88	6.80	0.00		4.85		1.89	2.82	0.00	317.91
8-Jul-25	78.83	0.00	29.05	47.18	26.82	45.06	22.16	0.00	3.72	59.85	8.98	0.00		6.69		1.81	2.70	0.00	332.85
9-Jul-25	81.30	0.00	28.05	42.20	21.59	37.92	20.10	0.00	6.40	56.10	6.32	0.00		4.35		2.06	2.87	0.00	309.26
10-Jul-25	48.40	0.00	29.05	23.57	16.48	27.61	16.89	0.00	0.00	46.58	3.13	0.00		1.96		2.28	2.87	0.00	218.82
11-Jul-25	34.81	0.00	29.05	33.84	21.43	37.16	18.45	0.00	0.00	46.49	5.20	0.00		4.96		2.38	2.95	0.00	236.72
12-Jul-25	59.24	0.00	31.90	34.24	16.58	35.83	17.63	0.00	0.00	56.16	5.20	0.00		4.13		2.83	2.90	0.00	266.64
13-Jul-25	46.90	0.00	48.38	26.25	11.07	26.73	15.72	0.00	0.00	53.81	1.95	0.00		1.01		2.26	2.62	0.00	236.70
14-Jul-25	33.89	0.00	31.24	23.92	8.90	24.20	15.60	0.00	1.03	48.08	0.00	0.00		0.00		1.97	2.27	0.00	191.10
15-Jul-25	47.85	0.00	25.24	21.98	9.44	20.81	15.55	0.00	0.00	42.50	0.72	0.00		0.00		2.14	2.63	0.00	188.86
16-Jul-25	40.02	0.00	36.30	10.51	6.00	12.55	14.18	0.00	0.00	28.75	0.00	0.00		0.00		2.54	2.83	0.00	153.68
17-Jul-25	30.11	0.00	35.58	15.80	17.95	19.97	16.95	0.00	0.00	30.95	0.65	0.00		0.00		2.49	2.39	0.00	172.84
18-Jul-25	36.67	0.00	36.30	31.70	22.31	31.06	17.43	0.00	0.00	47.31	5.69	0.00		2.30	0.00	2.15	2.47	0.00	235.39
19-Jul-25	59.45	0.00	36.29	40.16	19.66	37.36	18.23	0.00	0.00	58.58	7.08	0.00		2.95		1.98	2.42	0.00	284.16
20-Jul-25	69.57	0.00	35.77	40.44	22.11	41.29	18.81	0.00	0.00	58.40	6.85	0.00		3.90		2.15	2.69	0.00	301.98
21-Jul-25	54.72	0.00	36.30	37.90	22.15	41.85	19.32	0.00	0.00	57.70	6.71	0.00		3.06		2.51	2.82	0.00	285.04
22-Jul-25	40.80	0.00	34.74	42.00	17.93	43.40	18.29	0.00	8.64	65.98	5.70	1.00		2.87		2.90	3.27	0.00	287.52
23-Jul-25	72.02	0.00	36.29	39.44	6.73	36.74	16.27	0.00	16.49	72.08	2.09	1.88		0.03		2.53	2.73	0.00	305.32
24-Jul-25	82.61	0.00	36.25	36.45	9.05	34.10	16.18	0.00	0.00	70.40	4.20	0.00		0.55		2.40	2.53	0.00	294.72
25-Jul-25	97.85	0.00	36.15	39.71	20.82	39.94	18.25	0.00	0.00	59.85	7.15	2.61		3.77		2.48	2.74	0.00	331.32
26-Jul-25	92.46	0.00	48.37	45.43	24.32	44.01	18.52	0.00	4.48	54.03	7.10	0.00		5.32		2.34	2.80	0.00	349.18
27-Jul-25	92.98	0.62	37.52	59.10	25.11	53.77	20.22	0.00	20.18	68.46	11.30	4.53		9.23		2.24	2.52	2.15	409.93
28-Jul-25	92.47	4.67	24.92	55.23	25.03	49.86	21.75	0.00	28.01	62.72	10.04	5.28		8.42		2.01	2.11	0.97	393.49
29-Jul-25	61.02	3.62	46.60	45.27	14.23	39.62	15.06	0.00	15.50	62.43	5.02	0.38		3.41		2.10	2.48	0.74	317.48
30-Jul-25	53.55	3.05	38.75	45.35	19.55	39.44	13.24	0.00	13.55	62.10	5.85	0.85		4.08		2.09	2.40	0.62	304.47
31-Jul-25	45.73	3.43	35.79	35.71	20.74	37.76	18.57	0.00	2.86	54.07	5.14	0.00		2.92	0.65	1.89	2.42	0.00	267.68
<b>Total</b>	<b>2061.89</b>	<b>18.92</b>	<b>1092.67</b>	<b>1177.97</b>	<b>579.83</b>	<b>1149.27</b>	<b>563.33</b>	<b>0.00</b>	<b>143.44</b>	<b>1711.26</b>	<b>169.30</b>	<b>17.88</b>	<b>0.00</b>	<b>110.88</b>	<b>0.65</b>	<b>66.31</b>	<b>81.56</b>	<b>5.14</b>	<b>8950.30</b>

Disclaimer:- Blank entry if the line under outage/shutdown on corresponding day

Date	15.1 Import-Export of NR with WR during July 2025																		
	Export of NR to WR (NR- WR)																		
	NR - WR HVDC Kurukshetra - Champa	NR - WR HVDC VindhyaChal	NR - WR HVDC M'garh - Mundra	NR - WR 765 kV Agra - Gwalior 2xS/C	NR - WR 765 kV Phagi - Gwalior 2xS/C	NR - WR 765 kV Orai - Jabalpur D/C	NR - WR 765 kV Orai - Satna	NR - WR 765 kV Orai - Gwalior	NR - WR 765 kV Chittorgarh - Banaskata D/C	NR - WR 765 kV Varanasi - VindhyaChal	NR - WR 765 kV Chittorgarh - Neemach D/C	NR - WR 400 kV Kankroli - Zerda	NR - WR 400 kV Bhinmal - Zerda	NR - WR 400 kV RAPP C - Shujalpur D/C	NR - WR 400 kV Rihand - VindhyaChal D/C	NR - WR 220 kV Ranpur - Bhanpura	NR - WR 220 kV Modak - Bhanpura	NR - WR 220 kV Auraiya - Malanpur/M ehgaon	Total NR - WR
1-Jul-25	0.00	3.64	0.00	0.00	0.00	0.00	0.00	7.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.20
2-Jul-25	0.00	4.63	0.00	0.00	0.00	0.00	0.00	9.10	0.00	0.00	0.00	1.80	0.00	0.00	0.00	0.00	0.00	-0.44	15.09
3-Jul-25	0.00	7.13	0.00	0.00	0.00	0.00	0.00	10.27	8.98	0.00	0.00	3.62	0.00	0.00	0.00	0.00	0.00	-0.41	29.59
4-Jul-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.06	12.27	0.00	0.00	4.66	0.00	0.00	0.00	0.00	0.00	0.66	27.65
5-Jul-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.71	5.88	0.00	0.00	3.40	0.00	0.00	0.00	0.00	0.00	0.00	18.99
6-Jul-25	0.00	0.30	0.00	0.00	0.00	0.00	0.00	10.88	0.00	0.00	0.00	0.62	0.00	0.00	0.00	0.00	0.00	0.00	11.80
7-Jul-25	0.00	5.46	0.00	0.00	0.00	0.00	0.00	9.94	0.00	0.00	0.00	0.66	0.00	0.00	0.00	0.00	0.00	0.32	16.38
8-Jul-25	0.00	7.27	0.00	0.00	0.00	0.00	0.00	11.10	0.00	0.00	0.00	0.25	0.00	0.00	0.00	0.00	0.00	0.39	19.01
9-Jul-25	0.00	7.00	0.00	0.00	0.00	0.00	0.00	11.35	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.48	18.85
10-Jul-25	0.00	7.29	0.00	0.00	0.00	0.00	0.00	10.40	9.69	0.00	0.00	3.83	0.00	0.00	0.00	0.00	0.00	1.49	32.70
11-Jul-25	0.00	7.30	0.00	0.00	0.00	0.00	0.00	11.52	2.23	0.00	0.00	1.52	0.00	0.00	0.00	0.00	0.00	0.91	23.48
12-Jul-25	0.00	4.39	0.00	0.00	0.00	0.00	0.00	9.60	2.72	0.00	0.00	1.59	0.00	0.00	0.00	0.00	0.00	0.72	19.02
13-Jul-25	0.00	1.25	0.00	0.00	0.00	0.00	0.00	7.83	7.39	0.00	0.00	3.74	0.00	0.00	0.00	0.00	0.00	0.34	20.55
14-Jul-25	0.00	1.25	0.00	0.00	0.00	0.00	0.00	7.25	0.00	0.00	0.04	1.92	0.31	0.00	0.00	0.00	0.53	11.30	
15-Jul-25	0.00	1.25	0.00	0.00	0.00	0.00	0.00	8.85	4.48	0.00	0.00	3.57	0.81	0.00	0.00	0.00	0.00	1.32	20.28
16-Jul-25	0.00	1.25	0.00	0.00	0.00	0.00	0.00	8.91	19.36	0.00	1.80	7.80	3.61	0.00	0.00	0.00	0.00	2.43	45.16
17-Jul-25	0.00	2.35	0.00	0.00	0.00	0.00	0.00	12.17	21.17	0.00	0.00	6.40	0.50	0.00	0.00	0.00	0.00	2.07	44.66
18-Jul-25	0.00	1.25	0.00	0.00	0.00	0.00	0.00	11.32	14.97	0.00	0.00	5.58	0.00	0.00	0.00	0.00	0.00	0.16	33.28
19-Jul-25	0.00	1.25	0.00	0.00	0.00	0.00	0.00	11.10	9.29	0.00	0.00	4.38	0.00	0.00	0.00	0.00	0.00	-0.07	25.95
20-Jul-25	0.00	1.26	0.00	0.00	0.00	0.00	0.00	12.23	0.07	0.00	0.00	0.66	0.00	0.00	0.00	0.00	0.00	0.30	14.52
21-Jul-25	0.00	1.25	0.00	0.00	0.00	0.00	0.00	13.19	8.20	0.00	0.00	2.89	0.00	0.00	0.00	0.00	0.00	1.38	26.91
22-Jul-25	0.00	1.25	0.00	0.00	0.00	0.00	0.00	12.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.05	14.41
23-Jul-25	0.00	1.25	0.00	0.00	0.00	0.00	0.00	8.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.25	11.24
24-Jul-25	0.00	1.25	0.00	0.00	0.00	0.00	0.00	8.71	3.80	0.00	0.00	2.50	0.00	0.00	0.00	0.00	0.00	0.65	16.91
25-Jul-25	0.00	1.25	0.00	0.00	0.00	0.00	0.00	10.32	5.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	17.35
26-Jul-25	0.00	1.25	0.00	0.00	0.00	0.00	0.00	11.60	0.00	0.00	0.00	0.80	0.00	0.00	0.00	0.00	0.00	-0.78	12.87
27-Jul-25	0.00	1.11	0.00	0.00	0.00	0.00	0.00	8.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.62
28-Jul-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.16
29-Jul-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.78
30-Jul-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.30
31-Jul-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.77	0.00	0.00	0.00	1.54	0.00	0.00	0.00	0.00	0.00	-0.12	11.19
<b>Total</b>	<b>0.00</b>	<b>74.13</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>309.34</b>	<b>136.12</b>	<b>0.00</b>	<b>1.84</b>	<b>63.75</b>	<b>0.00</b>	<b>5.23</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>14.79</b>	<b>605.20</b>

Disclaimer:- Blank entry if the line under outage/shutdown on corresponding day

Date	15.2 Import-Export of NR with ER & NER during July 2025																			
	Import of NR from ER (ER-NR)																	Import of NR from NER (NER-NR)		
	ER - NR HVDC Alipurduar - Agra	ER - NR 765 kV Sasaram - Fatehpur	ER - NR 765 kV Gaya - Varanasi 2*S/C	ER - NR 765 kV Gaya - Balia	ER - NR 400 kV Patna - Balia D/C	ER - NR 400 kV Muzaffarpur - Gorakhpur D/C	ER - NR 400 kV Biharshariff - Gorakhpur D/C	ER - NR 400 kV Moihari - Gorakhpur D/C	ER - NR 400 kV Biharshariff - Balia D/C	ER - NR 400 kV Sasaram - Varanasi D/C	ER - NR 400 kV Sasaram - Allahabad	ER - NR 400 kV Naubatpur - Balia D/C	ER - NR 400 kV Biharshariff - Sahupuri D/C	ER - NR 220 kV Sahupuri - Karamnasa	ER - NR 132 kV Sahupuri - Karamnasa	ER - NR 132 kV Nagar Untari - Rihand	ER - NR 132 kV Garhwa - Rihand	Total ER-NR	NER - NR HVDC Biswanath Chariali - Agra	Total NER-NR
1-Jul-25	7.05	2.18	3.00	10.25	11.49	9.36	0.00	6.74		1.95	0.54	3.13	2.34	1.55			0.00	59.58	8.42	8.42
2-Jul-25	7.18	3.66	6.92	12.89	12.30	11.78	0.88	5.24		1.70	0.87	3.41	3.67	1.75			0.00	72.25	8.40	8.40
3-Jul-25	7.11	4.91	9.71	14.85	14.58	12.92	1.96	4.87		1.48	0.82	4.18	4.92	2.05	0.00		0.00	84.36	7.78	7.78
4-Jul-25	7.30	3.15	5.78	13.95	11.24	10.33	0.83	6.15		2.26	0.25	3.11	3.68	1.82		0.00	0.00	69.85	8.20	8.20
5-Jul-25	6.75	3.55	7.30	13.65	11.58	13.01	2.60	7.03		1.98	0.50	3.35	4.78	2.18			0.00	78.26	8.22	8.22
6-Jul-25	7.40	5.30	11.15	13.99	13.82	16.67	4.66	9.16		1.62	0.98	4.08	5.72	2.64	0.00	0.00	0.00	97.19	8.45	8.45
7-Jul-25	6.93	3.39	7.47	13.00	10.19	14.33	0.85	7.55		1.73	0.80	2.53	4.75	1.85		0.00	0.00	75.37	8.45	8.45
8-Jul-25	7.25	4.52	9.72	14.22	10.33	16.56	1.43	9.65		1.25	1.30	2.52	5.45	2.34			0.00	86.54	8.34	8.34
9-Jul-25	6.35	3.85	6.58	11.20	9.40	13.20	0.80	7.94		1.41	1.10	2.11	4.45	2.56			0.00	70.95	7.24	7.24
10-Jul-25	7.46	2.10	3.71	9.27	8.37	11.20	0.00	7.89		1.83	0.56	1.85	3.59	1.99	0.48		0.00	60.30	8.20	8.20
11-Jul-25	7.42	3.15	6.17	10.74	9.13	11.00	0.00	7.79		1.86	0.61	2.14	2.87	1.71			0.00	64.59	8.44	8.44
12-Jul-25	7.40	0.00	0.00	9.35	2.56	5.05	0.00	3.46		2.70	0.00	0.03	0.05	1.06	0.00		0.00	31.66	8.45	8.45
13-Jul-25	7.10	0.00	0.00	8.94	2.38	3.91	0.00	2.39		2.71	0.00	0.34	0.00	0.93			0.00	28.70	8.12	8.12
14-Jul-25	7.35	0.00	0.00	7.73	2.76	3.15	0.00	2.63		2.51	0.00	0.00	0.00	0.81			0.00	26.94	8.45	8.45
15-Jul-25	6.88	0.78	1.87	8.52	5.85	8.14	0.00	5.59		2.63	0.00	1.30	1.25	0.90	0.80		0.00	44.51	8.45	8.45
16-Jul-25	7.15	0.35	6.05	8.02	10.72	9.25	1.37	7.07		2.46	0.04	3.02	2.81	1.68			0.00	59.99	8.45	8.45
17-Jul-25	6.80	2.20	5.90	6.70	7.39	5.84	1.42	2.25		2.32	0.13	1.84	1.88	0.76	0.00		0.00	45.43	7.60	7.60
18-Jul-25	7.20	2.05	2.91	9.15	5.90	4.32	0.00	2.68		2.66	2.43	1.01	1.43	1.10	0.00		0.00	42.84	8.20	8.20
19-Jul-25	8.15	0.77	1.00	12.04	3.32	4.90	0.00	2.22		2.63	0.00	0.05	1.06	1.55			0.00	37.69	8.45	8.45
20-Jul-25	9.50	2.30	5.40	13.25	10.93	14.00	1.40	6.45		1.95	0.62	1.50	3.13	1.95			0.00	72.38	8.13	8.13
21-Jul-25	6.22	2.64	6.10	13.86	9.65	12.15	1.78	5.68		2.31	0.19	2.45	3.15	1.89			0.00	68.07	8.46	8.46
22-Jul-25	7.35	0.13	1.56	13.77	7.50	9.35	0.50	3.05		2.46	0.06	1.43	1.85	1.70			0.00	50.71	8.40	8.40
23-Jul-25	7.35	0.00	0.00	12.21	2.68	4.95	0.00	1.66		2.84	0.07	0.17	0.65	1.41		0.00	0.00	33.99	8.46	8.46
24-Jul-25	8.14	0.00	0.00	13.70	3.80	5.10	0.00	1.90		3.07	0.00	0.31	0.00	2.00			0.00	38.02	8.41	8.41
25-Jul-25	17.30	1.00	4.25	14.07	6.73	9.50	0.19	3.81		2.17	0.30	1.28	3.01	1.80			0.00	65.41	8.50	8.50
26-Jul-25	17.61	2.89	7.26	12.68	7.35	11.78	1.19	4.99		1.37	1.12	1.67	3.65	1.71			0.00	75.27	8.43	8.43
27-Jul-25	17.01	0.97	3.95	14.50	7.18	11.03	0.44	4.90		1.47	1.06	1.36	2.89	1.54			0.00	68.30	8.45	8.45
28-Jul-25	16.71	2.73	5.77	13.44	8.70	12.22	0.90	5.72		1.54	1.05	2.17	2.88	1.42			0.00	75.25	8.35	8.35
29-Jul-25	17.23	1.25	1.49	11.95	6.05	5.37	0.00	3.85		1.46	0.87	1.21	2.57	1.20	0.00		0.00	54.50	8.45	8.45
30-Jul-25	17.00	1.25	1.65	11.65	6.00	5.08	0.03	4.85		0.35	1.65	1.25	1.87	1.30			0.00	53.93	8.44	8.44
31-Jul-25	17.01	2.59	4.98	12.11	7.03	5.57	0.00	5.30		1.85	0.52	1.53	2.80	1.32		0.00	0.00	62.61	8.45	8.45
<b>Total</b>	<b>294.66</b>	<b>63.66</b>	<b>137.65</b>	<b>365.65</b>	<b>246.91</b>	<b>291.02</b>	<b>23.23</b>	<b>160.46</b>	<b>0.00</b>	<b>62.53</b>	<b>18.44</b>	<b>56.33</b>	<b>83.15</b>	<b>50.47</b>	<b>1.28</b>	<b>0.00</b>	<b>0.00</b>	<b>1855.44</b>	<b>257.24</b>	<b>257.24</b>

Disclaimer:- Blank entry if the line under outage/shutdown on corresponding day

Date	15.2 Import-Export of NR with ER & NER during July 2025																		
	Export of NR to ER (NR- ER)															Export of NR to NER (NR-NER)			
	NR - ER HVDC Agra - Alipurduar	NR - ER 765 kV Fatehpur - Sasaram	NR - ER 765 kV Varanasi - Gaya 2'S/C	NR - ER 765 kV Balia - Gaya	NR - ER 400 kV Balia - Patna D/C	NR - ER 400 kV Gorakhpur - Muzaffarpur D/C	NR - ER 400 kV Balia - Biharshariff D/C	NR - ER 400 kV Gorakhpur - Motihari D/C	NR - ER 400 kV Varanasi - Biharshariff D/C	NR - ER 400 kV Allahabad - Sasaram	NR - ER 400 kV Balia - Naubatpur D/C	NR - ER 400 kV Sahupuri - Biharshariff D/C	NR - ER 220 kV Karamnasa - Sahupuri	NR - ER 132 kV Karamnasa - Sahupuri	NR - ER 132 kV Rihand - Nagar Untari	Total NR -ER	NR - NER HVDC Agra - Biswanath Chariali	Total NR-NER	
1-Jul-25	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.53	1.13	0.00	0.00	
2-Jul-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.70	0.70	0.00	0.00	
3-Jul-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.65	0.65	0.00	0.00	
4-Jul-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.32	0.44	0.00	0.00
5-Jul-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.44	0.44	0.00	0.00	
6-Jul-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.55	0.64	0.00	0.00
7-Jul-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.51	0.66	0.00	0.00
8-Jul-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.62	0.62	0.00	0.00	
9-Jul-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.62	0.62	0.00	0.00	
10-Jul-25	0.00	0.00	0.00	0.00	0.00	1.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.55	1.62	0.00	0.00	
11-Jul-25	0.00	0.00	0.00	0.00	0.00	1.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.53	2.09	0.00	0.00	
12-Jul-25	0.00	1.35	1.70	0.00	0.00	5.60	0.00	0.00	0.30	0.00	0.00	0.00	0.00	0.00	0.52	9.47	0.00	0.00	
13-Jul-25	0.00	1.73	2.93	0.00	0.00	5.63	0.00	0.00	0.14	0.00	0.57	0.00	0.00	0.00	0.59	11.59	0.00	0.00	
14-Jul-25	0.00	0.91	2.26	0.00	0.00	4.09	0.00	0.00	0.11	0.19	0.48	0.00	0.00	0.00	0.55	8.59	0.00	0.00	
15-Jul-25	0.00	0.00	0.00	0.00	0.00	0.67	0.00	0.00	0.14	0.00	0.00	0.00	0.00	0.00	0.47	1.28	0.00	0.00	
16-Jul-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.26	0.00	0.00	
17-Jul-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.60	0.00	0.00	
18-Jul-25	0.00	0.00	0.00	0.00	0.00	3.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	3.49	0.00	0.00	
19-Jul-25	0.00	0.00	0.00	0.00	0.00	3.28	0.00	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.66	4.06	0.00	0.00	
20-Jul-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.48	0.48	0.00	0.00	
21-Jul-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.53	0.53	0.00	0.00	
22-Jul-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.61	0.61	0.00	0.00	
23-Jul-25	0.00	3.94	6.41	0.00	0.00	4.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.32	0.00	0.00	
24-Jul-25	0.00	3.45	5.62	0.00	0.00	2.25	0.00	0.00	0.90	0.00	0.20	0.00	0.00	0.00	0.75	13.17	0.00	0.00	
25-Jul-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.62	0.62	0.00	0.00	
26-Jul-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.55	0.55	0.00	0.00	
27-Jul-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.69	0.69	0.00	0.00	
28-Jul-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.62	0.62	0.00	0.00	
29-Jul-25	0.00	0.00	0.00	0.00	0.00	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.71	0.98	0.00	0.00	
30-Jul-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.58	0.00	0.00	
31-Jul-25	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.65	1.73	0.00	0.00
<b>Total</b>	<b>0.00</b>	<b>11.38</b>	<b>18.92</b>	<b>0.00</b>	<b>0.00</b>	<b>33.58</b>	<b>0.00</b>	<b>0.00</b>	<b>1.71</b>	<b>0.19</b>	<b>1.25</b>	<b>0.00</b>	<b>0.00</b>	<b>0.44</b>	<b>17.36</b>	<b>84.83</b>	<b>0.00</b>	<b>0.00</b>	

Disclaimer:- Blank entry if the line under outage/shutdown on corresponding day

Date	15.3 Import and Export of ER with WR & NER during July 2025																											
	Export of WR to ER (WR-ER)												Import of WR from ER (ER-WR)								Export of ER to NER (ER-NER)				Import of ER from NER (NER-ER)			
	WR - ER 765 kV Dharamjaya rh - Ranchi 2xS/C	WR - ER 765 kV Dharamjaya rh - Jharsuguda Q/C	WR - ER 765 kV Durg - Jharsuguda D/C	WR - ER 400 kV Sipat - Ranchi D/C	WR - ER 400 kV Raigarh - Jeypore - Jagdalpur 2xD/C	WR - ER 220 kV Korba - Budhipadar D/C	WR - ER 220 kV Raigarh - Budhipadar D/C	Total WR - ER	ER - WR 765 kV Dharamjaya rh - Ranchi 2xS/C	ER-WR 765 kV Dharamjaya rh - Ranchi 2xS/C	ER - WR 400 kV Raigarh - Jeypore - Jagdalpur 2xD/C	ER - WR 220 kV Raigarh - Budhipadar D/C	ER - WR 220 kV Raigarh - Budhipadar D/C	Total ER - WR	ER - NER 400 kV Binaguri - Alipurduar - Bongaigaon D/C	ER - NER 400 kV Binaguri - Alipurduar - Bongaigaon D/C	ER - NER 220 kV Birpara - Salakati D/C	Total ER - NER	NER - ER 400 kV Binaguri - Alipurduar - Bongaigaon 2xD/C	NER - ER 400 kV Binaguri - Alipurduar - Bongaigaon D/C	NER - ER 220 kV Birpara - Salakati D/C	Total NER - ER						
1-Jul-25	25.5	11.2	0.9	6.5	4.6	0.7	1.3	0.2	50.89	0.2	2.9	2.7	0.1	0.2	2.4	0.0	0.4	8.87	2.84	10.28	1.69	14.80	0.32	0.00	0.00	0.32		
2-Jul-25	30.5	6.4	0.4	8.1	2.9	0.4	0.9	0.1	49.66	0.0	7.1	2.9	0.0	0.5	2.6	0.0	0.4	13.51	3.54	12.36	2.01	17.91	0.05	0.00	0.00	0.05		
3-Jul-25	30.2	1.6	0.1	7.6	1.7	0.0	0.7	0.1	41.98	0.1	13.6	3.5	0.1	1.1	3.7	0.3	0.4	22.80	2.19	8.89	1.52	12.60	0.59	0.00	0.00	0.59		
4-Jul-25	28.4	1.6	0.1	7.0	2.2	0.2	0.8	0.1	40.26	0.2	16.7	4.8	0.1	0.8	5.4	0.2	0.4	28.58	2.92	8.15	1.42	12.49	0.21	0.01	0.01	0.23		
5-Jul-25	26.3	2.2	0.2	5.9	0.8	0.1	0.2	0.0	35.67	0.4	9.5	5.3	0.3	2.1	5.2	0.7	0.6	24.03	1.42	7.67	1.06	10.15	1.08	0.13	0.07	1.28		
6-Jul-25	23.6	6.9	1.0	5.5	1.5	0.1	0.8	0.5	39.93	0.0	6.2	2.9	0.1	1.1	7.1	0.3	0.4	18.07	0.24	5.19	0.55	5.98	1.33	0.00	0.04	1.37		
7-Jul-25	21.7	8.0	0.3	5.5	3.9	0.2	1.3	0.4	41.31	0.6	4.4	2.6	0.2	1.0	5.8	0.1	0.3	14.99	1.45	6.10	0.90	8.46	0.65	0.00	0.01	0.66		
8-Jul-25	24.5	12.4	0.4	5.9	2.5	0.2	1.3	0.6	47.82	0.6	3.0	3.3	0.3	0.9	3.4	0.1	0.0	11.63	1.37	6.17	0.90	8.44	1.45	0.45	0.12	2.03		
9-Jul-25	20.1	11.4	0.3	5.5	2.7	0.3	0.8	0.9	41.81	1.1	2.4	3.5	0.3	0.7	3.3	0.2	0.0	11.47	0.89	6.65	1.00	8.54	0.51	0.00	0.00	0.51		
10-Jul-25	20.2	20.5	0.2	4.8	1.7	0.8	0.8	0.7	49.68	1.7	0.2	4.2	0.5	1.3	3.7	0.1	0.0	11.72	2.37	9.21	1.44	13.01	0.20	0.00	0.00	0.20		
11-Jul-25	28.0	21.1	0.3	6.5	2.0	0.3	0.9	0.6	59.72	0.4	1.7	3.3	0.3	1.2	4.1	0.1	0.0	11.08	4.21	10.47	1.61	16.29	0.12	0.00	0.00	0.12		
12-Jul-25	37.4	15.0	0.8	8.9	4.7	0.8	1.1	0.9	69.33	0.0	3.5	1.7	0.0	0.2	3.1	0.1	0.0	8.64	6.54	13.63	2.23	22.40	0.00	0.00	0.00	0.00		
13-Jul-25	31.5	14.3	0.9	6.9	2.7	0.7	0.5	0.7	58.28	0.0	2.0	2.9	0.0	1.1	4.1	0.3	0.0	10.43	5.85	13.49	2.14	21.48	0.00	0.00	0.00	0.00		
14-Jul-25	27.1	19.4	0.5	5.7	2.5	0.5	0.3	0.4	56.37	0.3	1.0	3.4	0.2	1.1	2.2	1.1	0.2	9.39	4.23	12.01	2.04	18.28	0.00	0.00	0.00	0.00		
15-Jul-25	21.0	17.6	0.0	4.2	3.8	0.0	0.1	0.4	47.10	1.1	0.1	4.1	0.5	0.7	3.5	1.0	0.2	11.23	2.94	10.30	1.87	15.10	0.20	0.00	0.00	0.20		
16-Jul-25	10.8	20.4	0.0	1.7	5.9	0.1	0.1	0.6	39.72	3.5	0.0	6.5	1.3	0.3	4.1	2.0	0.1	17.74	2.42	7.80	1.66	11.88	0.67	0.00	0.00	0.67		
17-Jul-25	15.5	22.8	0.0	2.7	5.8	0.8	0.2	0.3	48.15	3.1	0.0	5.0	1.2	0.3	3.4	1.5	0.2	14.64	2.47	8.97	1.64	13.08	0.19	0.00	0.00	0.19		
18-Jul-25	26.2	18.9	0.3	5.9	7.9	0.8	0.3	0.3	60.53	0.6	1.8	2.8	0.3	0.2	1.2	0.8	0.2	7.93	4.08	10.64	1.94	16.65	0.06	0.00	0.00	0.06		
19-Jul-25	32.3	14.2	0.3	7.4	6.5	0.9	0.4	0.2	62.20	0.0	4.1	2.4	0.0	0.1	2.3	0.3	0.2	9.48	7.17	15.26	2.68	25.11	0.00	0.00	0.00	0.00		
20-Jul-25	29.2	11.8	0.2	6.4	4.5	0.0	0.4	0.2	52.82	0.0	2.5	2.4	0.0	0.4	7.4	0.3	0.3	13.40	1.50	7.18	1.21	9.89	0.24	0.01	0.00	0.24		
21-Jul-25	29.6	10.8	0.1	6.0	0.4	0.0	0.6	0.2	47.66	0.0	5.2	3.9	0.2	3.4	7.9	0.3	0.4	21.38	1.88	7.88	1.40	11.16	0.50	0.00	0.00	0.50		
22-Jul-25	41.4	16.8	0.7	8.9	0.7	0.0	0.9	0.2	69.54	0.0	5.3	1.7	0.1	2.2	7.3	0.3	0.7	17.66	3.04	10.87	1.83	15.73	0.50	0.00	0.02	0.52		
23-Jul-25	47.8	11.3	1.1	10.1	2.2	0.0	0.9	0.2	73.52	0.0	6.3	1.7	0.0	0.9	7.8	0.3	0.6	17.46	6.47	16.96	2.91	26.33	0.00	0.00	0.00	0.00		
24-Jul-25	44.4	6.2	0.5	8.8	1.9	0.0	0.8	0.1	62.82	0.0	5.8	3.2	0.0	1.0	9.2	0.2	0.8	20.13	7.13	16.47	2.92	26.53	0.00	0.00	0.00	0.00		
25-Jul-25	30.4	3.6	0.2	6.5	2.4	0.0	0.4	0.3	43.78	0.0	8.5	3.2	0.1	0.9	9.4	0.1	0.7	22.80	3.99	10.50	1.98	16.48	0.20	0.00	0.01	0.21		
26-Jul-25	30.4	3.7	0.4	6.3	4.2	0.0	0.5	0.4	45.91	0.0	7.4	3.4	0.1	0.4	8.8	0.7	0.6	21.49	4.80	11.88	2.40	19.08	0.00	0.00	0.00	0.00		
27-Jul-25	39.8	5.6	1.7	9.4	5.0	0.0	0.6	0.4	62.42	0.0	6.5	0.9	0.0	0.1	7.8	0.4	0.5	16.22	3.24	7.70	1.59	12.53	0.00	0.00	0.00	0.00		
28-Jul-25	33.7	11.6	0.9	7.6	6.0	0.0	0.5	0.2	60.68	0.0	3.8	1.3	0.0	0.2	6.1	0.4	0.5	12.26	2.62	6.76	1.52	10.90	0.22	0.00	0.00	0.22		
29-Jul-25	32.7	16.9	0.8	6.9	3.9	0.4	0.2	0.1	61.85	0.0	1.5	1.9	0.1	0.6	3.5	0.9	0.9	9.41	4.08	8.35	1.69	14.12	0.00	0.00	0.00	0.00		
30-Jul-25	29.9	18.0	0.5	6.1	1.0	5.6	0.0	0.0	61.08	0.0	1.4	3.6	0.1	2.8	1.4	1.6	1.9	12.85	4.02	8.46	1.74	14.22	0.07	0.01	0.00	0.07		
31-Jul-25	24.8	17.1	0.3	4.2	0.5	5.0	0.0	0.0	51.92	0.3	0.8	5.3	0.4	6.1	0.0	2.3	2.1	17.26	4.05	8.39	1.82	14.27	0.11	0.01	0.00	0.12		
<b>Total</b>	<b>894.90</b>	<b>378.95</b>	<b>14.44</b>	<b>199.46</b>	<b>98.86</b>	<b>18.98</b>	<b>18.61</b>	<b>10.21</b>	<b>1634.41</b>	<b>14.42</b>	<b>135.13</b>	<b>100.38</b>	<b>6.80</b>	<b>33.89</b>	<b>147.11</b>	<b>17.04</b>	<b>13.79</b>	<b>468.56</b>	<b>105.97</b>	<b>304.64</b>	<b>53.28</b>	<b>463.89</b>	<b>9.45</b>	<b>0.61</b>	<b>0.29</b>	<b>10.35</b>		

Note- 400 kV Jeypore - Jagdalpur C4-182 included from 07.06.2025

**15.4 Import and Export of SR with ER & WR during July 2025**

Date	Import of WR from SR (SR - WR)																									
	Export of ER to SR (ER - SR)				Import of ER from SR (SR - ER)				Export of WR to SR (WR-SR)								Import of WR from SR (SR - WR)									
	ER - SR HVDC Gazuwaka	ER - SR HVDC Talchar - Kolar	ER-SR 765 kV Angul- Srikakulam D/C	Total ER - SR	SR - ER HVDC Gazuwaka	SR - ER HVDC Talchar - Kolar	SR-ER 765 kV Angul- Srikakulam D/C	Total SR - ER	WR - SR HVDC Bhadrawati	WR - SR 765 kV Sholapur - Raichur 2x5/C	WR-SR 765 kV Wardha - Nizamabad D/C	WR-SR 400kV Kolhapur- Kudgi D/C	WR-SR 220kV Raigarh- Puglur	WR-SR 220kV Ponda - Ambewadi S/C	WR-SR 765 kV Warora - Warangal D/C	Total WR - SR	SR - WR HVDC Bhadrawati	SR - WR 765 kV Sholapur - 2x5/C	SR-WR 765 kV Wardha - Nizamabad D/C	SR-WR 400kV Kolhapur- Kudgi D/C	SR-WR 220kV Raigarh- Puglur	SR-WR 765 kV Warangal - Ambevadi S/C	Total SR - WR			
1-Jul-25	0.00	34.17	29.45	<b>63.62</b>	7.17	0.00	0.00	<b>7.17</b>	0.00	1.21	18.45	0.00	39.05	2.17	0.00	16.51	<b>77.39</b>	8.59	25.95	1.39	31.08	0.00	0.00	0.00	<b>1.55</b>	<b>68.56</b>
2-Jul-25	0.00	36.15	26.66	<b>62.81</b>	7.18	0.00	0.00	<b>7.18</b>	0.00	0.43	11.72	0.00	32.66	2.05	0.01	10.42	<b>57.28</b>	7.23	33.39	3.84	34.90	0.00	0.00	0.00	<b>4.47</b>	<b>83.83</b>
3-Jul-25	0.00	32.36	25.25	<b>57.61</b>	7.26	0.00	0.00	<b>7.26</b>	0.00	0.00	6.18	0.00	24.60	1.94	0.01	5.65	<b>38.37</b>	12.98	40.15	5.25	37.80	0.00	0.00	0.00	<b>6.97</b>	<b>103.14</b>
4-Jul-25	0.00	28.96	27.49	<b>56.46</b>	7.27	0.00	0.00	<b>7.27</b>	0.00	0.00	7.97	0.00	28.57	2.04	0.00	6.92	<b>45.51</b>	14.78	36.09	2.80	36.28	0.00	0.00	0.00	<b>4.19</b>	<b>94.14</b>
5-Jul-25	0.00	28.96	29.78	<b>58.74</b>	7.27	0.00	0.00	<b>7.27</b>	0.00	1.19	11.52	0.00	18.70	2.10	0.00	10.49	<b>44.00</b>	23.97	33.23	2.98	36.46	0.00	0.00	0.00	<b>4.09</b>	<b>100.73</b>
6-Jul-25	0.00	27.52	23.28	<b>50.79</b>	11.40	0.00	0.00	<b>11.40</b>	0.00	0.00	6.83	0.00	14.47	2.11	0.00	4.89	<b>28.29</b>	19.25	40.64	4.77	42.68	4.18	0.00	0.00	<b>6.63</b>	<b>118.15</b>
7-Jul-25	0.00	28.96	32.84	<b>61.80</b>	10.21	0.00	0.00	<b>10.21</b>	0.00	0.21	16.54	0.00	11.11	2.16	0.00	14.16	<b>44.19</b>	23.95	23.91	0.45	38.60	4.88	0.00	0.00	<b>1.01</b>	<b>92.80</b>
8-Jul-25	0.00	28.96	36.58	<b>65.54</b>	4.71	0.00	0.00	<b>4.71</b>	0.00	1.38	19.59	0.00	0.82	2.19	0.00	17.30	<b>41.28</b>	19.92	16.38	0.04	33.32	19.15	0.00	0.00	<b>0.41</b>	<b>89.22</b>
9-Jul-25	0.00	31.36	34.47	<b>65.82</b>	4.71	0.00	0.00	<b>4.71</b>	0.00	0.84	18.54	0.00	15.42	1.89	0.00	16.66	<b>53.35</b>	21.68	21.42	0.00	33.45	0.00	0.00	0.00	<b>0.08</b>	<b>76.63</b>
10-Jul-25	0.00	28.99	46.41	<b>75.39</b>	4.71	0.00	0.00	<b>4.71</b>	0.00	5.52	34.12	0.00	16.15	2.12	0.00	33.41	<b>91.32</b>	23.75	6.34	0.00	25.15	0.00	0.00	0.00	<b>0.00</b>	<b>55.24</b>
11-Jul-25	0.00	32.77	44.70	<b>77.47</b>	4.71	0.00	0.00	<b>4.71</b>	0.00	3.99	31.30	0.00	18.75	2.18	0.00	28.95	<b>85.17</b>	17.80	12.19	0.35	27.66	0.00	0.00	0.00	<b>0.48</b>	<b>58.49</b>
12-Jul-25	0.00	29.76	34.98	<b>64.74</b>	4.85	0.00	0.00	<b>4.85</b>	0.00	0.89	17.69	0.00	20.26	2.27	0.00	15.46	<b>56.58</b>	10.39	24.73	0.87	32.92	0.00	0.00	0.00	<b>1.03</b>	<b>69.94</b>
13-Jul-25	0.00	23.60	31.85	<b>55.46</b>	4.96	0.00	0.00	<b>4.96</b>	0.00	0.00	14.55	0.00	20.82	1.87	0.00	11.31	<b>48.55</b>	7.22	34.96	0.64	38.11	0.00	0.00	0.00	<b>0.81</b>	<b>81.74</b>
14-Jul-25	0.00	28.32	41.55	<b>69.88</b>	4.97	0.00	0.00	<b>4.97</b>	0.00	0.57	28.45	0.00	23.59	1.85	0.00	20.26	<b>74.73</b>	7.20	23.99	0.00	34.51	0.00	0.00	0.00	<b>0.00</b>	<b>65.70</b>
15-Jul-25	0.00	32.33	47.47	<b>79.80</b>	4.97	0.00	0.00	<b>4.97</b>	0.00	0.75	33.37	0.00	21.15	1.86	0.01	31.62	<b>88.75</b>	7.19	16.78	0.00	36.02	0.00	0.00	0.00	<b>0.00</b>	<b>59.99</b>
16-Jul-25	0.00	36.68	52.27	<b>88.96</b>	4.97	0.00	0.00	<b>4.97</b>	13.58	1.78	37.99	0.00	58.65	1.88	0.00	32.19	<b>146.07</b>	2.35	13.06	0.02	30.35	0.00	0.00	0.00	<b>0.00</b>	<b>45.78</b>
17-Jul-25	1.48	28.66	41.10	<b>71.25</b>	2.09	0.00	0.00	<b>2.09</b>	19.51	0.12	25.17	0.00	54.65	1.94	0.00	24.24	<b>125.63</b>	0.00	26.56	0.31	34.85	0.00	0.00	0.00	<b>0.20</b>	<b>61.92</b>
18-Jul-25	2.59	29.05	31.77	<b>63.41</b>	0.00	0.00	0.00	<b>0.00</b>	12.18	0.39	18.80	0.00	55.81	1.93	0.00	16.47	<b>105.59</b>	0.00	35.36	3.24	37.15	0.00	0.00	0.00	<b>3.11</b>	<b>78.86</b>
19-Jul-25	2.18	33.41	22.71	<b>58.29</b>	1.35	0.00	0.00	<b>1.35</b>	6.21	0.02	8.08	0.00	36.55	2.16	0.00	7.31	<b>60.33</b>	0.64	47.94	7.49	43.33	1.01	0.00	0.00	<b>7.14</b>	<b>107.56</b>
20-Jul-25	0.00	26.87	28.40	<b>55.27</b>	9.97	0.00	0.00	<b>9.97</b>	0.00	0.00	6.59	0.00	9.89	2.00	0.00	6.15	<b>24.63</b>	11.39	48.44	5.49	43.25	4.69	0.00	0.00	<b>4.92</b>	<b>118.19</b>
21-Jul-25	0.00	37.14	30.39	<b>67.53</b>	10.99	0.00	0.00	<b>10.99</b>	0.00	0.00	12.18	0.00	15.70	1.82	0.00	11.02	<b>40.72</b>	23.90	47.48	5.97	41.23	0.00	0.00	0.00	<b>6.10</b>	<b>124.69</b>
22-Jul-25	0.00	27.48	26.70	<b>54.18</b>	12.09	0.00	0.00	<b>12.09</b>	0.00	0.18	12.08	0.00	7.85	1.99	0.00	7.28	<b>29.38</b>	23.91	45.29	8.59	40.43	0.00	0.00	0.00	<b>3.27</b>	<b>121.50</b>
23-Jul-25	0.00	22.47	21.06	<b>43.53</b>	13.74	0.00	0.00	<b>13.74</b>	0.00	0.00	7.61	0.00	12.08	2.14	0.00	0.00	<b>21.83</b>	23.94	55.97	7.02	46.02	0.00	0.00	0.00	<b>1.48</b>	<b>134.44</b>
24-Jul-25	0.00	26.46	23.65	<b>50.12</b>	17.10	0.00	0.00	<b>17.10</b>	0.00	0.00	7.91	0.00	7.60	2.14	0.01	4.32	<b>21.98</b>	19.33	57.34	7.17	46.04	2.32	0.00	0.00	<b>7.19</b>	<b>139.38</b>
25-Jul-25	0.00	25.72	24.74	<b>50.46</b>	16.49	0.00	0.00	<b>16.49</b>	0.00	0.00	8.88	0.00	6.65	1.96	0.01	7.54	<b>25.04</b>	23.92	61.91	4.41	50.73	6.48	0.00	0.00	<b>5.42</b>	<b>152.88</b>
26-Jul-25	0.00	22.98	26.79	<b>49.77</b>	14.37	0.00	0.00	<b>14.37</b>	0.00	0.00	8.15	0.00	0.00	1.60	0.00	7.24	<b>17.00</b>	17.92	53.65	2.32	47.88	35.03	0.00	0.00	<b>2.71</b>	<b>159.51</b>
27-Jul-25	0.00	17.52	22.67	<b>40.19</b>	14.91	0.00	0.00	<b>14.91</b>	0.00	0.00	7.55	0.00	0.00	0.51	0.00	5.82	<b>13.88</b>	23.95	46.42	0.41	44.88	48.45	0.00	0.00	<b>1.29</b>	<b>165.39</b>
28-Jul-25	0.00	26.63	35.70	<b>62.33</b>	10.90	0.00	0.00	<b>10.90</b>	0.00	1.14	23.71	0.00	0.00	1.96	0.00	21.58	<b>48.39</b>	23.96	23.12	0.00	34.13	40.43	0.00	0.00	<b>0.04</b>	<b>121.69</b>
29-Jul-25	0.00	27.75	38.22	<b>65.97</b>	7.19	0.00	0.00	<b>7.19</b>	0.00	2.08	26.71	0.00	0.00	2.06	0.00	26.51	<b>57.36</b>	12.44	20.84	0.00	35.51	21.36	0.00	0.00	<b>0.00</b>	<b>90.15</b>
31-Jul-25	10.37	27.18	40.30	<b>77.85</b>	2.04	0.00	0.00	<b>2.04</b>	0.00	4.10	31.96	0.00	0.00	2.12	0.00	32.34	<b>70.53</b>	7.21	12.82	0.00	29.15	17.51	0.00	0.00	<b>0.00</b>	<b>66.70</b>
TOTAL	31.46	904.97	1020.33	<b>1956.76</b>	234.55	0.00	0.00	<b>234.55</b>	51.48	31.44	551.34	0.00	571.53	61.31	0.10	486.50	1753.70	447.98	997.37	75.83	1149.16	219.49	0.00	0.00	<b>74.60</b>	<b>2964.44</b>

**16. भूटान , नेपाल, बांग्लादेश एवं म्यान्मार के साथ अंतरराष्ट्रीय विद्युत विनिमय**  
**INTERNATIONAL EXCHANGE WITH BHUTAN, NEPAL BANGLADESH AND MYANMAR**

**अप्रैल 2025 से मार्च 2026 April 2025 to March 2026**

अंतरराष्ट्रीय विद्युत विनिमय [भारत से निर्यात/ को आयात]  
 Transnational Exchange ('Export from'/Import to' India)

माह MONTH	भूटान BHUTAN		नेपाल NEPAL		बांग्लादेश BANGLADESH		म्यान्मार MYANMAR	
	Energy Exported (In MU)	Energy Imported (In MU)						
अप्रैल 2025 APR'25	72.61	27.18	365.47	0.00	684.92	0.00	0.70	0.00
मई 2025 MAY'25	0.00	553.50	203.10	9.50	707.90	0.00	0.74	0.00
जून 2025 JUN'25	0.00	1148.30	21.70	248.80	646.50	0.00	0.74	0.00
जुलाई 2025 JUL'25	0.00	1522.80	0.00	484.01	709.78	0.00	0.71	0.00
<b>कुल Total</b>	<b>72.61</b>	<b>3251.78</b>	<b>590.27</b>	<b>742.31</b>	<b>2749.10</b>	<b>0.00</b>	<b>2.89</b>	<b>0.00</b>

\* Based on daily operational data

**16.1 Import from neighbouring countries during Jul 2025**  
**(All figures in MU)**

Date	Import from neighbouring countries during Jul 2025 (All figures in MU)														
	Import from Bhutan								Import from Bangladesh		Import from Nepal			Import from Myanmar	
	400 kV Tala-Binaguri I,II & IV	400 kV Binaguri-Malbase	220 kV Birpara-Chuka D/C	220 kV Birpara-Malbase	400 kV Punatsanchu-Alipurduwar D/C*	400 kV Jigmeling-Alipurduwar D/C	132 kV Rangia-Motanga	132 kV Salakati-Gelephu	400 kV Behrampur-Bheramara 1,2,3&4	132 kV Surjyamanigar-Comilla D/C	132 kV Tanakpur-Mahendranagar	From UP Source	400 kV Muzaffarpur-Dhalkebar	From BIHAR Source	11 kV Moreh-Tamu
1-Jul-25	15.80	0.00	2.25	0.56	0.00	30.75	1.16	0.94	0.00	0.00	0.54	0.00	13.88	3.00	0.00
2-Jul-25	19.36	0.00	2.61	0.88	0.00	32.01	1.09	1.03	0.00	0.00	0.21	0.00	13.14	2.75	0.00
3-Jul-25	17.37	0.00	2.45	0.79	0.13	30.72	1.16	0.92	0.00	0.00	0.00	0.00	12.70	2.85	0.00
4-Jul-25	16.39	0.00	2.27	0.84	2.39	21.23	0.83	0.60	0.00	0.00	0.00	0.00	13.06	3.05	0.00
5-Jul-25	19.11	1.01	2.27	0.70	11.99	20.96	0.96	0.58	0.00	0.00	0.41	0.00	13.73	3.02	0.00
6-Jul-25	16.56	4.23	2.02	0.29	12.00	21.01	0.91	0.50	0.00	0.00	0.15	0.00	12.96	2.84	0.00
7-Jul-25	13.44	3.26	1.85	0.32	9.06	18.09	0.91	0.40	0.00	0.00	0.00	0.00	12.90	2.95	0.00
8-Jul-25	10.75	2.50	1.70	0.04	11.14	19.01	0.96	0.40	0.00	0.00	0.00	0.00	11.41	2.97	0.00
9-Jul-25	11.29	2.65	1.52	0.00	11.24	19.25	0.89	0.28	0.00	0.00	0.00	0.00	11.08	2.94	0.00
10-Jul-25	11.05	2.41	1.55	0.00	11.04	18.76	0.93	0.23	0.00	0.00	0.00	0.00	6.69	2.99	0.00
11-Jul-25	8.25	1.54	1.06	0.00	9.33	15.70	0.97	0.16	0.00	0.00	0.00	0.00	12.36	3.00	0.00
12-Jul-25	6.67	0.92	0.81	0.06	8.84	14.61	0.99	0.31	0.00	0.00	0.00	0.00	12.06	2.83	0.00
13-Jul-25	9.26	1.58	1.62	0.11	9.35	16.32	1.04	0.40	0.00	0.00	0.00	0.00	10.29	2.90	0.00
14-Jul-25	9.14	2.03	1.18	0.00	9.87	17.85	0.86	0.41	0.00	0.00	0.04	0.00	12.38	3.11	0.00
15-Jul-25	11.74	3.49	1.59	0.12	11.10	18.97	1.04	0.46	0.00	0.00	0.00	0.00	13.88	2.87	0.00
16-Jul-25	14.90	3.70	1.44	0.03	8.71	18.43	1.08	0.35	0.00	0.00	0.30	0.00	14.58	2.95	0.00
17-Jul-25	11.56	2.44	1.39	0.00	10.07	18.44	1.04	0.38	0.00	0.00	0.32	0.00	12.81	2.92	0.00
18-Jul-25	10.29	2.22	1.35	0.04	9.12	16.15	1.04	0.32	0.00	0.00	0.31	0.00	12.39	3.00	0.00
19-Jul-25	8.54	1.61	1.11	0.04	9.11	16.05	0.97	0.42	0.00	0.00	0.47	0.00	13.01	2.99	0.00
20-Jul-25	15.37	3.93	1.67	0.00	4.29	24.91	0.80	0.63	0.00	0.00	0.00	0.00	12.52	2.55	0.00
21-Jul-25	16.38	4.18	1.91	0.13	3.86	25.28	0.90	0.63	0.00	0.00	1.02	0.00	12.47	3.17	0.00
22-Jul-25	15.81	3.92	1.88	0.27	12.22	20.75	0.96	0.60	0.00	0.00	0.05	0.00	12.08	2.88	0.00
23-Jul-25	15.97	3.90	2.04	0.70	12.68	20.26	1.15	0.64	0.00	0.00	0.00	0.00	10.73	2.76	0.00
24-Jul-25	15.83	3.61	1.90	0.75	10.76	18.70	1.21	0.58	0.00	0.00	0.00	0.00	11.44	3.10	0.00
25-Jul-25	14.52	3.62	1.97	0.34	6.30	29.58	0.70	0.89	0.00	0.00	0.00	0.00	12.44	3.13	0.00
26-Jul-25	15.79	3.94	2.32	0.42	0.00	35.46	0.03	1.46	0.00	0.00	0.46	0.00	14.10	3.53	0.00
27-Jul-25	16.32	4.11	1.99	0.29	0.00	29.79	0.92	0.80	0.00	0.00	0.00	0.00	13.07	3.09	0.00
28-Jul-25	16.47	4.28	2.17	0.38	0.00	30.83	0.99	0.85	0.00	0.00	0.34	0.00	13.51	2.95	0.00
29-Jul-25	16.01	4.00	2.40	0.75	0.04	28.61	1.03	0.80	0.00	0.00	0.30	0.00	13.40	3.14	0.00
30-Jul-25	16.05	4.02	2.13	0.80	9.63	20.09	0.93	0.55	0.00	0.00	0.11	0.00	13.07	3.14	0.00
31-Jul-25	15.85	3.90	1.78	0.49	10.32	19.31	0.75	0.59	0.00	0.00	0.66	0.00	13.81	2.99	0.00
<b>Total</b>	<b>431.87</b>	<b>83.02</b>	<b>56.18</b>	<b>10.14</b>	<b>224.59</b>	<b>687.90</b>	<b>29.20</b>	<b>18.14</b>	<b>0.00</b>	<b>0.00</b>	<b>5.69</b>	<b>0.00</b>	<b>387.90</b>	<b>92.35</b>	<b>0.00</b>

Based on SEM/Energy meter data for links where available (\*Mangdechu generation receipt at APD through a bypassed arrangement at 400kV Punatsanchu station)

**16.2 Export to neighbouring countries during Jul 2025**  
**(All figures in MU)**

Date	16.2 Export to neighbouring countries during Jul 2025 (All figures in MU)														
	Export to Bhutan								Export to Bangladesh		Export to Nepal				
	400 kV Tala-Binaguri I,II & IV	400 kV Binaguri-Malbase	220 kV Birpara-Chuka D/C	220 kV Birpara-Malbase	400 kV Punatsanchu-Alipurduwar D/C*	400 kV Jigmeling-Alipurduwar D/C	132 kV Rangia-Motanga	132 kV Salakati-Gelephu	400 kV Behrampur-Bheramara 1,2,3&4	132 kV Surjyamanigar-Comilla D/C	132 kV Tanakpur-Mahendranagar	From UP Source	400 kV Muzaffarpur-Dhalkebar	From BIHAR Source	11 kV Moreh-Tamu
1-Jul-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23.13	1.04	0.00	0.00	0.00	0.00	0.02
2-Jul-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.88	1.01	0.00	0.00	0.00	0.00	0.03
3-Jul-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.60	0.95	0.04	0.00	0.00	0.00	0.02
4-Jul-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.63	0.88	0.21	0.00	0.00	0.00	0.03
5-Jul-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.65	0.91	0.00	0.00	0.00	0.00	0.02
6-Jul-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.65	0.91	0.00	0.00	0.00	0.00	0.02
7-Jul-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.68	0.84	0.11	0.00	0.00	0.00	0.03
8-Jul-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.63	0.74	0.18	0.00	0.00	0.00	0.00
9-Jul-25	0.00	0.00	0.00	0.11	0.00	0.00	0.00	0.00	22.81	0.71	0.04	0.00	0.00	0.00	0.03
10-Jul-25	0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.00	22.10	0.70	0.08	0.00	0.00	0.00	0.02
11-Jul-25	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	23.03	0.79	0.15	0.00	0.00	0.00	0.04
12-Jul-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.58	0.92	0.25	0.00	0.00	0.00	0.01
13-Jul-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.55	1.03	0.31	0.00	0.00	0.00	0.02
14-Jul-25	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	22.69	0.78	0.00	0.00	0.00	0.00	0.02
15-Jul-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.52	0.64	0.38	0.00	0.00	0.00	0.03
16-Jul-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.52	0.68	0.00	0.00	0.00	0.00	0.02
17-Jul-25	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	22.79	0.65	0.00	0.00	0.00	0.00	0.03
18-Jul-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.14	0.63	0.00	0.00	0.00	0.00	0.03
19-Jul-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.12	0.68	0.00	0.00	0.00	0.00	0.02
20-Jul-25	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	22.09	0.62	0.02	0.00	0.00	0.00	0.04
21-Jul-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.03	0.62	0.00	0.00	0.00	0.00	0.03
22-Jul-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.79	0.63	0.00	0.00	0.00	0.00	0.02
23-Jul-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.92	1.04	0.18	0.00	0.00	0.00	0.03
24-Jul-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.80	0.82	0.19	0.00	0.00	0.00	0.02
25-Jul-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.73	0.77	0.21	0.00	0.00	0.00	0.02
26-Jul-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.75	0.89	0.00	0.00	0.00	0.00	0.02
27-Jul-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.01	0.89	0.42	0.00	0.00	0.00	0.02
28-Jul-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.08	1.02	0.00	0.00	0.00	0.00	0.01
29-Jul-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.79	0.97	0.00	0.00	0.00	0.00	0.02
30-Jul-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.85	0.92	0.00	0.00	0.00	0.00	0.03
31-Jul-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.41	0.94	0.00	0.00	0.00	0.00	0.03
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.39</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>680.94</b>	<b>25.63</b>	<b>2.76</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.71</b>

Based on SEM/Energy meter data for links where available (\*Mangdechu generation receipt at APD through a bypassed arrangement at 400kV Punatsanchu station)

**17. एसटीओए (द्विपक्षीय एवं सामूहिक) एवं डी एस एम बिलिंग का ब्योरा – जुलाई 2025**

**STOA (BILATERAL AND COLLECTIVE) & DSM BILLING DETAILS - JULY 2025**

**द्विपक्षीय एसटीओए BILATERAL SHORT TERM OPEN ACCESS**

जुलाई 2025 July 2025		Apr'25- Mar'26		
नोडल क्षेत्र भा.प्रे.के. का नाम Name of Nodal RLDC	अनमोदित लेन – देनों की संख्या No. of Approved Transactions	अनुमोदित ऊर्जा (मि.यु.) Energy Approved(MU)	अनमोदित लेन – देनों की संख्या No. of Approved Transactions	अनुमोदित ऊर्जा (मि.यु.) Energy Approved (MU)
उ. क्षे. NR	2306	6346	6731	14520
प.क्षे. WR	945	872	4022	3517
द.क्षे. SR	1277	728	2803	8487
प.क्षे. ER	636	1585	2325	5889
पूर्वोत्तर क्षे. NER	180	434	360	1126
<b>कुल TOTAL</b>	<b>5344</b>	<b>9965</b>	<b>16241</b>	<b>33539</b>

**एसटीओए SHORT TERM OPEN ACCESS**

	सामूहिक एसटीओए Collective STOA	द्विपक्षीय एसटीओए Bilateral STOA		
माह MONTH	क्रेताओं / विक्रेताओं की स. NO. of Buyers/Sellers	अनुमोदित ऊर्जा (मि.यु.) Approved Energy (MU)	अनमोदित लेन – देनों की संख्या No. of Approved Transactions	अनुमोदित ऊर्जा (मि.यु.) Approved Energy (MU)
अप्रैल 2025 Apr'25	13712	9041	2804	7138
मई 2025 May'25	14344	9129	3472	7546
जून 2025 Jun'25	14456	9860	4621	8890
जुलाई 2025 Jul'25	15157	11649	5344	9965
<b>कुल TOTAL</b>	<b>57669</b>	<b>39679</b>	<b>16241</b>	<b>33539</b>

मासिक डी एस एम बिलिंग का ब्योरा\* 2025-26  
MONTHLY DSM BILLING DETAILS\* 2025-26

अनंतिम आँकड़े  
Provisional data  
subject to change

करोड़ रु. मे (RS. IN CRORES)

क्षेत्र REGION →	उत्तरी क्षेत्र NORTH	पश्चिमी क्षेत्र WEST	दक्षिणी क्षेत्र SOUTH	पूर्वी क्षेत्र EAST	पूर्वोत्तर क्षेत्र NORTH EAST
सप्ताह WEEK ↓					
30.06.25 to 06.07.25	147.46	228.88	33.51	206.30	26.19
07.07.25 to 13.07.25	422.28	319.06	61.35	323.46	33.84
14.07.25 to 20.07.25	570.19	341.44	30.07	309.34	32.49
21.07.25 to 27.07.25	233.45	307.05	16.98	248.58	31.47
28.07.25 to 03.08.25	252.46	246.91	48.58	252.71	25.73

\* Amount shown is Payable to DSM pool ^Provisional Data

18. पावर मार्केट की सूचना ( स्रोत : आईएक्स & पीएक्स.आई.एल.)  
 POWER MARKET INFORMATION (Source IEX & PXIL)

पावर एक्सचेज के माध्यम से विनियय – माह:- जुलाई 2025  
 EXCHANGES THROUGH POWER EXCHANGES-JULY 2025

क्र. सं. S. No.	क्षेत्रीय इकाई Regional Entity	क्षेत्र Region	पावर एक्सचेज के माध्यम से (मि.ग्र. मे) Through Power Exchange in MU (DAM+HP DAM+RTM)	
1	AD HYDRO POWER LIMITED	जलरी क्षेत्र NR	128.28	0.00
2	ADANI GREEN ENERGY TWENTY FIVE LIMITED		52.91	0.00
3	ADANI GREEN ENERGY TWENTY FOUR LIMITED		48.65	0.00
4	ADANI SOLAR ENERGY JAISALMER TWO PRIVATE LIMITED(Project-2)		20.19	0.00
5	ADANI SOLAR ENERGY JODHPUR SIX PRIVATE LIMITED_50MW		6.60	0.00
6	ADANI SOLAR ENERGY JODHPUR TWO LIMITED		8.81	0.00
7	AMP Energy Green Four Private Limited		8.29	0.00
8	Adept Renewable Technologies Private Limited		20.62	0.00
9	Amp Energy Green Six Private Limited		18.58	0.00
10	Amplus Ages Private Limited		2.12	0.00
11	Budhil HEP (Greenko Budhil Hydro Power Pvt. Ltd.)		9.91	0.00
12	Chandigarh (UT)		55.13	7.00
13	Delhi		155.56	218.75
14	Eden Renewable Alma Private Limited		2.06	0.00
15	Government of Himachal Pradesh _ Chamera1HEP		12.89	3.45
16	Government of Himachal Pradesh _ Chamera3HEP		11.94	0.34
17	Government of Himachal Pradesh _ CHAMERA2HEP		14.47	0.46
18	Government of Himachal Pradesh_BairasuillHEP		6.82	2.36
19	Government of Himachal Pradesh_Koldam HEP		10.31	0.50
20	Government of Himachal Pradesh_NJHPS		21.54	6.58
21	Government of Himachal Pradesh_Parbatii2HEP		4.24	0.74
22	Government of Himachal Pradesh_Parbatii3HEP		15.64	5.13
23	Government of Himachal Pradesh_RampurHEP		7.31	1.91
24	Grian Energy Private Limited		2.31	0.00
25	Haryana		493.86	83.64
26	Himachal Pradesh		285.11	51.32
27	IGSTPS JHAKJAR		20.76	0.00
28	JUNIPER GREEN COSMIC PRIVATE LIMITED		13.25	0.00
29	JUNIPER NIRJARA ENERGY PRIVATE LIMITED		3.13	0.00
30	Jammu Kashmir		276.94	33.34
31	Juna Renewable Energy Private Limited		10.67	0.00
32	KARCHAM WANGTOO HYDRO ELECTRIC PLANT.		62.25	0.00
33	Khidrat Renewable Energy Private Limited		41.21	0.00
34	NEA Nepal Upper Chameliya Hydropower Project		7.12	0.00
35	NEA Nepal Upper Kalangagad Hydropower Project new		0.92	0.00
36	NTPC Dadri Stage I		9.67	0.00
37	NTPC Dadri Stage II		28.50	0.00
38	NTPC Rihand stage I		13.30	0.00
39	NTPC Rihand stage II		14.70	0.00
40	NTPC Rihand stage III		15.30	0.00
41	NTPC Singrauli		30.74	0.00
42	NTPC Tanda Stage II		7.86	0.00
43	NTPC Unchahar Stage I		3.57	0.00
44	NTPC Unchahar Stage II		5.02	0.00
45	NTPC Unchahar Stage III		2.76	0.00
46	NTPC Unchahar Stage IV		8.53	0.00
47	North Central Railway Prayagraj		0.00	15.25
48	Onevolt Energy Private Limited		2.26	0.00
49	Punjab		212.68	1211.84
50	RENEW SURYA PRATAP PRIVATE LIMITED		38.85	0.00
51	RENEW SURYA ROSHNI PRIVATE LIMITED-Fatehgarh-III PS		0.52	0.00
52	Rajasthan		617.57	65.09

18. पावर मार्केट की सूचना ( स्रोत : आईएक्स & पीएमसीआई, एल.)  
 POWER MARKET INFORMATION (Source IEX & PXIL)

पावर एक्सचेज के माध्यम से विनियम - माह:- जुलाई 2025  
 EXCHANGES THROUGH POWER EXCHANGES-JULY 2025

क्र. सं. S. No.	क्षेत्रीय इकाई Regional Entity	क्षेत्र Region	पावर एक्सचेज के माध्यम से (मि.ग्र. मे) Through Power Exchange in MU (DAM+HP DAM+RTM)	
53	ReNew Surya Ravi Private Limited		20.01	0.00
54	Renew Surya Jyoti Private Limited		10.59	0.00
55	SHREE CEMENT LIMITED TPS		52.38	1.00
56	Serentica Renewables India 4 Private Limited		3.74	0.00
57	Serentica Renewables India 5 Private Limited		9.24	0.00
58	Singoli Bhatwari HEP		24.21	1.08
59	Sorang HEP (Himachal Sorang Power Pvt. Ltd.)		44.80	0.00
60	TPSL 200MW TPTCL Banderwala		2.75	0.00
61	TPSL Banderwala SECI 100_INF		0.36	0.00
62	Transition Cleantech Services Private Limited		1.27	0.00
63	Transition Energy Services Private Limited		7.78	0.00
64	Transition Green Energy Private Limited		1.70	0.00
65	Transition Sustainable Energy Services One Private Limited		10.48	0.00
66	Uttar Pradesh		564.43	528.08
67	Uttarakhand		28.38	187.61
68	2X600 VEDANTA LIMITED Chhattisgarh Power Plant		3.87	17.60
69	ACB (INDIA) LIMITED		30.76	3.84
70	ADANI GREEN ENERGY TWENTY FOUR LIMITED_PSS4		29.62	0.00
71	ADANI GREEN ENERGY TWENTY SIX A LIMITED_PSS-3		1.86	0.00
72	ADANI HYBRID ENERGY JAISALMER FIVE LIMITED_PSS4		17.76	0.00
73	ADANI HYBRID ENERGY JAISALMER FIVE LIMITED_PSS5_Solar		5.21	0.00
74	ADANI PORTS AND SPECIAL ECONOMIC ZONE LIMITED (PSS-3)		23.33	0.00
75	ADANI RENEWABLE ENERGY FIFTY FIVE LIMITED_PSS-3 (162.5 MW Hybrid Solar of 187.5MW HPD)		24.94	0.00
76	ADANI RENEWABLE ENERGY FIFTY FIVE LIMITED_PSS3 (20.8 MW Hybrid Wind of 25 MW of 187.5MW HPD)		0.91	0.00
77	ADANI RENEWABLE ENERGY FIFTY FIVE LIMITED_PSS3 (25 MW Hybrid Solar of 25 MW of 187.5MW HPD)		0.22	0.00
78	ADANI RENEWABLE ENERGY FIFTY SEVEN LIMITED_PSS13		112.23	0.00
79	ADANI RENEWABLE ENERGY FIFTY SIX LIMITED_PSS4		34.77	0.00
80	ADANI RENEWABLE ENERGY FIFTY SIX LIMITED_PSS9		41.70	0.00
81	ADANI RENEWABLE ENERGY FORTY FIVE LIMITED_PSS5		26.07	0.00
82	ADANI RENEWABLE ENERGY FORTY ONE LIMITED_PSS-3		76.70	0.00
83	ADANI RENEWABLE ENERGY FORTY ONE LIMITED_PSS13		30.39	0.00
84	ADANI RENEWABLE ENERGY FORTY ONE LIMITED_PSS4		15.42	0.00
85	ADANI RENEWABLE ENERGY HOLDING FOUR LIMITED_PSS-1		106.45	0.00
86	ADANI WIND ENERGY KUTCHH FOUR Ltd. Nakhatrana		111.02	0.00
87	AMBUJA CEMENTS LIMITED_PSS3		8.29	0.00
88	AMBUJA CEMENTS LIMITED_PSS4_Hybrid Wind		11.53	0.00
89	Adani Green Energy Twenty Five A Limited_PSS-2		51.05	0.00
90	Adani Green Energy Twenty Five B Limited(Wind)_PSS9		34.55	0.00
91	Adani Green Energy Twenty Five B Limited_PSS-2		89.89	0.00
92	Adani Green Energy Twenty Four A Limited_PSS-3		61.46	0.00
93	Adani Green Energy Twenty Six B Limited_Hybrid Wind_PSS10		29.20	0.00
94	Adani Green Energy Twenty Six B Limited_PSS-2		26.20	0.00
95	Adani Ports and Special Economic Zone Limited_PSS4_Wind		13.40	0.00
96	Adani Power Limited - Raigarh TPP		113.48	1.53
97	Adani Power Limited-Raipur TPP		0.55	2.60
98	Adani Renewable Energy Fifty Six Limited_PSS10		36.50	0.00
99	ArcelorMittal Nippon Steel India Private Limited		0.00	92.13
100	BHARAT ALUMINIUM COMPANY LTD		25.39	0.00
101	Blue Leaf Energy Renewables Private Limited_Hybrid_Solar		2.06	0.00
102	Blue Leaf Energy Renewables Private Limited_Hybrid_Wind		7.57	0.00
103	CONTINUUM POWER TRADING (TN) PRIVATE LIMITED		2.02	0.00
104	Chhattisgarh		353.76	24.94

18. पावर मार्केट की सूचना ( स्रोत : आई.ई.एम.ए. एवं पी.एम.ए.आई.एल.)  
 POWER MARKET INFORMATION (Source IEX & PXIL)

पावर एक्सचेज के माध्यम से विनियमय – माह:- जुलाई 2025  
 EXCHANGES THROUGH POWER EXCHANGES-JULY 2025

क्र. स. S. No.	क्षेत्रीय इकाई Regional Entity	क्षेत्र Region	पावर एक्सचेज के माध्यम से (मि.ग्र. मे) Through Power Exchange in MU	
			(DAM+HP DAM+RTM)	
105	D B Power Limited	पश्चिमी क्षेत्र WR	76.98	0.00
106	Daman and Diu - Dadra and Nagar Haveli		0.00	320.80
107	Dhariwal ISTS		1.67	0.00
108	Goa WR		21.64	3.01
109	Gujarat		55.34	1200.79
110	Jaypee Nigri Super Thermal Power Plant		106.85	0.00
111	Jhabua Power Limited		5.76	8.99
112	Jindal Power Limited, Stage-1		125.78	0.64
113	Jindal Power Limited, Stage-2		328.78	10.09
114	Jindal Steel & Power Ltd , DCPP		4.52	3.03
115	KSK MAHANADI POWER COMPANY LIMITED		65.04	0.00
116	LANCO AMARKANTAK POWER LIMITED		5.33	0.00
117	MAHAN ENERGEN LIMITED U#1		111.18	0.00
118	MAHAN ENERGEN LIMITED U#2		100.06	0.00
119	MB POWER (MADHYA PRADESH) LIMITED		157.76	9.50
120	Madhya Pradesh		1101.05	46.58
121	Maharashtra		186.76	1902.21
122	Maruti Clean Coal and Power Limited		3.70	2.04
123	NTPC Gadarwara		20.04	0.00
124	NTPC Jhansi Gandhar GPS		0.00	0.77
125	NTPC Kawas GPS		0.00	0.67
126	NTPC Korba Stage I &II		27.62	0.00
127	NTPC Korba Stage III		9.03	0.00
128	NTPC Lara Stage I		14.81	0.00
129	NTPC Mouda Stage I		8.35	0.00
130	NTPC Mouda Stage II		17.12	0.00
131	NTPC SAIL POWER COMPANY LIMITED		0.93	0.00
132	NTPC SOLAPUR SOLAR PV Station		1.66	0.00
133	NTPC Sipat Stage I		36.11	0.00
134	NTPC Sipat Stage II		13.53	0.00
135	NTPC Solapur		4.60	0.00
136	NTPC VindhyaChal Stage I		18.78	0.00
137	NTPC VindhyaChal Stage II		15.76	0.00
138	NTPC VindhyaChal Stage III		18.24	0.00
139	NTPC VindhyaChal Stage IV		17.69	0.00
140	NTPC VindhyaChal Stage V		10.89	0.00
141	NTPC Khargone		10.59	0.00
142	Nani Virani Wind Energy Private Limited		3.28	0.00
143	O2 RENEWABLE ENERGY III PRIVATE LIMITED(Teq green X1 Merchant)		7.26	0.00
144	R.K.M POWERGEN PRIVATE LIMITED		6.36	0.00
145	RENEW GREEN (MHS ONE) PRIVATE LIMITED_SOLAR_HYBRID		1.12	0.00
146	RENEW GREEN (MHS THREE) PRIVATE LIMITED_HYBRID_SOLAR		20.04	0.00
147	RENEW GREEN (TN THREE) PRIVATE LIMITED		0.39	0.00
148	Ratnagiri Gas & Power Private Limited		0.00	2.48
149	SKS Power Generation Chhattisgarh Limited		22.62	39.68
150	Sasan Power Limited		32.82	0.00
151	TEQ GREEN POWER XI PRIVATE LIMITED_C&I(Hybrid_wind)		10.67	0.00
152	TRN ENERGY PRIVATE LIMITED		4.48	0.00
153	The Tata Power Co Ltd (MTPS)		0.02	5.81
154	WIND FIVE RENERGY LIMITED		6.75	0.00

18. पावर मार्केट की सूचना ( स्रोत : आईएक्स & पीएमसीएपीएल.)  
 POWER MARKET INFORMATION (Source IEX & PXIL)

पावर एक्सचेज के माध्यम से विनियय - माह:- जुलाई 2025  
 EXCHANGES THROUGH POWER EXCHANGES-JULY 2025

क्र. स. S. No.	क्षेत्रीय इकाई Regional Entity	क्षेत्र Region	पावर एक्सचेज के माध्यम से (मि.ग्र. मे) Through Power Exchange in MU	
			(DAM+HP DAM+RTM)	
155	AM GREEN ENERGY PRIVATE LIMITED Solar	दक्षिणी क्षेत्र SR	35.33	0.00
156	AM GREEN ENERGY PRIVATE LIMITED Wind		0.81	0.00
157	Andhra Pradesh		276.80	370.00
158	COASTAL ENERGEN PRIVATE LIMITED		8.51	0.35
159	GREENKO AP01 IREP PRIVATE LIMITED_INFIRM_Drawee		0.00	22.84
160	GREENKO AP01 IREP PRIVATE LIMITED_Infirm_Injectee		91.19	0.00
161	Goa SR		0.41	1.83
162	Greenko AP01 IREP Private Limited_Start UP		0.00	6.33
163	JINDAL POWER LIMITED SIMHPURI		89.28	0.20
164	KLEIO SOLAR POWER PRIVATE LIMITED (Solar)		13.68	0.00
165	KLEIO SOLAR POWER PRIVATE LIMITED (Wind)		47.77	0.00
166	Karnataka		328.16	147.83
167	Kerala		29.02	159.80
168	MEENAKSHI ENERGY LIMITED		2.18	21.77
169	Meenakshi Energy Limited (Ph2)		5.63	13.45
170	NLC INDIA LIMITED NEYVELI NEW THERMAL POWER STATION		2.84	0.00
171	NLC INDIA LIMITED THERMAL POWER STATION I EXPANSION		2.90	0.00
172	NLC INDIA LIMITED THERMAL POWER STATION II EXPANSION		1.61	0.00
173	NLC INDIA LIMITED THERMAL POWER STATION II STAGE I		4.16	0.00
174	NLC INDIA LIMITED THERMAL POWER STATION II STAGE II		5.96	0.00
175	NLC Tamilnadu Power Limited		14.96	0.00
176	NTECL VALLUR		0.82	0.00
177	NTPC KUDGI		1.51	0.00
178	NTPC Ramagundam Stage I &II		4.22	0.00
179	NTPC Ramagundam Stage III		1.73	0.00
180	NTPC Simhadri Stage I		4.13	0.00
181	NTPC Simhadri Stage II		2.57	0.00
182	NTPC Talcher Super Thermal Power Station Stage II		15.81	0.00
183	NTPC Telangana		0.53	0.00
184	OSTRO KANNADA POWER PRIVATE LIMITED		29.32	0.00
185	Pondicherry UT		10.28	13.89
186	RENEW SURYA ROSHNI PRIVATE LIMITED Koppal PS		4.55	0.00
187	Ramagundam Floating solar		7.18	0.00
188	ReNew Surya Roshni Private Limited_Gadag		25.38	0.00
189	SEIL ENERGY INDIA LIMITED		17.54	0.00
190	SEIL Energy India Limited Project II		28.73	0.06
191	Serentica Renewables India 1 Private Limited		0.05	0.00
192	Simhadri FSP 15 MW		1.26	0.00
193	Simhadri Floating solar (10 MW)		1.20	0.00
194	Sprng Akshaya Urja Private Limited		0.03	0.00
195	Tamil Nadu		593.69	486.68
196	Telangana		73.16	2015.21
197	Zenataris Renewable Energy Private Limited		23.75	0.00
198	ADHUNIK POWER & NATURAL RESOURCES LIMITED		0.52	0.00
199	Basochhu Hydropower Plant Bhutan		28.09	0.00
200	Bihar		221.89	120.82
201	Chuzachen HEP		0.00	0.00
202	Damodar Valley Corporation		67.26	237.21
203	Dikchu Hydro Electric Project (Sneha Kinetic Power Projects Pvt. Ltd.)		42.34	0.00
204	GMR KAMALANGA ENERGY LTD-CTU		0.33	0.00

18. पावर मार्केट की सूचना ( स्रोत : आईएक्स & पीएमआर )  
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पावर एक्सचेज के माध्यम से विनियमय – माह:- जुलाई 2025  
 EXCHANGES THROUGH POWER EXCHANGES-JULY 2025

क्र. स. S. No.	क्षेत्रीय इकाई Regional Entity	क्षेत्र Region	पावर एक्सचेज के माध्यम से ( मि.ग्र. मे ) Through Power Exchange in MU	
			(DAM+HP DAM+RTM)	
205	IND BARATH ENERGY UTKAL LIMITED	पूर्वी क्षेत्र ER	86.49	20.04
206	JORETHANG LOOP HEP, DANS ENERGY PRIVATE LIMITED		0.33	0.00
207	Jharkhand		35.13	60.46
208	Jindal India Power Limited		58.61	0.00
209	KALI GANDAKI NEPAL ELECTRICITY AUTHORITY		103.74	0.00
210	KANTI BULEE UTPADAN NIGAM LIMITED		7.73	0.00
211	Kabeli B-1 Hydro Power Project NEPAL ELECTRICITY AUTHORITY		3.68	0.00
212	LIKHU-IV NEA		18.49	0.00
213	Lower Modi Hydro Power Project NEPAL ELECTRICITY AUTHORITY		0.57	0.00
214	MAITHON POWER LIMITED		2.62	0.00
215	MARSYANGDI NEPAL ELECTRICITY AUTHORITY		44.97	0.00
216	NABINAGAR POWER GENERATING COMPANY LIMITED		26.18	0.00
217	NEA Nepal Upper Dordi A Hydropower Project		1.26	0.00
218	NEPAL ELECTRICITY AUTHORITY-MIDDLE MARSYANGDI		40.46	0.00
219	NTPC BARH Stage I		7.45	0.00
220	NTPC BARH Stage II		2.45	0.00
221	NTPC Darlipali		3.07	0.00
222	NTPC Farakka stage I		22.86	0.00
223	NTPC Farakka stage III		4.50	0.00
224	NTPC Kahalgaon stage I		14.36	0.00
225	NTPC Kahalgaon stage II		23.91	0.00
226	NTPC North Karanpura STPS		10.40	0.00
227	NTPC Talcher Stage I		7.30	0.00
228	NTPP BRBCL		8.94	0.00
229	Nikachhu Hydropower Project		17.75	0.00
230	Odisha	पश्चिमांतर क्षेत्र NER	312.64	493.20
231	Rongnichu HEP		47.61	0.00
232	Sikkim		19.63	0.27
233	Solu Hydropower Project NEPAL ELECTRICITY AUTHORITY		1.47	0.00
234	Suchhu HEP		3.29	0.00
235	Tashiding HEP, Shiga Energy Private Limited		0.89	0.00
236	West Bengal		104.85	1249.28
237	AGARTALA GAS BASED POWER STATION		21.44	0.00
238	ASSAM GAS BASED POWER STATION		6.22	0.00
239	Arunachal Pradesh		20.80	0.67
240	Assam		235.05	26.39
241	Bongaigaon Thermal Power Station NTPC		10.15	0.00
242	KAMENG HYDRO POWER STATION		17.42	0.00
243	Khandong PS		0.88	0.00
244	Manipur		5.96	11.17
245	Meghalaya		9.78	29.42
246	Mizoram		30.45	0.00
247	Nagaland		12.70	4.50
248	Palatana Plant		18.24	0.00
249	Tripura		12.48	9.69
	Total		11649	11649

**19. INFORMATION ABOUT RENEWABLE ENERGY  
CERTIFICATE MECHANISM**

**MONTH : JULY 2025**

**RE Source & Unit wise break up (01.07.2025-31.07.2025)**

Sr.No	Source Wise	Accreditation		Registration	
		Capacity (MW)	Unit	Capacity (MW)	Unit
1	Wind	0	0	281	8
2	Urban or Municipal Waste	0	0	0	0
3	Solar Thermal	0	0	0	0
4	Solar PV	281	2	735	2
5	Small Hydro	0	0	0	0
6	Others	0	0	0	0
7	Geothermal	0	0	0	0
8	Biomass	0	0	0	0
9	Bio-fuel cogeneration	0	0	0	0
	Total	281	2	1016	10

**RECs Issued (01.07.2025-31.07.2025)**

Sr.No.	Non Solar	Solar	Total
1	11535977	187275	11723252

**Redemption of REC (01.07.2025-31.07.2025)**

Sr.No.	Non Solar	Solar	Total
1	4976728	26429	5003157

**19. INFORMATION ABOUT RENEWABLE ENERGY  
CERTIFICATE MECHANISM**

**MONTH : JULY 2025**

**RE Source & Unit wise break up (Apr'25-Mar'26)**

Sr.No	Source Wise	Accreditation		Registration	
		Capacity (MW)	Unit	Capacity (MW)	Unit
1	Wind	278	4	298	16
2	Urban or Municipal Waste	0	0	0	0
3	Solar Thermal	0	0	0	0
4	Solar PV	1526	8	3698	11
5	Small Hydro	0	0	14	1
6	Others	0	0	0	0
7	Geothermal	0	0	0	0
8	Biomass	0	0	0	0
9	Bio-fuel cogeneration	0	0	0	0
	<b>Total</b>	<b>1804</b>	<b>12</b>	<b>4010</b>	<b>28</b>

**RECs Issued (Apr'25-Mar'26)**

Sr.No.	Non Solar	Solar	Total
1	18849498	499120	19348618

**Redemption of REC (Apr'25-Mar'26)**

Sr.No.	Non Solar	Solar	Total
1	13425753	146365	13572118

**19. INFORMATION ABOUT RENEWABLE ENERGY  
CERTIFICATE MECHANISM**

**MONTH : JULY 2025**

**RE Source & Unit wise break up Since Inception to Jul'25**

Sr.No	Source Wise	Accreditation		Registration	
		Capacity (MW)	Unit	Capacity (MW)	Unit
1	Wind	3611	543	3446	547
2	Urban or Municipal Waste	12	1	12	1
3	Solar Thermal	0	0	0	0
4	Solar PV	7040	575	6409	511
5	Small Hydro	883	44	895	46
6	Others	4	2	3	1
7	Geothermal	0	0	0	0
8	Biomass	402	37	378	35
9	Bio-fuel cogeneration	823	91	383	55
	<b>Total</b>	<b>12775</b>	<b>1293</b>	<b>11526</b>	<b>1196</b>

**RECs Issued since Inception to Jul'25**

Sr.No.	Non Solar	Solar	Total
1	174793578	15247958	190041536

**Redemption of REC since Inception to Jul'25**

Sr.No.	Non Solar	Solar	Total
1	121445529	13153181	134598710

**REC Closing balance as on 31.07.2025**

Sr.No.	Non Solar	Solar	Total
1	37150015	1680232	38830247

## 20. Details of Grid Events during the Month of July 2025 in Northern Region

Sl No.	Category of Grid Event ( GI for GI 2 / GD-1 to GD-5)	Affected Area	Time and Date of occurrence of Grid Event	Time and Date of Restoration	Duration (HH:MM)	Loss of generation / loss of load during the Grid Event		% Loss of generation / loss of load w.r.t Antecedent Generation/Load in the Regional Grid/Load in the Grid Event	Antecedent Generation/Load in the Regional Grid*	Brief details of the event ( pre fault and post fault system conditions)				Elements Tripped
						Generation Loss(MW)	Load Loss (MW)			% Generation Loss (MW)	% Load Loss (MW)	Antecedent Generation (MW)	Antecedent Load (MW)	
1	GD-1	Punjab	01-07-2025 11:06	01-07-2025 11:52	00:46	0	582	0.00%	88.03%	59227	66112	i)220/132 KV Moga(P5) has double main bus system at 220KV level.During antecedent condition, 220 KV Moga(P5)-Baghupurana Ckt-1 was under outage and also 220KV Moga(P5)-Baghupurana Ckt-1 & 2 was already under tripped condition. As reported, at 10:50 hrs, R-phase conductor of 220KV Moga(P5)-Baghupurana Ckt-2 snapped and both the lines tripped in zone-1 protection operation at Moga end due to phase to earth fault. At 11:05 hrs, R-phase jumper of 220 KV Moga(P5) [PSTCL] Ckt-3 snapped and came in contact with Y-phase conductor. On this fault O/C/E/F relay at Moga(P5) end did not pick up (which was only in operation during the event) and line tripped from Moga(P5) end only.ii)This fault was also fed by 220 KV Moga(PG)-Moga(P5) [PSTCL] Ckt-2 & 4 and these Ckt-2 also tripped from Moga(PG) end while Ckt-4 tripped from both the ends (exact nature of protection operated yet to be shared). iv)220 KV Moga(P5)-Kotkaror (PSTCL) Ckt-1 & 2 tripped from Moga(P5) end sensing the fault in zone-4. Further, 220KV Moga(P5)-Sadiq Ckt also tripped from Moga(P5) end, but reason of tripping could not be identified due to connectivity issue in Main-2 relay. v)Due to tripping of all 220KV lines connected to Moga(P5), complete blackout occurred at 220/132KV Moga(P5) 5/s. vi)During the same time, busbar protection operated at Ajitwal(P5) and 220KV Ajitwal-Himmatpura (P5) Ckt-1 & 2 tripped from Ajitwal(P5) end (exact nature of protection operated yet to be shared).vii)As per SCADA, 220KV GHTP-Himmatpura (P5) Ckt-1 & 2 tripped due to protection operation (exact nature of protection operated and exact reason, nature and location of fault yet to be shared). viii)As per PMU at Ludhiana(PG), R-Y phase to phase fault followed by B-N phase to earth fault was observed with fault clearing time of 240 ms & 120 ms respectively. x)As per SCADA, change in demand of approx. 105 MW was observed in Punjab control area. However, as reported by SLDC Punjab, load loss of approx. 582 MW occurred in Punjab control area.xi)As reported by Punjab, line differential along with distance protection installation will be completed within one week for 220 KV Moga(PG)-Moga(P5) [PSTCL] Ckt-1, 2, 3 & 4.	1) 220 KV Moga(PG)-Moga(P5) [PSTCL] Ckt-2 2) 220 KV Moga(PG)-Moga(P5) [PSTCL] Ckt-3 3) 220 KV Moga(PG)-Moga(P5) [PSTCL] Ckt-4 4) 220 KV Moga(P5)-Kotkaror (PSTCL) Ckt-1 5) 220 KV Moga(P5)-Kotkaror (PSTCL) Ckt-2 6) 220 KV Moga(P5)-Sadiq Ckt 7) 220KV GHTP-Himmatpura (P5) Ckt-1 8) 220KV GHTP-Himmatpura (P5) Ckt-2 9) 220 KV Moga(PG)-Badhni kalan(P5) [PSTCL] Ckt-1 10) 220 KV Moga(PG)-Ajitwal(P5) [PSTCL] Ckt-1 11) 220KV Ajitwal-Himmatpura (P5) Ckt 12) 220KV Badhni kalan-Himmatpura (P5) Ckt	
2	GI-1	Rajasthan	03-07-2025 11:21	03-07-2025 22:28	11:07	165	0	27.11%	0.00%	60870	73042	i)Generation of 220 KV RS DCL PSS2(IP) station evacuates through 220 KV Bhadla_2 (PG)-RS DCL(PSS2)_SL_BHD2_PG (RS DCL) Ckt-1 which is further connected to 220/33 KV 100 MVA ICT 1, 2 & 3 at RS DCL(PSS2)_SL_BHD2_PG. During antecedent condition, 220/33 KV 100 MVA ICT 1 at RS DCL(PSS2)_SL_BHD2_PG was under shutdown. 220 KV RS DCL(PSS2) was generating approx. 162 MW (as per SCADA); 220/33 KV 100 MVA ICT 2 & 3 at RS DCL(PSS2)_SL_BHD2_PG was carrying 81 MW each. ii)As reported, at 11:21hrs, 220/33 KV 100 MVA ICT 1 & 2 at RS DCL(PSS2)_SL_BHD2_PG tripped due to protection operation (exact nature of protection operation and exact reason, nature and location of fault yet to be shared). iii)As per PMU at Bhadla2(PG), Ckt-1 also tripped due to protection operation (exact nature of protection operated yet to be shared). iv)As per SCADA, dip in NR solar generation of approx. 165 MW was observed.	1) 220/33 KV 100 MVA ICT 2 at RS DCL(PSS2)_SL_BHD2_PG 2) 220/33 KV 100 MVA ICT 3 at RS DCL(PSS2)_SL_BHD2_PG	
3	GI-1	Rajasthan	04-07-2025 13:46	11-07-2025 18:08	172:22	225	0	34.55%	0.00%	65126	78965	i)Generation of 220 KV RS DCL PSS2(IP) station evacuates through 220 KV Bhadla_2 (PG)-RS DCL(PSS2)_SL_BHD2_PG (RS DCL) Ckt-1 which is further connected to 220/33 KV 100 MVA ICT 1, 2 & 3 at RS DCL(PSS2)_SL_BHD2_PG. During antecedent condition, 220 KV RS DCL(PSS2) was generating approx. 203 MW (as per SCADA); 220/33 KV 100 MVA ICT 2 & 3 at RS DCL(PSS2)_SL_BHD2_PG was carrying 65 MW, 68 MW and 70 MW respectively. ii)As reported, at 13:47hrs, 220/33 KV 100 MVA ICT 1 at RS DCL(PSS2)_SL_BHD2_PG tripped due to 33KV LV1 VCB Pole failure (exact nature of protection operation and exact reason, nature and location of fault yet to be shared). iii)During the same time, all 33 KV generation feeders tripped (exact reason yet to be shared). iv)As per PMU at Bhadla2(PG), R-Y phase to phase fault with delayed fault clearing time of 1200 ms was observed v)As per SCADA, dip in NR solar generation of approx. 225 MW was observed.	1) 220/33 KV 100 MVA ICT 1 at RS DCL(PSS2)_SL_BHD2_PG	
4	GI-1	Delhi	09-07-2025 17:31	09-07-2025 17:41	00:10	184	270	33.28%	39.43%	55296	68469	i)220/66KV Patparganj(DTL) has double main Bus arrangement at 220KV side. ii)During antecedent condition, 220 KV Patparganj-IPPOS (DTL) Ckt-1 & 2, 220 KV Patparganj-Geeta Colony (DTL) Ckt-1 & 2, 220 KV Patparganj-Ghazipur (DTL) Ckt and 220/66KV 100MVA ICT-1 & 2 at Patparganj(DTL) were connected to 220KV Bus-2 at Patparganj(DTL) and 220KV Patparganj-Preeti Vihar Ckt-1 & 2 and 220/33KV 100MVA ICT-1 & 3 were connected to 220KV Bus-1 at Patparganj(DTL). 220KV Bus coupler was in OFF position. 104 MW GT-1 and 122 MW STG at Pragati (PPCL) were generating approx. 80 MW and 104 MW respectively. iii)As reported, at 17:31 hrs, bus bar protection operated at 220KV Bus-2 at Patparganj(DTL) and all the elements connected to Bus-2 tripped and Bus-2 became dead (exact nature, location and reason of fault yet to be shared). iv)During the same time, 220 KV Rajghat-IPPOS (DTL) Ckt-1 & 2 also tripped (exact reason and nature of protection operated yet to be shared). v)As reported by SLDC Delhi, 104 MW GT-1 and 122 MW STG at Pragati (PPCL) tripped during the same time (exact reason and nature of protection operated yet to be shared). vi)As per PMU at Dwarika(PG), R-Y phase to phase fault with fault clearance time of 100ms/sec was observed. vii)As per SCADA, change in demand of approx. 405 MW in Delhi control area was observed. However, as reported by SLDC Delhi, load loss of approx. 270 MW in Delhi control area and generation loss of approx. 184 MW at Pragati(PPCL) occurred. viii)As reported by SLDC Delhi, at 17:38 hrs, 220KV Bus couple was closed at Pragati and IPPOS normalised.	1) 220 KV Patparganj-IPPOS (DTL) Ckt-1 2) 220 KV Patparganj-IPPOS (DTL) Ckt-2 3) 220 KV Patparganj-Geeta Colony (DTL) Ckt-1 4) 220 KV Patparganj-Geeta Colony (DTL) Ckt-2 5) 220 KV Patparganj-Ghazipur (DTL) Ckt 6) 220/66KV 100MVA ICT-1 at Patparganj(DTL) 7) 220/66KV 100MVA ICT-2 at Patparganj(DTL) 8) 220 KV Rajghat-IPPOS (DTL) Ckt-1 9) 220 KV Rajghat-IPPOS (DTL) Ckt-2 10) 104 MW GT-1 at Pragati (PPCL) 11) 122 MW STG at Pragati (PPCL)	
5	GD-1	Rajasthan	10-07-2025 13:15	10-07-2025 14:33	01:18	410	0	70.29%	0.00%	58326	63284	i)Generation of 220 KV ASER2 Phalodi(IP) and SBE6PL(IP) station evacuates through 220 KV ESUCL(IL) which is connected to Bhadla(PG) via 220 KV Bhadla(PG)-ESUCL SL_BHD_PG (ESUCL) D/C. ii)During antecedent condition, 220 KV Bhadla(PG)-ESUCL SL_BHD_PG (ESUCL) (ESUCL) Ckt-2 was under planned outage from 07-Jul-25 (19:37 hrs) due to LILO activities. iii)As reported, at 13:15hrs, 220 KV Bhadla(PG)-ESUCL SL_BHD_PG (ESUCL) (ESUCL) Ckt-1 tripped on B-N phase to earth fault (exact nature of protection operation and exact reason, nature and location of fault yet to be shared). iv)Due to tripping of 220 KV Bhadla(PG)-ESUCL SL_BHD_PG (ESUCL) (ESUCL) Ckt-1, complete blackout occurred at 220 KV ESUCL(IL). v)As per PMU at Bhadla(PG), B-N phase to earth fault with fault clearing time of 120 ms followed by fluctuation in voltage was observed. vi)As per SCADA, dip in NR solar generation of approx. 410 MW was observed.	1) 220 KV Bhadla(PG)-ESUCL SL_BHD_PG (ESUCL) (ESUCL) Ckt-1	
6	GI-1	Delhi	10-07-2025 15:41	10-07-2025 16:00	00:19	0	280	0.00%	43.09%	58212	64979	i)220/66KV Narela(DTL) has double main Bus arrangement at 220KV side. ii)As reported, at 15:41 hrs, 220 KV Mandola(PG)-Narela(DV) (DTL) Ckt-1 tripped on B-N phase to earth fault; fault sensed in zone-1 at Narela(DTL) end (exact nature, location and reason of fault yet to be shared). iii)During the same time, 220 KV Mandola(PG)-Narela(DV) (DTL) Ckt-2 also tripped on B-N phase to earth fault; fault sensed in zone-2 at Narela(DTL) end (exact nature, location and reason of fault yet to be shared). iv)As per PMU at Mandala(PG), Y-N phase to earth fault followed by two consecutive B-N faults with fault clearance time of respectively 120 ms, 480 ms (delayed) and 160 ms was observed. v)As per SCADA, change in demand of approx. 280 MW in Delhi control area was observed.	1) 220 KV Mandola(PG)-Narela(DV) (DTL) Ckt-1 2) 220 KV Mandola(PG)-Narela(DV) (DTL) Ckt-2	

**Details of Grid Events during the Month of July 2025 in Northern Region**

Sl No.	Category of Grid Event ( GI for GI 2/ GD-1 to GD-5)	Affected Area	Time and Date of occurrence of Grid Event	Time and Date of Restoration	Duration (HH:MM)	Loss of generation / loss of load during the Grid Event		% Loss of generation / loss of load w.r.t Antecedent Generation/Load in the Regional Grid	Antecedent Generation/Load in the Regional Grid*	Brief details of the event ( pre fault and post fault system conditions)				Elements Tripped			
						Generation Lost(MW)	Load Loss (MW)			% Generation Loss (MW)	% Load Loss (MW)	Antecedent Generation (MW)	Antecedent Load (MW)				
7	GD-1	Punjab	12-07-2025 11:43	12-07-2025 13:01	01:18	0	355	0.00%	49.63%	59924	71529	<p>i) 220/132/66kV Jamalpur(BB) has double main Bus arrangement at 220kV side.  ii) As reported, at 11:43 hrs, B phase CT of 220kV Bus Sectionalizer (A-18) at Jamalpur(BB) burst which led to bus bar protection operation at both the 220kV Bus-1 &amp; 2 at Jamalpur(BB).  iii) Due to this, all the elements connected to both the 220kV buses tripped and complete blackout occurred at Jamalpur(BB).  iv) As per PMU at Jalandhar(PG), B-N phase to earth fault with fault clearance time of 120 ms was observed.  v) As per SCADA, change in demand of approx. 355 MW in Punjab control area was observed.</p>				1) 220kV Bus 1 at Jamalpur(BB) 2) 220kV Bus 2 at Jamalpur(BB) 3) 220 KV Jalandhar-Jamalpur (BB) Ckt-1 4) 220 KV Jalandhar-Jamalpur (BB) Ckt-2 5) 220 KV Jamalpur(BB)-Sangrur(BB) (BBMB) Ckt-1 6) 220 KV Jamalpur(BB)-Sangrur(BB) (BBMB) Ckt-2 7) 220 KV Ganguwal-Jamalpur (BB) Ckt-1 8) 220 KV Ganguwal-Jamalpur (BB) Ckt-2 9) 220 KV Bhakra_R-Jamalpur (BB) Ckt-1 10) 220 KV Bhakra (BB) Ckt-2	
8	GD-1	Rajasthan	12-07-2025 15:41	12-07-2025 17:19	01:38	270	0	44.06%	0.00%	61285	69260	<p>i) Generation of 400KV SJVN Solar(IP) station evacuates through 400 KV Bikaner_2 (PBTSL)-SJVN_GEL_SL_BKN2 (SJVN_GEL_BKN2) Ckt.  ii) During antecedent condition, 400KV SJVN Solar(IP) was generating approx. 270 MW (as per SCADA). Tie CB at Bikaner2(PG) end of 400 KV Bikaner_2 (PBTSL)-SJVN_GEL_SL_BKN2 (SJVN_GEL_BKN2) Ckt was already in open condition.  iii) As reported, at 15:41hrs, DT was received on 190 relay of 400 KV Bikaner_2 (PBTSL)-SJVN_GEL_SL_BKN2 (SJVN_GEL_BKN2) Ckt at SJVN end and 400 KV Bikaner_2 (PBTSL)-SJVN_GEL_SL_BKN2 (SJVN_GEL_BKN2) Ckt tripped (exact reason of tripping and exact nature of protection operation at PG end yet to be shared).  iv) Due to tripping of 400 KV Bikaner_2 (PBTSL)-SJVN_GEL_SL_BKN2 (SJVN_GEL_BKN2) Ckt, complete blackout occurred at 400KV SJVN Solar(IP).  v) As per PMU at Bikaner2(PG), no fault was observed in the system.  vi) As per SCADA, dip in NR solar generation of approx. 270 MW was observed.</p>				1) 400 KV Bikaner_2 (PBTSL)-SJVN_GEL_SL_BKN2 (SJVN_GEL_BKN2) Ckt	
9	GD-1	Uttarakhand	15-07-2025 12:28	15-07-2025 13:42	01:14	290	0	48.32%	0.00%	60021	66509	<p>i) 220kV Khodri(UK) and 220kV Chhibro(UK) generating station have 4 generating units each of 30MW and 60MW respectively and have double main bus scheme. ii) During antecedent condition, 30 MW Unit-1, 2, 3 &amp; 4 at Khodri(UK) were in running condition and were generating approx. 23 MW, 22 MW, 23 MW and 22 MW respectively. Also, 60 MW Unit-1, 2, 3 &amp; 4 at Chhibro(UK) were in running condition and were generating approx. 51 MW, 52 MW, 47 MW and 52 MW respectively (as per SCADA). 220kV Khodri-Jhajra Ckt was under shutdown for tracing the DC supply fault in its control circuit. iii) As reported, at 12:28 hrs, heavy flashover was observed at B-phase insulator bushing of 220kV Khodri-Jhajra Ckt which created bus fault at 220kV Khodri(UK).  iv) As bus bar protection was not healthy at 220kV Khodri(UK), all the feeders except 220 KV Khodri - Chhibro (UK) Ckt-1 &amp; 2 tripped from Khodri end sensing the fault in zone-4. However, 220 KV Khodri - Chhibro (UK) Ckt-3 tripped from Chhibro end only (exact nature of protection operated at Chhibro yet to be shared). v) As per DR of Main-2 relay at Khodri end of 220 KV Sarswan(UP)-Khodri(UK) (UP) Ckt, fault was sensed in zone-3 at Khodri end (it seems that there is wrong DR channel configuration); fault current= ~2.15kA at Khodri end and fault clearing time= ~220ms. vi) As per DR at Khodri end of 220 KV Khodri(UK)-Majri(HP) (HP) Ckt-2, line tripped due to direction E/F protection operation at Khodri end. vii) At the same time, all the units at khodri(UK) and Chhibro(UK) tripped on overcurrent protection operation and complete blackout occurred at 220kV khodri(UK) and 220kV Chhibro(UK). viii) As per PMU at Dehradun(PG), B-N phase to earth fault with fault clearing time of 240 ms was observed. ix) As per SCADA, generation loss of approx. 290 MW was observed in Uttarakhand control area.</p>				1) 220 KV Khodri(UK)-Majri(HP) (UK) Ckt-1 2) 220 KV khodri(UK)-Majri(HP) (UK) Ckt-2 3) 220 KV khodri - Chhibro (UK) Ckt-1 & 2 4) 220 KV Sarswan(UP)-Khodri(UK) (UP) Ckt 5) 220 KV Saharanpur(UP)-Khodri(UK) (UP) Ckt 6) 220/132 KV 100 MVA ICT at khodri(UK) 7) 30 MW Unit-1,2,3,4 at khodri(UK) 8) 60 MW Unit-1,2,3,4 at Chhibro(UK)	
10	GD-1	Jammu and Kashmir	15-07-2025 11:17	15-07-2025 12:00	00:43	395	175	66.29%	26.58%	59590	65841	<p>i) During antecedent condition, 115 MW unit-1, 3 &amp; 5 and 220kV feeders to Kishenpur-II &amp; III, Jammu-II were connected to 220kV Bus-1 at Salal HEP and 115 MW unit-2 &amp; 4 and 220kV feeders to Kishenpur-I &amp; IV, Jammu-I were connected to 220kV Bus-2 at Salal HEP. Total generation of Salal HEP was ~395 MW.  ii) As reported by NHPC, at 17:02 hrs, an attempt was made to out the 115 MW Unit-4 at Salal HEP. However, B-ph CB of Unit-4 got stuck. LBB protection initiated but due to some issue in LBB relay operation, tripping command to adjacent bays didn't initiate.  iii) Multiple attempts were made by the plant operator to open the CB of unit-4 however it couldn't open and LBB relay also didn't operate as per scheme.  iv) Butcher at 11:17 hrs, the plant operator made an attempt to open the unit-4 isolators with the purpose of isolating the unit-4. However, as the isolator was opened in ON load condition, flashover occurred which resulted in fault in system.  v) As per PMU at Kishenpur(PG), R-B phase to phase fault cleared within 100 msec is observed.  vi) At the same time, all the running units at Salal HEP and 220kV lines tripped. The exact details of protection operation yet to be received from NHPC.  vii) As per SCADA, change in load of ~175 MW in J&amp;K control area and generation loss of approx. 395MW at Salal HEP(NHPC). Load of J&amp;K affected due to tripping of 220kV Salal-Jammu D/C.</p>				1) 220 KV Kishenpur(PG)- Salal(NH) (PG) Ckt-1 2) 220 KV Kishenpur(PG)-Salal(NH) (PG) Ckt-2 3) 220 KV Kishenpur(PG)- Salal(NH) (PG) Ckt-3 4) 220 KV Kishenpur(PG)-Salal(NH) (PG) Ckt-4 5) 220 KV Salal(NH)-Jammu(PDD) (PG) Ckt-1 6) 220 KV Salal(NH)-Jammu(PDD) (PG) Ckt-2 7) 115 MW Unit-1 at Salal HEP 8) 115 MW Unit-2 at Salal HEP 9) 115 MW Unit-3 at Salal HEP 10) 115 MW Unit-5 at Salal HEP 11) 115 MW Unit-6 at Salal HEP	
11	GD-1	Jammu and Kashmir	16-07-2025 13:42	16-07-2025 14:43	01:01	62	0	10.09%	0.00%	61467	65038	<p>i) Power flows from Alusteng(PG) to Drass(PG) to Kargil to Khalst to Leh (radial connection). Chutak HEP is connected to Kargil 5/s and Nimoo Bazgo HEP is connected to Leh 5/s at 66kV level.  ii) As reported, at 13:42 hrs, 220 KV Alusteng-Drass (PG) Ckt tripped on R-B phase to phase fault. Fault occurred due to a tree near tower span 200-201 which came in contact with the conductor due to landslide.  iii) With the tripping of 220 KV Alusteng-Drass (PG) Ckt, complete blackout occurred at 220/66kV Drass(PG) and supply to Kargil, Khalst and Leh also failed.  iv) Generation of Chutak HEP and Nimoo Bazgo HEP tripped due to loss of evacuation path resulting in generation loss of approx. 40 MW &amp; 22 MW at Chutak and Nimoo Bazgo respectively (as per SCADA).  v) As per PMU at Amargarh(INDIGRID), R-B phase to phase fault is observed with fault clearing time of 80msec.  vi) As per SCADA, no change in demand is observed in J&amp;K control area.</p>				1) 220 KV Alusteng-Drass (PG) Ckt	

### Details of Grid Events during the Month of July 2025 in Northern Region

Sl No.	Category of Grid Event ( GI for GI 2 / GD-1 to GD-5)	Affected Area	Time and Date of occurrence of Grid Event	Time and Date of Restoration	Duration (HH:MM)	Loss of generation / loss of load during the Grid Event		% Loss of generation / loss of load w.r.t Antecedent Generation/Load in the Regional Grid in the Grid Event	Antecedent Generation/Load in the Regional Grid*	Brief details of the event ( pre fault and post fault system conditions)				Elements Tripped
						Generation Loss(MW)	Load Loss (MW)			Antecedent Generation (MW)	Antecedent Load (MW)			
12	GI-2	Uttar Pradesh	16-07-2025 17:05	16-07-2025 17:57	00:52	355	0	62.53%	0.00%	56777	63505	i) During antecedent condition, 200 MW Unit-9, 10, 11 & 13 at Obra_B TPS were running and generating total ~355 MW. 400/220 KV ICTs as Obra_B and 400KV Obra_B_Jaunpur line were also under outage. Generation was evacuating through 400KV lines to Sultanpur, Obra_C and Allahabad Rewa Road. ii) As reported, at 17:05 hrs while synchronizing Unit-12 at Obra_B(UP), unit CB got blast. At the same time, all the elements connected at 400KV Obra_B(UP) tripped on bus bar protection operation. Reason of tripping of both the bus yet to be received from UPPTCL. iii) As per PMU at Allahabad(PG), no fault in system is observed. However, significant fluctuation in Y-ph voltage is observed during the event. iv) As per DR of 400KV lines of remote end i.e., Anpara, Sultanpur & Obra_C, there was no fault in system just prior to the tripping. From DR of 400KV Anpara-Obra_B line of Anpara end, DR received signal is observed. DR files of Obra_B end haven't been received yet. v) Both 400KV Bus-1&2 got dead during the event. vi) As per SCADA, generation loss of ~355 MW occurred at Obra_B TPS and no change in UP demand is observed.	1) 400 KV OBRA_C_TPS-OBRA_B (UP) CKT 2) 400 KV ANPARA-OBRA_B (UP) CKT 3) 400 KV OBRA_B-SULTANPUR (UP) CKT 4) 400 KV OBRA_B-ALLAHABAD REWA ROAD (UP) CKT 5) 200 MW UNIT-9 AT OBRA TPS 6) 200 MW UNIT-10 AT OBRA TPS 7) 200 MW UNIT-11 AT OBRA TPS 8) 200 MW UNIT-13 AT OBRA TPS	
13	GI-1	Uttarakhand	20-07-2025 18:44	20-07-2025 20:05	01:21	114	0	21.79%	0.00%	52315	66401	i) 220KV Khodri(UK) and 220KV Chhibro(UK) generating station have 4 generating units each of 30MW and 60MW respectively and have double main bus scheme. ii) During antecedent condition, 30 MW Unit-1, 2, 3 & 4 at Khodri(UK) were in running condition and were generating approx. 23 MW, 22 MW, 23 MW and 22 MW respectively. Also, 50 MW Unit-1, 2, 3 & 4 at Chhibro(UK) were in running condition and were generating approx. 51 MW, 53 MW, 47 MW and 52 MW respectively (as per SCADA). iii) As reported, at 18:44 hrs, R-ph LA at Majri end of 220KV Majri-VISCO feeder blast. It led to the tripping of 220 KV Khodri(UK)-Majri(HP) (UK) Ckt-1 & 2. 220 KV khodri(UK)-Majri(HP) (UK) Ckt-1 tripped from Majri end only, (exact reason, nature and location of fault yet to be shared). iv) As per DR at Khodri end of 220 KV Khodri(UK)-Majri(HP) (UK) Ckt-2, direction E/F protection operated at Khodri end. v) Due to this disturbance, Stand-by E/F protection operated at 30 MW Unit-2, 3 & 4 at khodri(UK). But due to delayed opening of CB at Unit-4, LBB protection operated which led to further tripping of 220 KV Khodri - Chhibro (UK) Ckt-2, 220 KV Saharanpur-(UP)-Khodri(UK) (UP) Ckt, and 220/132 KV 100 MW ICT at Khodri(UK). v) As per DR at Khodri end of 220 KV Saharanpur(UP)-Khodri(UK) (UP) Ckt, line tripped from Khodri end only. R-N fault with fault current of ~1.05KA from Khodri and fault clearing time of ~160ms was observed. vi) As per PMU at Chhibro(UK) also tripped (exact reason of protection operated yet to be shared). vii) As per SCADA, generation loss of approx. 114 MW was observed in Uttarakhand control area.	1) 220 KV Khodri(UK)-Majri(HP) (UK) Ckt-1 2) 220 KV khodri(UK)-Majri(HP) (UK) Ckt-2 3) 220 KV Khodri - Chhibro (UK) Ckt-2 4) 220 KV Saharanpur(UP)-Khodri(UK) (UP) Ckt 5) 220/132 KV 100 MVA ICT at Khodri(UK) 6) 30 MW Unit-2 at Khodri(UK) 7) 30 MW Unit-3 at Khodri(UK) 8) 30 MW Unit-4 at Khodri(UK) 9) 60 MW Unit-3 at Chhibro(UK)	
14	GD-1	Rajasthan	22-07-2025 09:49	22-07-2025 19:40	09:51	229	0	37.99%	0.00%	60273	68952	i) Generation of 220 KV RSDCL PSS2(IP) station evacuates through 220 KV Bhadla_2 (PG)-RSDCL(PSS2)_SL_BHD2_PG (RSDCL) Ckt-1 which is further connected to 220/33 KV 100 MVA ICT 1, 2 & 3 at RSDCL(PSS2)_SL_BHD2_PG. During antecedent condition, 220 KV RSDCL PSS2(IP) was generating approx. 170 MW (as per SCADA). ii) As reported, at 09:49hrs, 220 KV Bhadla_2 (PG)-RSDCL(PSS2)_SL_BHD2_PG (RSDCL) Ckt-1 tripped on B-N phase to earth fault due to B-phase jumper broken in yard (exact nature of protection operation and exact reason, nature and location of fault yet to be shared). iii) Due to tripping of 220 KV Bhadla_2 (PG)-RSDCL(PSS2)_SL_BHD2_PG (RSDCL) Ckt-1, complete blackout occurred at 220 KV RSDCL PSS2(IP) 5/s due to loss of evacuation path. iv) As per PMU at Bhadla2(PG), B-N phase to earth fault with delayed fault clearing time of 520 ms was observed. v) As per SCADA, dip in NR solar generation of approx. 229 MW was observed.	1) 220 KV Bhadla_2 (PG)-RSDCL(PSS2)_SL_BHD2_PG (RSDCL) Ckt-1	
15	GD-1	Uttarakhand	22-07-2025 19:46	23-07-2025 10:59	15:13	1435	0	270.45%	0.00%	53059	71591	i) During antecedent condition, 765kV Koteswar-Meerut (PG) ckt-1 was under planned shutdown. Total generation of Tehri and Koteswar was evacuating through 765kV Koteswar-Meerut (PG) ckt-1. ii) As reported, at 19:46 hrs, 765kV Koteswar-Meerut (PG) ckt-1 tripped on B-N phase to earth fault after unsuccessful A/R operation due to permanent nature of fault. Fault distance was 60.86km and fault current was 6.4KA from Koteswar(PG) end. iii) As per PMU data, B-N fault and unsuccessful A/R operation of 765kV Koteswar-Meerut (PG) ckt-1 was observed. It was also observed that all the Tehri generation tripped with loss of evacuation path. However, one unit of the Koteswar HEP got islanded with Tehri PSP unit-5 which further collapsed within 1.5 sec. iv) As per SCADA, total loss of ~1435 MW generation (~845 MW at Tehri HEP, ~390 MW at Koteswar HEP and ~200 MW at Tehri PSP) in the complex is observed.	1) 765kV Koteswar-Meerut (PG) ckt-2 2) 250 MW Tehri HEP Unit-1 3) 250 MW Tehri HEP Unit-2 4) 250 MW Tehri HEP Unit-3 5) 250 MW Tehri HEP Unit-4 6) 250 MW Tehri PSP HEP Unit-5 7) 100 MW Koteswar HEP Unit-1 8) 100 MW Koteswar HEP Unit-2 9) 100 MW Koteswar HEP Unit-3 10) 100 MW Koteswar HEP Unit-4	
16	GD-1	Haryana	24-07-2025 09:49	24-07-2025 10:48	00:59	0	515	0.00%	72.76%	65937	70779	i) 220/120/33kV Panipat(BB) has double main Bus arrangement at 220kV side. There are two 220kV bus i.e., Bus-1 & 2. Further, Bus-2 is divided into two-part Bus-2A & Bus-2B. 400/220kV Panipat(BB) feeds the load of 220kV Dholkote, North Dholkote Road. Piph and sectionalise load connected through Panipat Th(HR). ii) During antecedent condition, load connected at Panipat(BB) was being fed through 400/220kV ICT-1 & 2 at Panipat(BB) which were carrying 286 MW & 319 MW respectively and 220kV Panipat-Charkhi Dadri line which was carrying ~112 MW. Apart from this, 220kV Dholkote-Miss Gangwala D/C were shut down. iii) As reported, at 09:49 hrs, operator at 220kV Panipat SLS, inadvertently opened the 220kV side isolator of 220/33kV 60 MVA Transformer-2 at Panipat(BB) which was in charged condition. Prior to this incident, 220/33kV 60 MVA Transformer-1 at Panipat(BB) was taken out and isolator of Transformer-1 was to be opened for its isolation. iv) Isolator was opened in charged condition, heavy flashover occurred in isolator leading to R-Y phase to phase bus fault on 220kV Bus-2A. v) On this fault, bus bar protection operated, and all the elements connected to 220kV Bus-2A i.e., 400/220kV 500 MVA ICT-2, 220/33kV Transformer-2, 220kV Feeder to Panipat Th-II, Narela-II, Dholkote-II, Charkhi Dadri tripped. 220kV Bus-2A coupler and sectionalise breaker opened and fault got isolated from the system. vi) Further, due to tripping of 400/220kV 500 MVA ICT-2, load shifted on 400/220kV 450 MVA ICT-1 to its overloading and ICT-1 tripped on overcurrent protection operation. vii) Further, as source from 400kV side got lost, all the load at 220kV side went through Gangwala-Jagadhri(I)Piph@Panipatload. Loading of 220kV Gangwala-Jagadhri increased to 259 MW. viii) Further, at 09:58 hrs, 220kV Gangwala-Jagadhri line tripped on B-N fault. ix) With the tripping of this line, supply to 220/33kV Pipil(HR), 220/66kV Jagadhri(BBMB), 220/66kV Dholkote(BBMB) and 220kV Rotak Road(BBMB) got lost. 220kV B-N fault cleared with the delay of ~240msec at 09:58 hrs is observed. x) As per SCADA, change in demand of approx. 515 MW in Haryana control area was observed during the event. xi) Further, at 10:11 hrs, 220kV lines at Panipat which were already dead, manually opened. Restoration work started at around 10:48 hrs and all the elements were revived by 11:30 hrs.	1) 220KV Bus 2A at Panipat(BB) 2) 400/220kV 500 MVA ICT-2 at Panipat(BB) 3) 220 KV Panipat-Dholkote(BB) Ckt-2 4) 220 KV Panipat(BB)-Panipat Th(HR) Ckt-2 5) 220 KV Panipat(BB)-Narela (DTL) Ckt-2 6) 220 KV Panipat(BB)-Charkhi Dadri Ckt 7) 220/66kV 60 MVA Transformer-2 at Panipat(BB) 8) 400/220kV 450 MVA ICT-1 at Panipat(BB) 9) 220 KV Gangwala-Jagadhri Ckt	

**Details of Grid Events during the Month of July 2025 in Northern Region**

Sl No.	Category of Grid Event ( GI for GI 2/ GD-1 to GD-5)	Affected Area	Time and Date of occurrence of Grid Event	Time and Date of Restoration	Duration (HH:MM)	Loss of generation / loss of load during the Grid Event		% Loss of generation / loss of load w.r.t Antecedent Generation/Load in the Regional Grid during the Grid Event	Antecedent Generation/Load in the Regional Grid*		Brief details of the event ( pre fault and post fault system conditions)	Elements Tripped	
						Generation Lost(MW)	Load Loss (MW)		% Generation Loss (MW)	% Load Loss (MW)	Antecedent Generation (MW)	Antecedent Load (MW)	
17	GD-1	Jammu and Kashmir	24-07-2025 10:18	24-07-2025 13:53	03:35	0	400	0.00%	55.64%	68479	71887	i) 220/132kV Ziankote S/s have two bus at 220kV side i.e., main bus & reserve bus. 220kV Amargarh-Ziankote ckt-1&2 are on the same tower (D/C tower) and line length is ~21.4km. ii) During antecedent condition, 220kV Amargarh (INDIGRID)-Ziankote (JK) D/C were carrying 194 MW each and feeding load of Ziankote & Alustang both. 220kV Wagooora-Ziankote D/C were under planned outage. iii) As reported, at 10:18 hrs 220 KV Amargarh (INDIGRID)-Ziankote(JK) (PDD JK) Ckt-2 tripped on B-N fault. Fault current was ~4.7kA and fault location was 11.7km from Ziankote end. At the same time, 220 KV Amargarh (INDIGRID)-Ziankote(JK) (PDD JK) Ckt-1 also tripped. iv) As per telephonic communication with Ziankote S/s, 220 KV Amargarh (INDIGRID)-Ziankote(JK) (PDD JK) D/C is kept as instantaneous, Line-1 also tripped instantaneously from Amargarh end. v) As per PMU at Amargarh (INDIGRID), B-N phase to earth fault cleared within 120msec is observed. vi) As per SCADA, change in demand of approx. 400 MW is observed in J&K control area.	1) 220 KV Amargarh (INDIGRID)-Ziankote(JK) (PDD JK) Ckt-1 2) 220 KV Amargarh (INDIGRID)-Ziankote(JK) (PDD JK) Ckt-2
18	GD-1	Jammu and Kashmir	25-07-2025 13:44	25-07-2025 14:12	00:28	240	0	35.66%	0.00%	67308	80494	i) 400kV Uri-2 S/s have double main bus system. There are 4, 60 MW Units at Uri-2 HEP and during antecedent condition they were generating approx. 60 MW each. ii) As reported, at 13:44 hrs, 400 KV Uri_2(NH)-Wagoora(PG) (PG) Ckt tripped due to malfunctioning of GIS controller (exact reason of the same yet to be shared). iii) During the same time, 60 MW Uri-II HPS - UNIT 1,2,3 & 4 also tripped (exact nature of protection operated yet to be shared). iv) After tripping of 400 KV Uri_2(NH)-Wagoora(PG) (PG) Ckt and all 4, 60 MW units at Uri-2(NH), complete blackout occurred at Uri-2 S/s. v) As per PMU at Amargarh(INDIGRID), no fault was observed in the system. vi) As per SCADA, generation loss of approx. 240MW at Uri-2(NH) is observed.	1) 400 KV Uri_2(NH)-Wagoora(PG) (PG) Ckt 2) 60 MW Uri-II HPS - UNIT 1 3) 60 MW Uri-II HPS - UNIT 2 4) 60 MW Uri-II HPS - UNIT 3 5) 60 MW Uri-II HPS - UNIT 4
19	GD-1	Punjab	26-07-2025 12:05	26-07-2025 14:09	02:04	0	220	0.00%	28.97%	64426	75949	i) As reported, at 12:05 hrs, bus bar protection operated at 220kV Dandharikalan(PS) and all the 220kV elements connected at Dandharikalan(PS) tripped (exact nature, location and reason of fault yet to be shared). ii) Due to tripping of all the 220kV elements complete blackout occurred at 220/66KV Dandharikalan(PS) S/s. iii) As per PMU at Ludhiana(PG), Y-B phase to phase fault was observed with fault clearing time of 120ms. iv) As per SCADA, change in demand of approx. 220 MW is observed in Punjab control area.	1) 220 KV Dandharikalan(PS)-Ludhiana(PG) (PSTCL) Ckt-1 2) 220 KV Dandharikalan(PS)-Ludhiana(PG) (PSTCL) Ckt-2
20	GD-1	Himachal Pradesh	27-07-2025 16:46	27-07-2025 20:06	03:20	0	75	0.00%	10.55%	55959	71103	i) 220/132kV Kangoo(HP) S/s has single main and transfer bus scheme at 220kV and 132kV level. During antecedent condition, 220/132kV 80/100 MVA ICT at Kangoo(HP) was carrying ~30 MW. ii) As reported, at 16:46 hrs, B-N phase to earth fault occurred in 220kV Kangoo-Raruli(HP) Ckt (exact nature, location and reason of fault yet to be shared). However, due to non-clearance of fault, LBB protection operated. iii) Due to LBB operation, 220 KV Dehar(BB)-Kangoo(HP) (HP) Ckt and 220/132kV 80/100 MVA ICT at Kangoo(HP) tripped along with all the 132 kV elements connected at Kangoo(HP). iv) Due to tripping of all 220kV and 132kV elements at Kangoo(HP), both 220kV and 132kV bus at Kangoo(HP) became dead and complete blackout occurred at 220/132kV Kangoo(HP) S/s. v) As per PMU at Dehar(BB), B-N phase to earth fault was observed with fault clearing time of 120 ms. vi) As per SCADA, total station power flow reduced from ~150 MW to 0 MW. vii) As per PMU at Varanasi(PG), no fault however fluctuation in voltage was observed. viii) As per SCADA, no change in demand was observed in Northern region.	1) 220kV Kangoo-Raruli(HP) Ckt 2) 220 KV Dehar(BB)-Kangoo(HP) (HP) Ckt 3) 132 KV Dehar(BB)-Kangoo(HP) (PPTCL) Ckt 4) 220/132kV 80/100 MVA ICT at (Kangoo(HP)
21	GI-2	Uttar Pradesh	30-07-2025 20:25	31-07-2025 00:08	03:43	0	0	0.00%	0.00%	55429	75651	i) During antecedent condition, station power flow was 150 MW in West to North direction (75 MW in each BLOCK). 400 KV VindhyaChal(PG)-VindhyaChal(NT) (PG) Ckt-1 & 2 namely AWL1 and AWL2 are connected to West bus 18 and 28. ii) As reported, at 20:25 hrs, 400 KV VindhyaChal(PG)-VindhyaChal(NT) (PG) Ckt-1 & 2 tripped from VindhyaChal(NT) end due to tripping of both auxiliary supply of NTCP VindhyaChal units (exact nature of protection operated yet to be shared) which further led to de-energization of West bus Voltage. iii) Due to loss of voltage in western side all the related protections initiated and trip command was issued by the earliest acting protection iv) Pole Control System of 70 KV VindhyaChal(PG) Pole-1 issued trip command on "81AC Under Frequency" Protection. v) Pole Control System of 70 KV VindhyaChal(PG) Pole-2 issued trip command on "Trip by Change over Logic" due to fault in both TDM buses which occurred due to loss of voltage in west side. vi) As per SCADA, total station power flow reduced from ~150 MW to 0 MW. vii) As per PMU at Varanasi(PG), no fault however fluctuation in voltage was observed. viii) As per SCADA, no change in demand was observed in Northern region.	1) 400 KV VindhyaChal(PG)-VindhyaChal(NT) (PG) Ckt-1 2) 400 KV VindhyaChal(PG)-VindhyaChal(NT) (PG) Ckt-2 3) 70 KV VindhyaChal(PG) Pole-1 4) 70 KV VindhyaChal(PG) Pole-2

### Details of Grid Events during the Month of July 2025 in Western Region

Sl No.	Category of Grid Event ( GI for GI 2/ GD-1 to GD-5)	Affected Area	Time and Date of occurrence of Grid Event	Time and Date of Restoration	Duration (HH:MM)	Loss of generation / loss of load during the Grid Event		% Loss of generation / loss of load w.r.t Antecedent Generation/Load in the Regional Grid during the Grid Event	Antecedent Generation/Load in the Regional Grid*	Brief details of the event ( pre fault and post fault system conditions)				Elements Tripped		
						Generation Loss(MW)	Load Loss (MW)			% Generation Loss (MW)	% Load Loss (MW)	Antecedent Generation (MW)	Antecedent Load (MW)			
1	GD-1	WR	01-07-2025 01:34	01-07-2025 17:27	15:53	-	-	-	67031	54416	At 01:34 hrs / 01-07-2025, Bus-1 side B-phase Isolator of 400/33 KV Khavda PSS1-ICT-3 failed resulting in busbar protection and GD-2 compartment PRD operation in 400 KV Khavda PSS1-Bus-1 and tripping of connected elements (400 KV Khavda PS1-Khavda PSS1-1, 400/33 KV Khavda PSS1-ICT-2&3). As reported by Adani, after 240 msec ICT-3 Isolator Section-A, Gas Zone Stage-3 Lock out operated 400/33 KV Khavda PSS1-ICT-3 resulting in busbar protection operation in 400 KV Khavda PSS1-Bus-1 and tripping of connected elements (400/33 KV Khavda PSS1-ICT-1&4). No generation or load loss occurred due to the event.				1. 400 KV Khavda PSS1-Bus-1 2. 400 KV Khavda PSS1-Bus-2 3. 400 KV Khavda PS1-Khavda PSS1-1 4. 400/33 KV Khavda PSS1-ICT-1 5. 400/33 KV Khavda PSS1-ICT-2 6. 400/33 KV Khavda PSS1-ICT-3 7. 400/33 KV Khavda PSS1-ICT-4	
2	GD-1	WR	01-07-2025 23:26	02-07-2025 12:42	13:16	110	-	0.15%	71619	55792	At 23:26 Hrs /01-07-2025, It is observed from DR&PMU that R-Phase & Y-Phase current increased on 220 kV Bachau-Ostro Line-1 and R-phase pole opened. After about 750ms of R-phase pole opening, remaining both poles tripped due to DT receipt at both ends. 220kV Bachau-Ostro Line-2 tripped on distance protection Zone-1, R-Y fault. As reported, the Faults were occurred due to falling of 220kV transmission line conductor (which is in unused &dead) of GETCO on both the circuits. Generation loss of 110 MW is reported by Ostro.				1. 220 kV Bachau-Ostro-1 2. 220 kV Bachau-Ostro-2	
3	GD-1	WR	04-07-2025 13:05	04-07-2025 21:06	08:01	135	-	0.21%	64508	52644	At 13:05 hrs / 04-07-2025, 400 kV Varsana-Gaya solar (Khirrasra) line tripped on Y-E fault due to Y phase SRI(Silicon Rubber Insulator) flashover at loc no.29(T) after A/R attempt at both ends. Generation loss of 135 MW reported by Gaya Khirrasra Solar.				1. 400 kV Varsana-Gaya Solar line	
4	GD-1	WR	08-07-2025 16:47	09-07-2025 01:47	09:00	31	-	0.04%	70421	56703	16:47 Hrs /08.07.2025 , 400kv Varsana-Gaya solar line tripped from both ends due to B-Phase Lightning Arrester(LA) failure at Varsana end. There was a generation loss of 31MW occurred at Gaya Khirrasra Solar due to evacuation loss.				1. 400KV-KHIRSARA (GAYA SOLAR)-VARSANA-1	
5	GD-1	WR	13-07-2025 10:49	13-07-2025 21:58	11:09	93.2	-	0.15%	62795	54694	At 10:49 hrs / 13-07-2025, 220 KV Bhuj-Gadhsisa-1 tripped on persistent R-E fault after auto recloser attempt. The line was test charged at 13:08 hrs but tripped on SOTF. On patrolling damaged R phase insulator was found at tower location 45C/1. Generation loss of 93.2 MW occurred at Gadhsisa (Renew Power) Wind Power Plant due to tripping of single evacuation path.				1.220 KV Bhuj-Gadhsisa-1	

**Details of Grid Events during the Month of July 2025 in Western Region**

Sl No.	Category of Grid Event ( GI for GI 2/ GD-I to GD-5)	Affected Area	Time and Date of occurrence of Grid Event	Time and Date of Restoration	Duration (HH:MM)	Loss of generation / loss of load during the Grid Event		% Loss of generation / loss of load w.r.t Antecedent Generation/Load in the Regional Grid during the Grid Event	Antecedent Generation/Load in the Regional Grid*	Brief details of the event ( pre fault and post fault system conditions)				Elements Tripped			
						Generation Loss(MW)	Load Loss (MW)			% Generation Loss (MW)	% Load Loss (MW)	Antecedent Generation (MW)	Antecedent Load (MW)				
6	GD-1	WR	19-07-2025 15:44	19-07-2025 19:42	03:58	110	-	0.15%	-	75719	61131	At 15:44 hrs/19.07.2025, Main and Tie breakers of the 400kV Konhalli-Dahitanewadi line Tripped from Dahitanewadi end due to mal-operation of Zone-3 element of Main-1 Distance protection. The line was in a charged condition from the Konhalli end. Due to evacuation loss, 110 MW generation loss occurred at 400kV Dahitanewadi (Renew Green PSS-5 Solar) substation.				1. 400 kV Konhalli-Dahitanewadi	
7	GD-1	WR	20-07-2025 16:28	21-07-2025 17:36	25:08	190	-	0.27%	-	70899	58077	At 16:28hrs/20.07.2025, 220 kV Bhuj-II-Chugger (Sitac) S/C line tripped on Yphase-Earth fault. Subsequent to loss of evacuation path, both 220kV Buses de-energized and 190MW Generation loss occurred at 220KV Chugger (Sitac).				1. 220 kV Bhuj-II-Sitac/Chugger 2. 220 kV Sitac/Chugger BUS-1 3. 220 kV Sitac/Chugger BUS-2 4. 220 kV Sitac/Chugger ICT-1 5. 220 kV Sitac/Chugger ICT-2	
8	GD-1	WR	26-07-2025 10:58	26-07-2025 13:36	02:38	160	-	0.25%	-	64972	57903	At 10:58Hrs / 26-07-2025, 220 kV Bhuj- Naranpar (Roha) GIWEL(Wind RE) single circuit tripped on Over voltage (malfunction of voltage relay). The loss of the evacuation path led to the tripping of both 220 kV buses at the 220 kV Roha-Naranpar substation. Generation loss of with 160 MW Wind occurred at 200 kV Roha-Naranpar.				1. 220 kV Bhuj-Roha-Naranpar 2. 220 kV Roha-Naranpar BUS-1 3. 220 kV Roha-Naranpar BUS-2 4. 220 kV Roha-Naranpar ICT-1 5. 220 kV Roha-Naranpar ICT-2	
9	GD-1	WR	27-07-2025 18:11	27-07-2025 20:32	02:21	42.9	-	0.07%	-	63821	52216	At 18:11 hrs / 27-07-2025, 220 kV Bhuj-Devsar line tripped at Devsar end only due to R-phase fault and A/R successful at Bhuj end. Generation loss of with 42.9 MW occurred at 220 kV Bhuj-Devsar.				1. 220 kV Bhuj-Devsar-1	
10	GI-2	WR	30-07-2025 20:25	30-07-2025 21:45	01:20	206	-	0.27%	-	75171	58458	At 20:25 Hrs /30-07-2025, Bus fault (R-Y phase fault as per PMU) occurred in 132 kV VSTPS Main Bus (132 kV VSTPS having Single Main & Transfer Bus scheme) but the fault was not cleared by Bus bar protection operation and resulted in tripping of all the elements connected to 132 kV VSTPS Main bus on respective Backup protection operation. 400/132 kV VSTPS ICTs 1,&3, 132 kV VSTPS- Waidan 1&2 & 132/6.6 kV VSTPS STs 1,&3 tripped during the event. Due to the tripping of 132 kV/6.6 kV Station Transformers, 70 kV HVDC VindhyaChal Poles 1&2 blocked due to Auxiliary supply failure. Due to the tripping of 132 kV/6.6 kV Station Transformers, Auxiliary supply of VSTPS Unit 3 (210 MW) failed and resulted in tripping of Boiler Feed Pump and tripping of the unit on Drum level low at 20:29 Hrs. Generation loss of 206 MW occurred due to VSTPS Unit 3 (210 MW) tripping. As informed by MP SLDC, 70 MW load loss occurred due to the event.				1 400/132 kV VSTPS ICT 1 2 400/132 kV VSTPS ICT 2 3 400/132 kV VSTPS ICT 3 4 400 kV VindhyaChal - VindhyaChal HVDC 1 5 400 kV VindhyaChal - VindhyaChal HVDC 2 6 70 kV HVDC VindhyaChal Pole 1 7 70 kV HVDC VindhyaChal Pole 2 8 132 kV VSTPS- Waidan 1 9 132 kV VSTPS- Waidan 2 10 VSTPS Unit 3 (210 MW)	
11	GD-1	WR	30-07-2025 18:52	30-07-2025 21:49	02:57	0	-	0.00%	-	73295	59665	At 18:52 hrs / 30.07.2025, 220kV Bhuj-Jhura-1 tripped on while taking ICT-1 in service after attending emergency S/D for taking SVG into service. No generation loss reported.				1. 220KV-Jhura-Bhuj-1 2. 220KV/33KV Jhura-ICT-1	
12	GI-2	WR	30-07-2025 03:45	04-08-2025 10:01	126:16	0	-	0.00%	-	68847	49654	At 03:45 hrs/30-07-2025, 400 kV Padghe (PG)-Navi Mumbai S/c tripped on B-E fault. At 12:15 hrs/30-07-2025, 400 kV Padghe (PG)-Kharhgar S/c tripped (along with 400 kV Bus-1 at Padghe PG due to Busbar protection operation) on R-E fault. At 03:24 hrs/31.08.2025, 400 kV Navi Mumbai-Vikhroli S/c tripped on Y-E fault. At 10:01 hrs/04.08.2025, 400 kV Padghe (PG)-Kharhgar S/c restored. No load loss reported.				1 400 kV Padghe(PG)-Navi Mumbai S/c 2 400 kV Padghe (PG)-Kharhgar S/c 3 400 kV Navi Mumbai – Vikhroli S/c 4 400 kV Padghe Bus-1	
13	GD-1	WR	31-07-2025 09:39	31-07-2025 13:39	04:00	120	-	0.17%	-	71760	59720	At 09:39 hrs /31-07-2025, 220 kV Bhuj-Naranpar GIWEL(Wind RE) single circuit tripped on B-E fault Due to evacuation path loss, both 220kV buses at 220kV-Roha-Naranpar tripped with 120 MW Wind generation loss occurred.				2. 220 kV Roha-Naranpar BUS-1 3. 220 kV Roha-Naranpar BUS-2 4. 220 kV Roha-Naranpar ICT-1 5. Bus Coupler Bay - ROHA-NARANPAR - 220KV - Bus 1 AND ROHA-NARANPAR - 220KV - Bus 2	

**Details of Grid Events during the Month of July 2025 in Southern Region**

Sl No.	Category of Grid Event ( GI 1 or GI 2 / GD-1 to GD-5)	Affected Area	Time and Date of occurrence of Grid Event	Time and Date of Restoration	Duration (HH:MM)	Loss of generation / loss of load during the Grid Event		% Loss of generation / loss of load w.r.t Antecedent Generation/Load in the Regional Grid during the Grid Event	Antecedent Generation/Load in the Regional Grid*	Brief details of the event ( pre fault and post fault system conditions)				Elements Tripped
						Generation Loss(MW)	Load Loss (MW)			% Generation Loss (MW)	% Load Loss (MW)	Antecedent Generation (MW)	Antecedent Load (MW)	
1	GD - 1	KARNATAKA	05-07-2025 07:03	05-07-2025 07:40	00:37	0	146	0.00%	0.28%	46465.55	52441.75	Complete Outage of 220kV TUBINAKERE, CHANNAPATNA, KOTHIPURA of KPTCL The triggering incident is the R-Y fault in 220KV-TUBINAKERE-CHANNAPATNA-1 line during which 220KV-BIDADI-KOTHIPURA-1 & tripped on distance protection (suspected overreach) and at the same time LBB operated at TUBINAKERE Bus-1. After tripping of 220KV-BIDADI-KOTHIPURA-1&2 lines, the only source to these stations was Bus-1 at TUBINAKERE (Connected to Mysore and Gopalpura). Due to the LBB operation and tripping of Bus-1 at TUBINAKERE led to the Complete Outage of 220kV TUBINAKERE, CHANNAPATNA, KOTHIPURA of KPTCL	220KV-GOPALPURA-TUBINAKERE-1, 220KV-MYSORE-TUBINAKERE-1, 220KV-TUBINAKERE-CHANNAPATNA-1, 220KV-BIDADI-KOTHIPURA-1, 220KV-BIDADI-KOTHIPURA-2	
2	GD - 1	KARNATAKA	05-07-2025 12:13	05-07-2025 20:07	07:54	270	0.0	0.45%	0.00%	60505.41	53444.53	Complete outage of 220kV Ayana_Six_Kopal As per the reports submitted, the triggering incident was an R-N fault on the 220kV Ayana-Koppal line and the line tripped. Tripping of the only connected line led to complete outage of 220kV Ayana_Six_Koppal.	220KV-KOPPAL-Ayana_Six_Koppal-1	
3	GD - 1	KARNATAKA	11-07-2025 09:08	11-07-2025 10:13	01:05	56	0.0	0.10%	0.00%	54455.3	59512.04	complete outage of 220kV RSRPL_GadagPS As per the reports submitted, the triggering incident was RY-N fault in 220kV Gadag RSRPL line-1 and the line tripped at both ends. Tripping of the only connected line led to complete outage of 220kV RSRPL_GadagPS.	220KV-GADAG_PSS-RSRPL_GadagPS-1	
4	GD - 1	KARNATAKA	11-07-2025 15:08	11-07-2025 21:56	06:48	190	0.0	0.34%	0.00%	56469.88	59638.86	Complete Outage of 220kV Serentica_R1PL_Koppal_S As per the reports submitted, the triggering incident was R-N fault in 220KV-KOPPAL-Serentica_R1PL_Koppal_S-1 and the line tripped. Tripping of the only connected line led to complete outage of 220kV Serentica_R1PL_Koppal_S	220KV-KOPPAL-Serentica_R1PL_Koppal_S-1	
5	GD - 1	KERALA	11-07-2025 19:36	11-07-2025 19:55	00:19	0	65	0.00%	0.13%	51977.18	51383.11	Complete Outage of 220kV Kunnamkulam SS of KSEB As per the reports submitted, the triggering incident was Y phase feeder got disconnected from its connection to the jumper in the switchyard of the 220kV Kunnamkulam Substation in 220kV Kunnamkulam Thrissur HVDC line. At Kunnamkulam end, the fault was sensed in zone-1. At Thrissur HVDC end, the fault was sensed in carrier aided zone-2. At both ends, A/R operated and the line was holding with no current in Y-phase. During which IN-1 protection operated at Malaparamba end in 220kV Malaparamba Kunnamkulam line and the line tripped. Tripping of both lines led to complete outage of 220kV Kunnamkulam SS.	220KV-MALAPARAMBA-KUNNAMKULAM-1, 220KV-THRISSUR HVDC-KUNNAMKULAM-1	
6	GD - 1	KARNATAKA	12-07-2025 13:13	12-07-2025 14:11	00:58	0	33	0.00%	0.06%	60519.52	56871.42	Complete Outage of 220kV MK Hubli SS of KPTCL As per the reports submitted, the triggering incident was R-N fault in 220V Narendra Hubli Line-2 and the line tripped. At the same time, 220kV Narendra MK Hubli Line-1 tripped only at Narendra end on DEF protection. Since, MK Hubli is radially fed through 220kV Narendra MK Hubli Line-1&2, tripping of both lines led to complete outage of 220kV MK Hubli SS.	220KV-NARENDRA-M K HUBLI-2, 220KV-NARENDRA-M K HUBLI-1	
7	GD - 1	ANDHRA PRADESH	17-07-2025 15:37	17-07-2025 17:07	01:30	0	0	0.00%	0.00%	54913.16	58757.4	Complete Outage of 220kV Upper Sileru PH of APGENCO During antecedent conditions, 220kV Upper Sileru-Balimela was under idle charged condition and 220KV Upper Sileru-Donkarayi Feeder was under LC. The triggering incident was B-N fault in 220kV Upper Sileru Pendurthi line and the line tripped. Tripping of the only connected line led to complete outage of 220kV Upper Sileru PH of APGENCO	220KV-PENDURTHI-UPPER_SILERU-1	
8	GI-1	TELANGANA	03-07-2025 16:50	03-07-2025 17:32	00:42	0	0	0.0 %	0.0 %	51877.01	50919.39	Tripping of 220kV Bus-1 of 400kV/220kV Shankarpally SS of TGTRANS CO As per the reports submitted, the 220kV Shankarpally-Gachibowli Feeder-2 was charged at 400/220kV Shankarpally Substation following successful testing of the A/R scheme by the MRT wing. At the same time, The BBP if Bus-1 maloperated, which in turn resulted in the tripping of the 220kV Shankarpally Bus-1 and all its connected elements.	SHANKARPALLY - 220KV - Bus 1, 220KV-SHANKARPALLY-KETHIREDDYPALLY-1, 220KV-YEDDUMALARAM-SHANKARPALLY-1, 400KV/220KV SHANKARPALLY-ICT-3, 220KV-SHANKARPALLY-SADASHIVPET-1, 220KV-SHANKARPALLY-PARGI-1, 220KV-GACHIBOWLI-SHANKARPALLY-2	

Details of Grid Events during the Month of July 2025 in Southern Region													 ग्रिड-इंडिया GRID-INDIA
Sl No.	Category of Grid Event ( GI 1 or GI 2 / GD-1 to GD-5)	Affected Area	Time and Date of occurrence of Grid Event	Time and Date of Restoration	Duration (HH:MM)	Loss of generation / loss of load during the Grid Event		% Loss of generation / loss of load w.r.t Antecedent Generation/Load in the Regional Grid during the Grid Event	Antecedent Generation/Load in the Regional Grid*		Brief details of the event ( pre fault and post fault system conditions)	Elements Tripped	
						Generation Loss(MW)	Load Loss (MW)		% Generation Loss (MW)	% Load Loss (MW)	Antecedent Generation (MW)	Antecedent Load (MW)	
9	GI-2	KARNATAKA	08-07-2025 02:39	08-07-2025 05:17	02:38	0	0	0.0 %	0.0 %	48048.2	45359.75	Tripping of 400KV Bus-1 at RTPS of KPL The triggering incident is the suspected input contact in the B90 Numerical relay of GT-7 main breaker triggering of External LBB initiation of Bus-1 Main Breaker and leading to Bus-1 BBP operation tripping of all the breakers connected to 400KV Bus-1 at RTPS. Since tie breakers connected to 400KV/220KV RTPS-ICT-2, 400KV/220KV RTPS-ICT-3 were unavailable during the event to the tripping of 400KV/220KV RTPS-ICT-2, 400KV/220KV RTPS-ICT-3. This led to the tripping of 400KV Bus-1 at RTPS.	400KV/220KV RTPS-ICT-2, 400KV/220KV RTPS-ICT-3
10	GI-2	KARNATAKA	15-07-2025 14:33	15-07-2025 15:41	01:08	0	0	0.0 %	0.0 %	55959.81	54383.94	Tripping of 400KV Bus-1 at RTPS of KPL The triggering incident is the suspected LBB input contact failure where in LBB initiation contacts provided did not reset and while synchronising Unit-5, due to the LBB initiation and the current during the synchronising, LBB operated tripping all breakers connected to 400KV Bus-1 at RTPS. Since tie breakers connected to 400KV/220KV RTPS-ICT-3 was unavailable during the event led to the tripping of 400KV/220KV RTPS-ICT-3. This led to the tripping of 400KV Bus-1 at RTPS and 400KV/220KV RTPS-ICT-3.	RTPS - 400KV - Bus 1, 400KV/220KV RTPS-ICT-3
11	GI-1	ANDHRA PRADESH	16-07-2025 13:13	16-07-2025 13:59	00:46	0	0	0.0 %	0.0 %	54016.45	59969.83	Tripping of 220kV Bus-2 of 220kV/132kV Cuddapah SS of APTRANSCO As per the reports submitted, the triggering incident was B-N fault in 220kV Cuddapah Bus-2. 220kV Bus-2 BBP operated and all elements connected to the 220kV Bus-2 of 220kV/132kV Cuddapah SS tripped. At the same time, 400kV/220kV Cuddapah_PG ICT-1 which is connected to 220kV Bus-1 also tripped.	400KV/220KV CUDDAPAH-ICT-1, 220KV-CUDDAPAH-RAYALSEEMA TPP-2, 220KV-CUDDAPAH-RENIGUNTA-1, 220KV-CUDDAPAH-KADAPA-1, 220KV-CUDDAPAH-RAYALSEEMA TPP-4

**Details of Grid Events during the Month of July 2025 in Eastern Region**

SI No.	Category of Grid Event ( GI 1 or GI 2 / GD-1 to GD-5)	Affected Area	Time and Date of occurrence of Grid Event	Time and Date of Restoration	Duration (HH:MM)	Loss of generation / loss of load during the Grid Event		% Loss of generation / loss of load w.r.t Antecedent Generation/Load in the Regional Grid during the Grid Event		Antecedent Generation/Load in the Regional Grid*		Brief details of the event ( pre fault and post fault system conditions)	Elements Tripped
						Generation Loss(MW)	Load Loss (MW)	% Generation Loss (MW)	% Load Loss (MW)	Antecedent Generation (MW)	Antecedent Load (MW)		
1	GI-2	DIKCHU HEP	04.07.2025 13:02	04.07.2025 13:27	00:25	00:00	0	0.42%	0.00%	25153	26255	Prior to the disturbance Dikchu generation was around 105 MW evacuating through 400kV Dikchu-Rango Line and 400kV Dikchu-Rango (Teesta-III Bypass) Line. At 13:02 Hrs, Y-B Phase fault occurred in 400kV Dikchu-Rango line and line got tripped from both end in Z-1 protection. Simultaneously 400/132kV ICT at Dikchu also tripped on LV side B/U over current protection. Due to complete loss of evacuation path, Dikchu unit#1 & 2 tripped on over speed/ over frequency protection. This resulted in a total generation loss of 105 MW at Dikchu S/s.	400 kV Rangpo-Dikchu Line 400/132kV ICT at Dikchu Dikchu Unit-1 Dikchu Unit-2
2	GD-1	GORAUL (BSPTCL)	07.07.2025 14:31	07.07.2025 14:56	00:25	00:00	180	0.00%	0.69%	25829	26186	The 220kV Goraul S/S is connected to the grid through the 220kV-Goraul-Muzaffarpur (PG) D/C line. Prior to the disturbance, 220kV-Goraul-Muzaffarpur #2 line tripped at 13:24 Hrs on phase to ground fault. Subsequently at 14:31 Hrs, 220kV-Goraul-Muzaffarpur (PG) #1 line also got tripped on ground-Phase-E fault due to conductor snapping. Due to tripping of radial connected line, 220kV Goraul S/S became dead. Due to the above, total 180 MW load loss occurred at Goraul (Goraul (20 MW), Vaishali (42 MW), Sheetalpur (43 MW), Railway (15 MW), Jandaha (50 MW) and Mahnar (10 MW)). Power supply was subsequently restored via 132kV system through Hazipur, Jandaha and Manhar links. Further, 220kV Muzaffarpur (PG)-Goraul Ckt#2 line charged at 14:56 Hrs.	220 kV Muzaffarpur (PG)- Goraul ckt 1 220 kV Muzaffarpur (PG)- Goraul ckt 2
3	GI-2	INDRAVATI HEP	13.07.2025 23:30	14.07.2025 03:58	04:28	500	0	1.57%	0.00%	31898	27404	Prior to the disturbance, Indravati HEP generation was around 500 MW evacuating through 220 kV Indravati-Jaypatna, 220 kV Therubali-Indravati-1,2 & 3 which was connected to 220kV main bus #1 at Indravati HEP. At 23:30 Hrs on 13.07.2025, bus bar protection of 220 kV main bus-1 at Indravati HEP mal-operated and all element connected to main bus #1 got tripped. 220kV Indravati bus became dead and generation loss of 500 MW occurred at Indravati HEP.	220 KV Main Bus - 1 At Indravati HEP Indravati - Unit 1,2,3,4 400KV/220 KV 315 MVA ICT 1 at Indravati HEP 400KV/220 KV 315 MVA ICT 2 at Indravati HEP 220 KV Indravati-Therubali Ckt-1,2 & 3 220 KV Indravati-Jaypatna
4	GI-2	INDRAVATI HEP	14.07.2025 11:22	15.07.2025 18:23	31:01:00	150	0	0.65%	0.00%	23212	25412	Prior to the disturbance, Indravati HEP generation was around 150 MW evacuating through 220 kV Indravati-Jaypatna, 220 kV Therubali-Indravati-1,2 & 3 which was connected to 220kV main bus #2 at Indravati HEP. At 10:25 Hrs on 14.07.2025, bus bar protection of 220 kV main bus-2 at Indravati HEP mal-operated and Indravati unit#1, ICT 1 & 2 and 220 kV Indravati-Therubali Ckt-1 & 3 got tripped, further at 11:22 Hrs again bus bar protection of main #2 mal-operated and remaining element also got tripped. 220kV Indravati bus became dead and generation loss of 150 MW occurred at Indravati HEP.	220 KV Main Bus - 2 At Indravati HEP Indravati - Unit 1 400KV/220 KV 315 MVA ICT 1 at Indravati HEP 400KV/220 KV 315 MVA ICT 2 at Indravati HEP 220 KV Indravati-Therubali-1 220 KV Indravati-Therubali-2 220 KV Indravati-Therubali-3 220 KV Indravati-Jaypatna
5	GD-1	TENUGHAT(JU SNL) GOVINDPUR(J USNL)	17.07.2025 13:53	17.07.2025 14:17	00:24	150	70	0.60%	0.26%	25092	26482	Prior to the disturbance 220KV- Dumka – Govindpur D/C was kept open to control the loading of 220 KV Maithon-Dumka D/c and Tenughat unit#1(Unit#2 was Under Planned Maintenance) generation evacuating through 220 kV Tenughat-Biharsharif-1 and feeding load of Govindpur S/s. At 13:53 Hrs, 220kV Tenughat-Biharsharif-1 line tripped on phase(R) to ground fault. This led to island formation of Tenughat unit#1 with Govindpur load which didn't survive due to load generation mismatch and Tenughat unit#1 tripped on over speed/over frequency protection. 220kV Tenughat and Govindpur became dead. Generation loss of 150 MW at Tenughat and load loss of 70 MW at Govindpur was reported. Govindpur load was restored at 14:17 Hrs by charging 220KV- Dumka – Govindpur D/C line.	220 KV Tenughat-Biharsharif-1 210 MW Unit 1 at Tenughat
6	GD-1	JSPL	21.07.2025 12:22	21.07.2025 13:14	00:52	540	620	1.98%	2.26%	27264	27383	400KV-MEERAMUNDALI-JSP-1 tripped at 12:22 Hrs on phase to ground fault (Ckt-2 was under planned shutdown for maintenance job of bay & line equipment's at JSPL end). Both Bus at 400 kV JSPL became dead as it was radially connected to 400 kV Meramundai S/S. Captive power plant JSPL has 6 units of 135 MW capacity each. Unit-1 with emergency load of 90 MW was separately connected with 220 kV Bus-1 (220 kV bus-coupler remaining open). All other units connected to 220 kV Bus-2 were generating around 510 MW and were taking 110 MW from grid. As both evacuating lines tripped, the captive island didn't survive. 510 MW generation loss and 620 MW load loss occurred at JSPL.	400 KV JSPL-Meeramundai-1
7	GI-2	DIKCHU HEP	23.07.2025 13:45	23.07.2025 15:14	01:29	106	0	0.42%	0.00%	25212	30605	Prior to the disturbance Dikchu generation was around 106 MW evacuating through 400kV Dikchu-Rango Line and 400kV Dikchu-Rango (Teesta-III Bypass) Line. At 13:45 Hrs Phase(B) to ground fault occurred in 400kV Dikchu-Rango line (Teesta-III Bypass) and line got tripped from Dikchu end in Z-1 protection. Simultaneously 132kV bus bar protection mal-operated, which led to tripping of 400/132kV ICT and GT-1 & 2 at Dikchu. Due to complete loss of evacuation path, Dikchu unit#1 & 2 tripped on over speed/ over frequency protection. This resulted in a total generation loss of 106 MW at Dikchu S/s.	400 kV Rangpo-Dikchu #2 ((Teesta-III Bypass)) 400/132kV ICT at Dikchu Dikchu Unit-1 Dikchu Unit-2 GT-1 & 2
8	GD-1	PVUNL	28.07.2025 03:27	28.07.2025 20:23	16:56	0	4	0.00%	0.02%	28830	26167	At present PVUNL is drawing start up power radially through 400kV Tenughat S/s through 400kV Tenughat-PVUNL. At 03:27 Hrs on 28.07.2025, 400kV Tenughat-PVUNL tripped on over voltage from PVUNL and DT send to Tenughat end. Due to tripping of this line, 400 kV PVUNL S/s became dead. Around 4 MW load loss(start-up power) occurred at PVUNL S/s.	400kV Tenughat-PVUNL line
9	GI-2	DIKCHU HEP	30.07.2025 13:26	30.07.2025 13:52	00:26	106	0	0.45%	0.00%	23316	25564	Prior to the disturbance Dikchu generation was around 106 MW evacuating through 400kV Dikchu-Rango Line and 400kV Dikchu-Rango (Teesta-III Bypass) Line. At 13:26 Hrs, 132kV bus bar protection mal-operated during testing of bus-coupler relay, which led to tripping of 400/132kV ICT and GT-1 & 2 at Dikchu. Due to complete loss of evacuation path, Dikchu unit#1 & 2 tripped on over speed/ over frequency protection. This resulted in a total generation loss of 106 MW at Dikchu S/s.	400/132kV ICT at Dikchu Dikchu Unit-1 Dikchu Unit-2 GT-1 & 2

**Details of Grid Events during the Month of July 2025 in North Eastern Region**

Sl No.	Category of Grid Event ( GI 1 or GI 2/ GD-1 to GD-5)	Affected Area	Time and Date of occurrence of Grid Event	Time and Date of Restoration	Duration (HH:MM)	Loss of generation / loss of load during the Grid Event		% Loss of generation / loss of load w.r.t Antecedent Generation/Load in the Regional Grid during the Grid Event		Antecedent Generation/Load in the Regional Grid*		Brief details of the event ( pre fault and post fault system conditions)	Elements Tripped
						Generation Loss(MW)	Load Loss (MW)	% Generation Loss (MW)	% Load Loss (MW)	Antecedent Generation (MW)	Antecedent Load (MW)		
1	GD I	Chiephobozou, Wokha and Sanis areas of Nagaland Power System	01-07-2025 15:32	01-07-2025 16:11	00:39	0	8	0.00%	0.25%	2666	3201	Chiephobozou, Wokha and Sanis areas of Nagaland Power System are connected with rest of NER Grid through 132kV Zhadima-Chiephobozou and 132kV Doyang-Sanis lines.  At 15:32 Hrs of 01-07-2025, 132 KV Doyang-Sanis and 132 KV Zhadima- Chiephobozou lines tripped. Due to tripping of these elements, Chiephobozou, Wokha and Sanis areas of Nagaland Power System were isolated from NER Grid and collapsed due to no source available in these areas.  Power supply restored to Chiephobozou, Wokha and Sanis areas of Nagaland Power System at 16:11 Hrs of 01-07-2025 by charging 132 KV Zhadima Chiephobozou line.	132 KV Doyang-Sanis and 132 KV Zhadima-Chiephobozou lines
2	GD I	Leshka HEP of Meghalaya Power System	01-07-2025 22:48	01-07-2025 23:07	00:19	120	0	3.80%	0.00%	3155	3501	Leshka HEP of Meghalaya Power System was connected with rest of NER Grid via 132 KV Mynkre-Leshka D/C lines.  At 22:48 Hrs of 01-07-2025, 132 KV LESHKA-Mynkre D/C lines tripped. Due to tripping of these elements, Leshka HEP got isolated due to load generation mismatch in this area.  Power supply was extended to Leshka HEP by energizing 132 kV Leshka-Mynkre 1 line at 23:07 Hrs, followed by the charging of Line 2 at 23:08 Hrs of 01-07-2025.	132 KV LESHKA-Mynkre D/C lines
3	GD I	Haflong(AS) area of Assam Power System	04-07-2025 04:06	04-07-2025 05:15	01:09	0	2	0.00%	0.08%	2576	2487	Haflong (AS) area of Assam Power System is radially connected with rest of NER Grid via 132 KV Haflong (AS) –Haflong(PG) line.  At 04:06 Hrs of 04.07.2025, 132 KV Haflong (AS) –Haflong(PG) line tripped leading to blackout of Haflong(AS) substation of Assam power system.  Power supply was extended to Haflong(AS) area of Assam Power System by charging 132 kV Haflong (AS) – Haflong(PG) line at 05:15 hrs of 04-07-2025.	132 KV Haflong (AS) –Haflong(PG) line
4	GD I	Leshka HEP of Meghalaya Power System	04-07-2025 12:31	04-07-2025 13:06	00:35	70	0	2.73%	0.00%	2561	2883	Leshka HEP of Meghalaya Power System was connected with rest of NER Grid via 132 KV Mynkre-Leshka D/C lines.  At 12:31 Hrs of 04-07-2025, 132 KV Khleihriat-Mynkre D/C lines & 132 KV LESHKA-Mynkre D/C lines tripped. Due to tripping of these elements, Leshka HEP got isolated due to load generation mismatch in this area.  Power supply was restored by energizing 132 KV Khleihriat -Mynkre D/C lines at 12:46 Hrs and 132 KV Mynkre-Leska line 2 at 13:06 Hrs of 04-07-2025.	132 KV Khleihriat-Mynkre D/C lines & 132 KV LESHKA-Mynkre D/C lines
5	GD I	Khupi & Tenga areas of Arunachal Pradesh Power System	04-07-2025 22:34	04-07-2025 23:49	01:15	0	25	0.00%	0.80%	3216	3140	Khupi & Tenga areas of Arunachal Pradesh Power System were connected with rest of NER Grid through 132 KV Balipara-Tenga line, 132 KV Kameng-Khupi line & 400/132 KV Kameng ICT.  At 22:34 Hrs of 04-07-2025, 132 KV Balipara-Tenga and 132 KV Bus Coupler at Kameng tripped. Due to tripping of these elements, Khupi & Tenga areas of Arunachal Pradesh Power System got isolated from NER Grid and collapsed due to no source available in these areas.  Power supply was restored to Khupi & Tenga areas of Arunachal Pradesh Power System by charging 132kV Balipara-Tenga and 132 KV Kameng-Khupi 23:49 Hrs and 00:16 Hrs of 04-07-2025 and 05-07-2025 respectively.	132 KV Balipara-Tenga and 132 KV Bus Coupler at Kameng
6	GD I	Turial HEP of Mizoram Power System	06-07-2025 12:45	06-07-2025 12:56	00:11	0	2	0.00%	0.08%	2429	2536	Turial HEP of Mizoram Power system is connected to the rest of the NER grid through 132 kV Kolasib Turial line.  At 12:45 Hrs of 06-07-2025, 132 KV Kolasib-Turial line tripped leading to grid disturbance in Turial HEP.  Power supply was restored in Turial HEP of Mizoram Power system by charging 132 KV Kolasib- Turial line at 12:56 Hrs of 06-07-2025.	132 KV Kolasib-Turial line
7	GD I	Kohima, Wokha, Sanis, Zhadima, Kiphire and Meluri areas of Nagaland power system	10-07-2025 14:01	10-07-2025 14:33	00:32	0	23	0.00%	0.92%	2576	2487	Kohima, Wokha, Sanis, Zhadima, Kiphire and Meluri areas of Nagaland power system were connected with rest of NER grid via 132 KV Karong-Kohima line & 132 KV Doyang-Sanis line. Prior to the event, 132 KV Dimapur(PG)-Kohima line was under outage.  At 14:01 Hrs of 10-07-2025, 132 KV Karong-Kohima line & 132 KV Doyang-Sanis line tripped. Due to tripping of these elements, Kohima, Wokha, Sanis, Zhadima, Kiphire and Meluri areas of Nagaland power system got isolated from NER grid due to no source available in these areas.  Power was extended to Kohima, Wokha, Zhadima, Kiphire and Meluri areas of Nagaland power system by charging 132 KV Karong-Kohima line at 14:23 Hrs of 10-07-2025. Power was extended to Sanis area by charging 132 KV Doyang-Sanis line at 14:33 Hrs of 10-07-2025.	132 KV Karong-Kohima line & 132 KV Doyang-Sanis line

**Details of Grid Events during the Month of July 2025 in North Eastern Region**

Sl No.	Category of Grid Event ( GI 1 or GI 2/ GD-1 to GD-5)	Affected Area	Time and Date of occurrence of Grid Event	Time and Date of Restoration	Duration (HH:MM)	Loss of generation / loss of load during the Grid Event		% Loss of generation / loss of load w.r.t Antecedent Generation/Load in the Regional Grid during the Grid Event		Antecedent Generation/Load in the Regional Grid*		Brief details of the event ( pre fault and post fault system conditions)	Elements Tripped
						Generation Loss(MW)	Load Loss (MW)	% Generation Loss (MW)	% Load Loss (MW)	Antecedent Generation (MW)	Antecedent Load (MW)		
8	GD I	Zhadima, Chiephobozou, Wokha and Sanis areas of Nagaland Power System	11-07-2025 07:02	11-07-2025 07:55	00:53	0	6	0.00%	0.22%	2886	2698	Zhadima, Chiephobozou, Wokha and Sanis areas of Nagaland Power System are connected with rest of NER Grid through 132 KV Zhadima - Kohima line and 132 KV Doyang-Sanis line.  At 07:02 Hrs of 11-07-2025, 132 KV Zhadima – Kohima, 132 KV Zhadima - Chiephobozou , 132 KV Chiephobozou - Wokha, 132 KV Doyang-Sanis and 132 KV Sanis-Wokha lines tripped. Due to tripping of these elements, Zhadima, Chiephobozou, Wokha and Sanis areas of Nagaland Power System were isolated from NER Grid and collapsed due to no source available in these areas.  Power supply was restored to Chiephobozou, Wokha, Sanis and Zhadima areas of Nagaland Power System at 07:55 Hrs of 11-07-2025 by charging 132 KV Doyang - Sanis line.	132 KV Zhadima – Kohima, 132 KV Zhadima - Chiephobozou , 132 KV Chiephobozou - Wokha, 132 KV Doyang-Sanis and 132 KV Sanis-Wokha lines tripped
9	GD I	Karong area of Manipur Power System	11-07-2025 11:30	11-07-2025 11:48	00:18	0	4	2.96%	0.13%	2567	2965	Karong area of Manipur Power System was connected with rest of NER Grid through 132 KV Kohima Karong line and 132 KV Imphal(MA)–Karong line.  At 11:30 Hrs of 11-07-2025, 132 KV Kohima-Karong line and 132 KV Imphal(MA)–Karong line tripped. Due to tripping of these elements, Karong area of Manipur Power System was isolated from NER Grid and collapsed due to no source available in this area.  Power was extended to Karong area by charging 132 KV Imphal-Karong line at 11:48 Hrs of 11-07-2025.	132 KV Kohima-Karong line and 132 KV Imphal(MA)–Karong line
10	GD I	Tipaimukh area of Manipur Power System	13-07-2025 12:02	13-07-2025 12:41	00:39	0	1	0.00%	0.03%	2428	3031	Tipaimukh area of Manipur Power system is connected with the rest of the NER grid through 132 KV Jiribam-Tipaimukh and 132 KV Aizawl-Tipaimukh lines.  At 12:02 Hrs of 13.07.2025, 132 KV Jiribam-Tipaimukh and 132 KV Aizawl-Tipaimukh lines tripped leading to blackout of Tipaimukh area of Manipur Power system.  Power was extended to Tipaimukh area of Manipur power system by charging 132 KV Jiribam-Tipaimukh line at 12:41 Hrs of 13.07.2025.	132 KV Jiribam-Tipaimukh and 132 KV Aizawl-Tipaimukh lines
11	GD I	Deomali area of Arunachal Pradesh Power System	14-07-2025 10:26	14-07-2025 15:37	05:11	0	4	0.00%	1.12%	2356	2946	Deomali area of Arunachal Pradesh Power System is connected with the rest of the NER grid through 220 KV AGBPP - Deomali line.  At 10:26 Hrs of 14.07.2025, 220 KV AGBPP - Deomali line tripped leading to blackout of Deomali area of Arunachal Pradesh Power system.  Power was extended to Deomali area by charging 220 KV AGBPP-Deomali line at 15:37 Hrs of 14-07-2025.	220 KV AGBPP - Deomali line
12	GD I	Meluri, Kiphire and LHEP areas of Nagaland Power System	14-07-2025 12:14	14-07-2025 13:05	00:51	24	2	1.05%	0.07%	2293	3035	Meluri, Kiphire and LHEP areas of Nagaland Power System are connected with rest of NER Grid through 132 KV Kohima-Meluri line.  At 12:14 Hrs of 14-07-2025, 132KV Kohima-Meluri line tripped. Due to tripping of this line, Meluri, Kiphire and LHEP areas of Nagaland Power System were isolated from NER Grid due to load generation mismatch in these areas.  Power supply restored to Meluri, Kiphire and LHEP areas of Nagaland Power System by charging 132 KV Kohima-Meluri line at 13:05 Hrs of 14-07-2025.	132KV Kohima-Meluri line
13	GD I	Tenga & Dikshi HEP of Arunachal Pradesh Power System	14-07-2025 15:41	14-07-2025 16:34	00:53	11	0	0.47%	0.00%	2320	2792	Tenga & Dikshi HEP of Arunachal Pradesh were connected to rest of NER grid through 132 KV Tenga-Khupi & 132 KV Dikshi-Tenga lines. Prior to the event, 132 KV Balipara-Tenga line tripped at 13:41 Hrs of 14.07.2025.  At 15:41 Hrs of 14-07-2025, while charging attempt of 132 KV Balipara-Tenga line, 132 KV Khupi-Tenga line also tripped. Due to these tripping, Tenga & Dikshi HEP of Arunachal Pradesh Power System got isolated and collapsed due to load-generation mismatch in these areas.  Power supply was extended to Tenga & Dikshi HEP by charging 132 KV Tenga –Khupi line at 16:34 Hrs of 14-07-2025.	132 KV Khupi-Tenga line
14	GD I	Zhadima, Chiephobozou, Wokha and Sanis areas of Nagaland Power System	15-07-2025 14:43	15-07-2025 15:15	00:32	7.2	23	0.34%	0.78%	2137	2931	Zhadima, Chiephobozou, Wokha and Sanis areas of Nagaland Power System are connected with rest of NER Grid through 132 KV Zhadima - Kohima line and 132 KV Doyang-Sanis line. Prior to the event, 132 KV Kohima-Zhadima line was under emergency shutdown from 09:07 Hrs of 15.07.2025.  At 14:43 Hrs of 15-07-2025, 132 KV Doyang-Sanis line tripped. Due to tripping of this element, Zhadima, Chiephobozou, Wokha and Sanis areas of Nagaland Power System were isolated from NER Grid and collapsed due to no source available in these areas.  Power supply was restored to Zhadima, Chiephobozou & Wokha areas of Nagaland Power System by charging 132 KV Zhadima – Kohima line at 15:00 Hrs of 15-07-2025. Power was extended to Sanis areas by charging 132 KV Doyang-Sanis line at 15:15 Hrs of 15-07-2025.	132 KV Doyang-Sanis line
15	GD I	Amrit area of Meghalaya Power System	16-07-2025 04:24	16-07-2025 18:37	14:13	0	4	0.00%	0.15%	3030	2596	Amrit substation is connected to the rest of the NER grid via the 132KV Lumshnong-Amrit line.  At 04:24 Hrs of 16-07-2025, 132 KV Lumshnong-Amrit line tripped, leading to blackout of Amrit substation.  Power supply was extended to Amrit substation by charging 132 KV Amrit-Lumshnong line at 18:37 Hrs of 16-07-2025.	132 KV Lumshnong-Amrit line
16	GD I	Central Assam(Depota section)	16-07-2025 14:32	16-07-2025 14:36	00:04	16	84	0.63%	2.72%	2539	3092	At 14:32 Hrs of 16-07-2025, 220/132kV, 100MVA T/F-2 at Sonabil tripped due to which grid disturbance occurred in Central Assam (Depota section) area.  Power was extended by charging 220/132kV, 100MVA T/F-2 at Sonabil at 14:36 hrs of 16-07-2025.	220/132kV, 100MVA T/F-2

**Details of Grid Events during the Month of July 2025 in North Eastern Region**

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						Generation Loss(MW)	Load Loss (MW)	% Generation Loss (MW)	% Load Loss (MW)	Antecedent Generation (MW)	Antecedent Load (MW)		
17	GD I	Central Assam(Depota section)	16-07-2025 15:18	16-07-2025 15:23	00:05	8	75	0.32%	2.50%	2482	3004	At 15:18 Hrs of 16-07-2025, 220/132kV, 100MVA T/F-2 at Sonabil tripped due to which grid disturbance occurred in Central Assam (Depota section) area. Power was extended by charging 220/132kV, 100MVA T/F-2 at Sonabil at 15:23 hrs of 16-07-2025.	220/132kV, 100MVA T/F-2
18	GD I	Rengpang area of Manipur Power System	19-07-2025 12:26	19-07-2025 12:46	00:20	0	1	0.00%	0.03%	2058	3150	Rengpang area of Manipur Power System is connected with rest of NER Grid through 132 kV Loktak-Rengpang line. Prior to the event, 132 KV Jiribam - Rengpang line was under long outage since 18:18 Hrs of 17.11.2023. At 12:26 Hrs of 19-07-2025, 132 KV Loktak - Rengpang line tripped. Due to tripping of this element, Rengpang area of Manipur Power System was isolated from NER Grid and collapsed due to no source available in this area. Power was extended to Rengpang area of Manipur power system by charging 132 kV Loktak-Rengpang line at 12:46 Hrs of 19-07-2025.	132 kV Loktak-Rengpang line
19	GD I	Rengpang area of Manipur Power System	20-07-2025 11:59	20-07-2025 12:14	00:15	0	1	0.00%	0.04%	2411	2671	Rengpang area of Manipur Power System is connected with rest of NER Grid through 132 kV Loktak Rengpang line. Prior to the event, 132 KV Jiribam - Rengpang line was under long outage since 18:18 Hrs of 17.11.2023. At 11:59 Hrs of 20-07-2025, 132 KV Loktak - Rengpang line tripped. Due to tripping of this element, Rengpang area of Manipur Power System was isolated from NER Grid and collapsed due to no source available in this area. Power supply was extended to the Rengpang area of Manipur by charging the 132kV Loktak-Rengpang line at 12:14 Hrs of 20-07-2025.	132 kV Loktak - Rengpang line
20	GD I	Umiam Stg III and New Umtru area of Meghalaya Power System	21-07-2025 16:44	21-07-2025 17:00	00:16	20	0	0.77%	0.00%	2605	2692	Umiam Stg III and New Umtru area of Meghalaya Power System were connected with rest of NER Grid through 132 kV Umtru – Umiam Stg 3 D/C lines, 132 kV New Umtru – Umtru, and 132 kV EPIP 2 – Umtru line II lines. Prior to the event, 132 KV Umiam Stage1 – Umiam Stage3 line D/C lines tripped at 16:17 Hrs and 132 KV Umiam Stage4 – Umiam Stage1 & 2 lines tripped at 16:39 Hrs and 16:17 Hrs respectively. At 16:44 Hrs of 21-07-2025, 132 KV Umtru – Stage3 D/C lines, 132 kV New Umtru – Umtru, and 132 KV EPIP 2 –Umtru line II and New Umtru HEP Unit-1 tripped. Due to tripping of these elements, Umiam Stg III and New Umtru area of Meghalaya Power System were isolated from NER Grid and collapsed due to loss of evacuation path. Power supply was extended to the Umiam Stg III and New Umtru area of Meghalaya Power System by charging 132 kV Umiam Stage1 – Umiam Stage3 line-1at 16:55 Hrs and 132 KV EPIP 2 – New Umtru line II line at 17:00 Hrs of 21-07-2025 respectively.	132 kV Umtru – Stage3 D/C lines, 132 kV New Umtru – Umtru, and 132 KV EPIP 2 –Umtru line II and New Umtru HEP Unit-1
21	GD I	Rengpang area of Manipur Power System	22-07-2025 10:31	22-07-2025 11:35	01:04	0	1	0.00%	0.03%	2542	2980	Rengpang area of Manipur Power System is connected with rest of NER Grid through 132kV Loktak Rengpang line. Prior to the event, 132 KV Jiribam - Rengpang line was under long outage since 18:18 Hrs of 17.11.2023. At 10:31 Hrs of 22-07-2025, 132 KV Loktak - Rengpang line tripped. Due to tripping of this element, Rengpang area of Manipur Power System was isolated from NER Grid and collapsed due to no source available in this area. Power supply was extended to the Rengpang area of Manipur by charging the 132kV Loktak-Rengpang line at 11:35 Hrs of 22-07-2025.	132 kV Loktak - Rengpang line
22	GD I	Mynkre area and Leshka HEP of Meghalaya Power System	24-07-2025 10:53	24-07-2025 11:13	00:20	0	20	0.00%	0.63%	2363	3159	Leshka HEP & Mynkre area of Meghalaya power system were connected with the rest of NER grid through 132 kV Mynkre-Khleihriat D/C lines & 132 kV Leshka-Mynkre D/C lines. At 10:53 Hrs of 24-07-2025, 132 KV Mynkre-Khleihriat D/C lines & 132 kV Leshka-Mynkre D/C lines tripped resulting in blackout of Leshka HEP & Mynkre area of Meghalaya power system. Power supply was restored by charging 132 KV Khleihriat -Mynkre-I line at 11:13 Hrs of 24-07-2025.	132 kV Mynkre-Khleihriat D/C lines & 132 kV Leshka-Mynkre D/C lines
23	GD I	Zhadima, Chiephobozou, Wokha and Sanis areas of Nagaland Power System	24-07-2025 10:52	25-07-2025 01:22	01:30	0	2	0.00%	0.06%	3022	3589	Zhadima, Chiephobozou, Wokha and Sanis areas of Nagaland Power System are connected with rest of NER Grid through 132kV Zhadima - Kohima line and 132kV Doyang-Sanis line. At 23:52 Hrs of 24-07-2025, 132kv Doyang-Sanis and 132kV Kohima - Zhadima line tripped. Due to tripping of these elements, Zhadima, Chiephobozou, Wokha and Sanis areas of Nagaland Power System were isolated from NER Grid and collapsed due to no source available in these areas. Power supply restored to Zhadima, Chiephobozou, Wokha and Sanis areas of Nagaland Power System by charging 132 kV Doyang - Sanis and 132 KV Zhadima - Kohima line at 00:45 hrs & 01:22 Hrs of 25-07-2025 respectively.	132kV Doyang-Sanis and 132kV Kohima - Zhadima lines

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						Generation Loss(MW)	Load Loss (MW)	% Generation Loss (MW)	% Load Loss (MW)	Antecedent Generation (MW)	Antecedent Load (MW)		
24	GD I	Nalbari, Bornagar, Rangia, Sipahijar, Tangla, Amingaon, Nathkuchi, Kamalpur, Hajo, AIMS and Sishugram areas of Assam Power System	25-07-2025 05:29	25-07-2025 06:05	00:36	0	100	0.00%	4.49%	2530	2228	At 05:29 Hrs of 25-07-2025, 220 KV BTPS-Rangia D/C lines tripped. Subsequently, SPS at Rangia operated successfully. Hence, all radially connected substations were disconnected as per the logic of the SPS resulting in blackout at Nalbari, Bornagar, Rangia, Sipahijar, Tangla, Amingaon, Nathkuchi, Kamalpur, Hajo, AIMS and Sishugram areas of Assam Power System. Power supply was extended to Rangia by charging 220KV BTPS-Rangia line 1 and 220 KV BTPS-Rangia line 2 line at 06:05 Hrs and 06:25 Hrs of 25-07-2025 respectively and subsequently power was extended to Nalbari, Bornagar, Rangia, Sipahijar, Tangla, Amingaon, Nathkuchi, Kamalpur, Hajo, AIMS and Sishugram areas of Assam Power System.	220 KV BTPS-Rangia D/C lines
25	GD I	Kolasib, Bairabi and Turial area of Mizoram Power SystemSihmmui area of Mizoram Power System	25-07-2025 14:10	25-07-2025 14:38	00:28	0	6	0.00%	0.20%	2396	2948	Kolasib area, Turial HEP & Bairabi HEP of the Mizoram Power system is connected to the rest of the NER grid through 132 KV Kolasib-Badarpur line & 132 KV Aizawl-Kolasib line. Prior to the event, 132 KV Aizawl-Kolasib line was under outage. At 14:10 hrs of 25-07-2025, 132 KV Badarpur-Kolasib line tripped leading to loss of power in Kolasib, Turial and Bairabi area of Mizoram Power system. Power supply was restored in Kolasib area at 14:38 hrs by charging 132 KV Aizawl - Kolasib line.	132 KV Badarpur-Kolasib line
26	GD I	Kolasib, Bairabi and Turial area of Mizoram Power System	26-07-2025 11:50	26-07-2025 12:30	00:40	0	3	0.00%	0.10%	2300	2985	Kolasib area, Turial HEP & Bairabi HEP of Mizoram Power system is connected to the rest of the NER grid through 132 KV Kolasib-Badarpur and 132 KV Kolasib - Aizawl lines.  At 11:50 hrs of 26-07-2025, 132KV Badarpur-Kolasib & 132 KV Kolasib-Aizawl lines tripped leading to loss of power in Kolasib, Turial and Bairabi area of Mizoram Power system.  Power supply was restored in Kolasib area by charging 132 KV Badarpur - Kolasib line at 12:30 Hrs of 26-07-2025.	132KV Badarpur-Kolasib & 132 KV Kolasib-Aizawl lines
27	GD I	Rangia, Amingaon, Kamalpur, Sipahijar, Tangla, Nalbari and Nathkuchi areas of Assam Power System	26-07-2025 12:17	26-07-2025 12:46	00:29	0	200	0.00%	6.74%	2369	2967	Rangia, Amingaon, Kamalpur, Sipahijar, Tangla, Nalbari and Nathkuchi areas of Assam Power System were connected with rest of NER Grid through 220KV BTPS - Rangia D/C lines. Prior to the event, 220KV BTPS-Rangia 1 tripped at 12:46 Hrs. At 12:17 hrs of 26-07-2025, 220 KV BTPS-Rangia 2 line tripped due to which SPS at Rangia operated at the same time which leads to black out at Rangia, Amingaon, Kamalpur, Sipahijar, Tangla, Nalbari and Nathkuchi areas of Assam Power System.  Power supply was extended to Rangia area by charging 220KV BTPS -Rangia line 1 at 12:46 Hrs of 26-07-2025. Subsequently, Power was extended to Amingaon, Kamalpur, Sipahijar, Tangla, Nalbari and Nathkuchi areas of Assam power system.	220 KV BTPS-Rangia 2 line
28	GD I	Kohima, Sanis, Wokha, Chiephobozou and Zhadima areas of Nagaland Power System	26-07-2025 14:08	26-07-2025 15:40	01:32	0	25	0.00%	0.80%	2513	3121	Kohima, Sanis, Wokha, Chiephobozou and Zhadima areas of Nagaland Power System were connected with rest of NER grid through 132 KV Kohima - Karong, 132 KV Kohima – Dimapur and 132KV Doyang-Sanis lines.  At 14:08 Hrs of 26-07-2025, 132 KV Kohima – Karong, 132 KV Kohima – Dimapur and 132KV Doyang-Sanis lines tripped. Due to tripping of these elements, Kohima, Sanis, Wokha, Chiephobozou and Zhadima areas of Nagaland Power System got isolated due to no source available in these areas.  Power supply was extended to Kohima, Sanis, Wokha, Chiephobozou and Zhadima areas of Nagaland Power System by charging 132 KV Kohima – Karong line at 14:40 Hrs, 132 KV Kohima – Dimapur line at 14:49 Hrs and 132 KV Doyang - Sanis line at 15:40 Hrs of 26-07-2025.	132 KV Kohima – Karong, 132 KV Kohima – Dimapur and 132KV Doyang-Sanis lines
29	GD I	Daporijo, Basar and Along area of Arunachal Pradesh Power System	27-07-2025 04:58	27-07-2025 06:29	01:31	0	5	0.00%	0.20%	2575	2525	Daporijo, Basar and Along areas of Arunachal Pradesh Power System is connected to the rest of the NER grid through 132KV Ziro –Daporijo and 132 KV Pasighat-Along lines. At 04:58 hrs of 27-07-2025, 132KV Ziro –Daporijo and 132KV Pasighat – Along lines tripped. Due to tripping of these elements, Daporijo, Basar and Along areas of Arunachal Pradesh Power System got isolated from NER Grid. Power supply was restored in Daporijo, Basar and Along area by charging 132KV Ziro –Daporijo at 06:29 Hrs of 27-07-2025.	132KV Ziro –Daporijo and 132KV Pasighat – Along lines
30	GD I	Turial HEP of Mizoram Power System	27-07-2025 00:55	28-07-2025 18:21	41:26	0	58	0.00%	1.52%	3321	3819	Turial HEP of Mizoram Power System was connected NER Power system via 132kV Turial - Kolasib line. At 00:55 Hrs of 27-06-2024, 132kV Turial - Kolasib line tripped due to which Turial HEP of Mizoram Power System was isolated from NER Grid and collapsed due to loss of evacuation path. Power was extended to Turial area by charging 132 KV Turial-Kolasib line at 18:21 Hrs of 28-07-2025.	132kV Turial - Kolasib line
31	GD I	Kolasib & Bairabi HEP of Mizoram Power System	27-07-2025 01:18	27-07-2025 01:44	00:26	0	6	0.00%	0.20%	2616	3010	Kolasib & Bairabi HEP of Mizoram Power System is connected to the rest of the NER grid through 132 KV Kolasib-Badarpur and 132KV Kolasib - Aizawl lines. Prior to the event, 132kV Turial - Kolasib line tripped at 00:55 Hrs of 27-07-2025. At 01:18 Hrs of 27-07-2025, while taking charging attempt of 132 KV Turial-Kolasib line, 132KV Kolasib-Badarpur and 132KV Kolasib - Aizawl lines tripped leading to blackout in Kolasib, Bairabi area of Mizoram Power System. Power supply was restored in Kolasib and Bairabi area by charging 132 KV Badarpur – Kolasib line at 01:44 Hrs of 27-07-2025.	132KV Kolasib-Badarpur and 132kV Kolasib - Aizawl lines

**Details of Grid Events during the Month of July 2025 in North Eastern Region**

Sl No.	Category of Grid Event ( GI 1 or GI 2/ GD-1 to GD-5)	Affected Area	Time and Date of occurrence of Grid Event	Time and Date of Restoration	Duration (HH:MM)	Loss of generation / loss of load during the Grid Event		% Loss of generation / loss of load w.r.t Antecedent Generation/Load in the Regional Grid during the Grid Event		Antecedent Generation/Load in the Regional Grid*		Brief details of the event ( pre fault and post fault system conditions)	Elements Tripped
						Generation Loss(MW)	Load Loss (MW)	% Generation Loss (MW)	% Load Loss (MW)	Antecedent Generation (MW)	Antecedent Load (MW)		
32	GD I	Kolasib & Bairabi HEP of Mizoram Power System	27-07-2025 08:24	27-07-2025 08:49	00:25	0	5	0.00%	0.20%	2398	2473	Kolasib & Bairabi HEP of Mizoram Power System is connected to the rest of the NER grid through 132kV Kolasib-Badarpur and 132kV Kolasib -Aizawl lines. Prior to the event, 132kV Turial - Kolasib line tripped at 00:55 Hrs of 27-07-2025. At 08:24 Hrs of 27-07-2025, while taking charging attempt of 132 KV Turial-Kolasib line, 132kV Kolasib-Badarpur and 132kV Kolasib- Aizawl lines tripped leading to blackout in Kolasib & Bairabi area of Mizoram Power System. Power supply was restored in Kolasib area by charging 132KV Aizawl -Kolasib line at 08:49 Hrs of 27-07-2025.	32kV Kolasib-Badarpur and 132kV Kolasib- Aizawl lines
33	GD I	Kolasib & Bairabi HEP of Mizoram Power System	27-07-2025 13:24	27-07-2025 14:21	00:57	0	5	0.00%	0.20%	2398	2473	Kolasib, Bairabi and Turial areas of Mizoram Power System is connected to the rest of the NER grid through 132 KV Kolasib-Badarpur and 132 KV Kolasib - Aizawl lines. Prior to the event, 132kV Turial - Kolasib line tripped at 00:55 Hrs of 27-07-2025. At 13:24 Hrs of 27-07-2025, while taking charging attempt of 132 KV Turial-Kolasib line, 132 KV Kolasib-Badarpur and 132 KV Kolasib-Aizawl Lines tripped leading to blackout in Kolasib & Bairabi areas of Mizoram power system. Power was extended to Kolasib area by charging 132 KV Aizawl-Kolasib line at 14:21 hrs of 27-07-2025.	132 KV Kolasib-Badarpur and 132 KV Kolasib-Aizawl Lines
34	GD I	Turial HEP area of Mizoram Power System	28-07-2025 19:44	29-07-2025 07:55	12:11	56	0	2.19%	0.00%	2554	3149	Turial areas of Mizoram Power System is connected to the rest of the NER grid through 132 KV Kolasib - Turial line. At 19:44 Hrs of 28-07-2025, 132 KV Kolasib - Turial line tripped leading to blackout in Turial HEP of Mizoram power system. Power was extended to Turial area by charging 132 KV Turial-Kolasib line at 07:55 Hrs of 29-07-2025.	132 KV Kolasib - Turial line
35	GD I	Rengpang area of Manipur Power System	29-07-2025 10:03	29-07-2025 16:46	06:43	0	1	0.00%	0.03%	2737	2961	Rengpang area of Manipur Power System is connected with rest of NER Grid through 132 KV Loktak Rengpang line. Prior to the event, 132KV Jiribam - Rengpang line was under long outage since 18:18 Hrs of 17.11.2023. At 10:03 Hrs of 29-07-2025, 132 KV Loktak - Rengpang line tripped. Due to tripping of this element, Rengpang area of Manipur Power System was isolated from NER Grid and collapsed due to no source available in this area. Power was extended to Rengpang substation by charging 132kV Loktak-Rengpang line at 12:52 Hrs of 30-07-2025.	132 KV Loktak-Rengpang line
36	GD I	Dharmanagar area of Tripura and Dullavcherra area of Assam Power System	30-07-2025 13:02	30-07-2025 13:25	00:23	0	34	0.00%	1.13%	2410	3022	Dharmanagar area of Tripura and Dullavcherra area of Assam Power System is connected with rest of NER Grid through 132kV PK Bari-Dharmanagar,132kV Dharmanagar and 132kV Dullavcherra Hailakandi lines. Prior to the event, 132kV PK Bari-Dharmanagar line was under planned shutdown from 11:08 hrs of 30-07-2025. During this period Dharmanagar and Dullavcherra was radially connected through 132kV Hailakandi-Dullavcherra line. At 13:02 Hrs of 30-07-2025, 132kV Hailakandi-Dullavcherra line tripped. Due to tripping of this element, Dharmanagar and Dullavcherra area of Tripura Power System was isolated from NER Grid and collapsed due to no source available in this area. Power was extended to Dharmanagar and Dullavcherra area by charging 132kV Hailkandi-Dullavcherra line at 13:25 hrs of 30-07-2025.	132kV Hailakandi-Dullavcherra line
37	GD I	Rengpang area of Manipur Power System	30-07-2025 11:44	30-07-2025 12:52	01:08	0	1	0.00%	0.03%	2568	2982	Rengpang area of Manipur Power System is connected with rest of NER Grid through 132kV Loktak Rengpang line. Prior to the event, 132KV Jiribam - Rengpang line was under long outage since 18:18 Hrs of 17.11.2023. At 11:44 Hrs of 30-07-2025, 132KV Loktak - Rengpang line tripped. Due to tripping of this element, Rengpang area of Manipur Power System was isolated from NER Grid and collapsed due to no source available in this area. Power was extended to Rengpang substation by charging 132kV Loktak Rengpang line at 12:52 Hrs of 30-07-2025.	132kV Loktak - Rengpang line
38	GD I	Dibrugarh area of Assam Power System	30-07-2025 07:04	30-07-2025 10:00	02:56	0	34	0.00%	1.35%	2874	2510	Dibrugarh area of Assam power system was connected to rest of NER grid through 132 kV Dibrugarh-Behiating line. Prior to the event, 132kV Dibrugarh-Tinsukia was faulty since 04:03 hrs of 29-07-2025. At 07:04 Hrs of 30-07-2025, 132 KV Dibrugarh-Behiating line tripped. Due to tripping of this element, Dibrugarh area of Assam power system got isolated due to no source available in this area. Power was extended to Dibrugarh area by charging 132 kV Dibrugarh-Behiating line at 10:00 hrs of 30-07-2025.	132 kV Dibrugarh-Behiating line

**21. NEW ELEMENTS CHARGED IN JULY 2025**
**GENERATING UNITS**

REGION	S. NO.	Location	Owner/Unit Name	Unit No/Source	Capacity added (MW)	Total/Installed Capacity (MW)	DATE
WR	1	220/33 kV Daypar	NTPC REL	Wind	6	146/150	23.07.2025
	2	220/33 kV Devasar	Ayana Renewable Power Four Private Limited (ARP4PL)	Wind	23.1	23.1/112.5	10.07.2025
	3	220/33 kV Zura	Ayana Renewable Power Four Private Limited (ARP4PL)	Solar	75	75/150	07.07.2025
	4	400/33 kV Khavda PSS-5	Adani Hybrid Energy Jaisalmer Five Limited (AHEJ5L) PSS5	Solar	50	345/570	31.07.2025
	5	400/33 kV Khavda PSS-10	Adani Green Energy Twenty Six B Limited (AGE26BL) PSS10	Wind	26	145.6/156	19.07.2025
	6	400/33 kV Khavda PSS-10	Adani Green Energy Twenty Six B Limited (AGE26BL) PSS10	Solar	50	50/292	16.07.2025
	7	400/33 kV NREL PSS-2	NTPC REL Khavda PSS2	Solar	35.36	946.6/1555	29.07.2025
	8	400/33 kV Khavda PSS-8	Adani Renewable Energy Three Limited (ARE3L) PSS8	Solar	25	25/25	16.07.2025
	9	400/33 kV Khavda PSS-8	Adani Renewable Energy Three Limited (ARE3L) PSS8	Wind	41.6	41.6/41.6	16.07.2025
	10	400/33 kV Khavda PSS-8	Adani Solar Energy Jodhpur Six Private Limited (ASEJ6PL) PSS8	Solar	37.5	37.5/37.5	16.07.2025
NR	11	220/33 kV Chikali Parmar Malwa	Blue Leaf Energy Renewable Private Limited (BLERPL)	Wind	33	115.5/115.5	02.07.2025
	12	220/33 kV Chikali Parmar Malwa	Blue Leaf Energy Renewable Private Limited (BLERPL)	Solar	56.1	108.9/119.5	04.07.2025
	13	220/33 kV Washi	TEQ Green Power XI Private Limited (TGPIXPL)	Wind	2.7	67.5/150	22.07.2025
	14	220/33 kV Washi	TEQ Green Power XI Private Limited (TGPIXPL)	Solar	24.425	24.425/24.425	08.07.2025
	15	400/33 kV Ghatnandur	Renew Surya Roshi Pvt Ltd (RSRPL)	Wind	66	66/300	23.07.2025
NER	16	400/33 kV Patoda	Renew Green (MHP One) Pvt Ltd (RGMOPL)	Wind	95.7	95.7/148.5	21.07.2025
	17	Bhadla	AMBUJA CEMENTS LIMITED(ACL)	Solar	150	150	24.07.2025
	18	Bhadla 2	EDEN RENEWABLE ALMA PRIVATE LIMITED(ERAPL)	Solar	200	300	28.07.2025
SR	19	GHATAMPUR TPS	660 MW, 776.47 MVA 22 KV Make GE Unit No 2 at 3*660 MW GHATAMPUR TPS(Stage 1)	Thermal	660	1980	20.07.2025
	20	Khandong, Assam	NEEPCO Khandong	Hydro/Unit-1	23	23/46	04.07.2025
	21	220KV/33KV Serentica GADAG 220KV GADAG PS-1	M/s Serentica Renewables India 3 Pvt. Ltd.	Wind	69.3	270	31.07.2025
	22	220KV IRCON Solar PSS / PAVAGADA	IRCON Renewable Power Limited	Solar	75	500	29.07.2025
					Total Thermal Generation addition	660	
					Total Hydro Generation addition	23	
				Total Solar Generation addition	778		
				Total Wind Generation addition	363		
Interconnecting/Generator/Station Transformers							
REGION	S.NO.	Agency/Owner	Sub-Station	ICT No.	Voltage Level (kV)	Capacity (MVA)	DATE
WR	1	Renew Surya Roshi Private Limited	220/33 kV Ghatnandur	ICT-1	220/33	160	21.07.2025
	2	Renew Surya Roshi Private Limited	220/33 kV Ghatnandur	ICT-2	220/33	160	21.07.2025
	3	Khavda Bhuj Transmission Limited	765/400 kV KPS1	ICT-8	765/400	1500	16.07.2025
	4	Adani Green Energy Limited	400/33 kV Khavda PSS8	ICT-3	400/33	330	14.07.2025
	5	Adani Green Energy Limited	400/33 kV Khavda PSS8	ICT-4	400/33	330	14.07.2025
	6	Sarjan Realities Private Limited	400/33 kV Khavda PSS10	ICT-3	400/33	330	09.07.2025
	7	Sarjan Realities Private Limited	400/33 kV Khavda PSS10	ICT-1	400/33	330	08.07.2025
	8	POWERGRID KPS3 Transmission Limited	765/400 kV KPS3	ICT-2	765/400	1500	11.07.2025
	9	Ayana Renewable Power 4 Private Ltd.	220/33 kV Zura	ICT-1	220/33	160	07.07.2025
	10	NTPC REL	400/33 kV NTPC REL Khavda	ICT-2	400/33	315	25.07.2025
NR	11	POWERGRID KPS2 Transmission System Limited	765/400 kV KPS2	ICT-5	765/400	1500	27.07.2025
	12	ESUCRL	ESUCRL SL_BHD_PG(ESUCRL MSS)	Power Transformer-1	220/33	125	08.07.2025
	13	ESUCRL	ESUCRL SL_BHD_PG(ESUCRL MSS)	Power Transformer-2	220/33	125	10.07.2025
	14	ESUCRL	ESUCRL SL_BHD_PG(ESUCRL MSS)	Power Transformer-3	220/33	125	10.07.2025
	15	ESUCRL	ESUCRL SL_BHD_PG(ESUCRL RPSS)	Power Transformer-1	220/33	300	11.07.2025
	16	ESUCRL	ESUCRL SL_BHD_PG(ESUCRL RPSS)	Power Transformer-2	220/33	300	11.07.2025
NER	17	NTPC	Singrauli(INT)	ICT-2	400/132	200	14.07.2025
	18	UPPTCL	Rasra (UP)	ICT-1	400/220/33	500	16.07.2025
	19	EDEN_RAPL	Eden_RAPL_SL_BHD2_PG	Power Transformer-2	220/33	150	25.07.2025
SR	20	NEEPCO	Khandong	GT-1	11/132	28.5	04.07.2025
	21	TGTRANSCO	Yadadri Thermal Power Station	GT 4	230/27	990	29.07.2025
	22	KPTCL	400/220 KV Hassan	ICT-3	400/220/33	500	30.07.2025
				ICT-3	400/220/33	500	10.07.2025
				Total (MVA)		10458.5	
NEW TRANSMISSION LINES							
REGION	S.NO.	Agency/Owner	Line Name	Length (KM)	Conductor Type	DATE	
WR	1	POWERGRID Khavda RE Transmission Limited	765KV Banaskantha Ahmedabad 1	135.1	AL59 Zebra 85C	03.07.2025	
	2	POWERGRID Khavda RE Transmission Limited	765KV Banaskantha Ahmedabad 2	135.1	AL59 Zebra 85C	02.07.2025	
	3	Renew Green (MHP One) Pvt Ltd	220 KV Kallam - Patoda RGMOPL	52.2	AL59 Moose 95Deg	14.07.2025	
	4	Ayana Renewable Power 4 Private Ltd.	220 KV Bhuj - Zura ARP4PL line	2.1	AL50 Moose	06.07.2025	
NR	5	ESUCRL	220KV ESUCRL_SL_BHD_PG(ESUCRL MSS1)-ESUCRL_SL_BHD_PG(ESUCRL MSS)-1	6.2	ACSS TEAL	08.07.2025	
	6	ESUCRL	220KV ESUCRL_SL_BHD_PG(ESUCRL MSS)-1	8.1	ACSS TEAL	08.07.2025	
	7	ESUCRL	220KV ESUCRL_SL_BHD_PG(ESUCRL RPSS)-Bhadla(PG)-2	0.7	ACSS TEAL	10.07.2025	
	8	ESUCRL	220KV ESUCRL_SL_BHD_PG(ESUCRL MSS)-ESUCRL_SL_BHD_PG(ESUCRL RPSS)-2	67.9	ACSS TEAL	11.07.2025	
	9	ESUCRL	220KV ESUCRL_SL_BHD_PG(ESUCRL MSS)-Bhadla(PG)-1	0.7	ACSS TEAL	13.07.2025	
	10	ESUCRL	220KV ESUCRL_SL_BHD_PG(ESUCRL MSS)-ESUCRL_SL_BHD_PG(ESUCRL RPSS)-1	67.9	ACSS TEAL	13.07.2025	
ER	11	PGCIL ER-II	400KV-ALIPURDUAR (PG)-PUNASANGCHUN-2(Direct Link)	145.5	Indian Portion (Quad Moose-64 kms) +Bhutan Portion (Twin Moose-81.50 kms )	03.07.2025	
					621.5		
ANTI-THEFT CHARGING OF NEW TRANSMISSION LINES							
REGION	S.NO.	Agency/Owner	Line Name	Length (KM)	Conductor Type	DATE	
		Nil					
LILO/RE-ARRANGEMENT OF EXISTING TRANSMISSION LINES							
REGION	S.NO.	Agency/Owner	Line Name/LLO at	Length (KM)	Conductor Type	DATE	
WR	1	CSPTCL	400 kV Korba West - Dhardehi (LLO of 400 kV Korba West - Bhilai at Dhardehi)	135.234	AAAC Moose 95'C	26.07.2025	
	2	CSPTCL	400 kV Dhardehi - Bhilai (LLO of 400 kV Korba West - Bhilai at Dhardehi)	102.234	AAAC Moose 95'C	26.07.2025	
ER	3	PGCIL Odisha project	Reconductoring of 400 KV Sundargarh-Rourkela Circuit-2 using Twin HTLS conductor	144.3	Twin HTLS	31.07.2025	
	4	PGCIL ERTS-II	132 kV Rangit-Melli Line (Bypassing Rangoon SS through Isolator/GIS Bus Duct arrangement)	70.6	Single Panther	21.07.2025	
REGION	S.NO.	Agency/Owner	Element Name	Voltage Level (kV)	Rating (MVar)	DATE	
WR	1	POWERGRID Khavda RE Transmission Limited	330 MVAR, Line reactor of 765KV Banaskantha Ahmedabad 1 at Ahmedabad	765	330	03.07.2025	
	2	POWERGRID Khavda RE Transmission Limited	330 MVAR, Line reactor of 765KV Banaskantha Ahmedabad 2 at Ahmedabad	765	330	02.07.2025	
	3	POWERGRID KPS3 Transmission Limited	125 MVAR, Bus reactor at KPS3	400	125	11.07.2025	
	4	POWERGRID, WRTS-2	63 MVAR, Line reactor of 400 kV New Navsari-Kala-1 at New Navsari end	400	63	11.07.2025	
	5	POWERGRID Khavda RE Transmission Limited	330 MVAR, Bus reactor at Ahmedabad	765	330	02.07.2025	
SR	6	Powergrid	240 MVAR, Line Reactor of 765KV Kurnool-III-Maheshwaram Line-1 at Kurnool-III	765	240	03.07.2025	
	7	Powergrid	240 MVAR, Line Reactor of 765KV Kurnool-III-Maheshwaram Line-2 at Kurnool-III	765	240	03.07.2025	
						Total (MVar)	1658
REGION	S.NO.	Agency/Owner	Element Name	SUB-STATION	Voltage Level (kV)	DATE	
		Nil					

## 22. Voltage Profile

विद्युत विभाव रूपरेखा माह - जुलाई 2025

VOLTAGE PROFILE - July 2025

क्र. सि. No.	सेव REGION	उपर्केंद्र SUBSTATION	VOLTAGE < V(lower)* (V=380,728 kV)	V(lower) < VOLTAGE < V(upper)*	VOLTAGE > V(upper)* (V=420,800 kV)	Voltage Deviation Index (%age of time voltage is outside range)	Number of hours voltage was outside IEGC band during month	उच्चतम (कि.वा.) Maximum(kV)	निम्नतम(कि.वा.) Minimum(kV)	औसत (कि.वा.) Average(kV)
1	पूर्वी क्षेत्र ER	अंगुल ANGUL	0%	100%	0%	0%	0	791	744	771
2		दालोनी DARLIPALI	0%	100%	0%	0%	0	785	762	773
3		गया GAYA	0%	100%	0%	0%	0	790	743	770
4		जीरात JEEART	0%	100%	0%	0%	0	794	737	761
5		झारसुगड़ा JHARSUGUDA	0%	100%	0%	0%	0	794	766	781
6		मेडिनपुर MEDINIPUR	0%	100%	0%	0%	0	797	743	767
7		रांची RANCHI	0%	100%	0%	0%	0	791	756	777
8		सासाराम SASARAM	0%	100%	0%	0%	0	793	742	768
1	उत्तरी क्षेत्र NR	आगरा AGRA	0%	100%	0%	0%	0	802	744	781
2		आगरा (फटेहबाद) AGRA (FATEHABAD)	0%	100%	0%	0%	0	798	747	775
3		अजमेर AJMER	0%	97%	3%	3%	20	808	752	789
4		अलीगढ़ ALIGARH	0%	100%	0%	0%	0	797	728	776
5		अनंपरा सी ANPARA-C	0%	100%	0%	0%	0	782	754	768
6		अनंपरा डी ANPARA-D	0%	100%	0%	0%	0	780	752	765
7		अंता ANTA	0%	100%	0%	0%	0	797	768	784
8		बालिगा BALLIA	0%	100%	0%	0%	0	798	737	770
9		बारा BARA	0%	100%	0%	0%	0	791	758	774
10		भाइला BHADLA	0%	100%	0%	0%	1	805	748	786
11		भाइला-2 BHADLA-2	0%	100%	0%	0%	1	803	719	784
12		भिवानी BIHWANI	0%	100%	0%	0%	0	799	749	781
13		बिकानेर BIKANER	0%	100%	0%	0%	2	804	745	786
14		बिलो BAREILLY	0%	100%	0%	0%	2	803	739	775
15		चित्तोड़ CHITTORGARH	0%	97%	3%	3%	22	808	763	788
16		फतेहपुर-2 FATEHgarh-2	0%	100%	0%	0%	0	797	703	780
17		फतेहपुर FATEHPUR	0%	100%	0%	0%	0	799	738	774
18		घाटापुर GHATAMPUR	0%	100%	0%	0%	0	791	729	767
19		ग्रेटर नोइडा GREATER NOIDA	0%	100%	0%	0%	3	802	750	779
20		हायपर HAPUR	0%	100%	0%	0%	2	802	742	772
21		जयपुरर JAWAHARPUR	0%	100%	0%	0%	1	802	743	762
22		ज्ञातिकर्ण JHATIKARA	0%	100%	0%	0%	0	801	731	776
23		कानपुर ज़ोड़ीसेल KANPUR GIS	0%	100%	0%	0%	0	798	737	773
24	पश्चिमी क्षेत्र WR	खेतर KHETRI	0%	94%	6%	6%	44	805	744	785
25		कोटेश्वर KOTESHWAR	0%	100%	0%	0%	1	809	730	769
26		लालितपुर LALITPUR	0%	100%	0%	0%	0	782	743	759
27		लखनऊ LUCKNOW	0%	100%	0%	0%	0	802	733	773
28		मैनपुर MAINPURI	0%	100%	0%	0%	0	798	736	768
29		मेरठ MEERUT	0%	100%	0%	0%	1	805	736	778
30		मेरठ(UP) MEERUT (UP)	0%	100%	0%	0%	2	801	743	773
31		मोगा MOGA	0%	100%	0%	0%	3	805	733	784
32		ओबरा सी OBRA C	0%	100%	0%	0%	0	777	746	761
33		उड़ी ORAI	0%	99%	1%	1%	8	810	743	783
34		फागी PHAGI	0%	100%	0%	0%	1	805	749	785
35		रामपुर RAMPUR	0%	99%	1%	1%	5	806	736	777
36		उन्नाव UNNAO	0%	100%	0%	0%	0	790	729	761
37		वाराणसी VARANASI	0%	100%	0%	0%	0	798	748	776
1	पश्चिमी क्षेत्र WR	अकोला AKOLA	0%	100%	0%	0%	0	794	753	774
2		आंसराबाद AURANGABAD	0%	100%	0%	0%	0	800	745	776
3		भोपाल (बीटीसीएल) BHOPAL (BDTCL)	0%	100%	0%	0%	0	794	746	771
4		भुज BHUJ	0%	100%	0%	0%	0	792	750	778
5		भुज-2 BHUJ-II	0%	100%	0%	0%	0	785	743	773
6		बिलासपुर BILASPUR	0%	100%	0%	0%	0	787	751	767
7		बीना BINNA	0%	100%	0%	0%	2	808	747	781
8		बानसकंठ BANASKANTHA	0%	97%	3%	3%	21	806	759	788
9		चांपा CHAMPA	0%	98%	2%	2%	14	807	762	784
10		धुले (बीटीसीएल) DHULE (BDTCL)	0%	100%	0%	0%	0	796	744	777
11		धारामगढ़ धारामगढ़ DHARAMJAIGARH	0%	100%	0%	0%	0	781	750	764
12		रायपुर रोल रायपुर RAIPUR POOLING	0%	100%	0%	0%	0	795	758	780
13		एकटीनी EKTUNI	0%	100%	0%	0%	0	795	748	772
14		गदरावा GADARWARA	0%	98%	2%	2%	14	809	763	787
15		ग्वालियर GWALIOR	0%	100%	0%	0%	3	806	743	782
16		इंदौर INDORE	0%	100%	0%	0%	0	792	741	773
17		जबलपुर JABALPUR	0%	98%	2%	2%	18	812	757	787
18		खट्टरा KHANDWA	0%	100%	0%	0%	0	794	743	775
19		कोराडी KORADI	0%	100%	0%	0%	0	783	753	768
20		लकड़ीया LAKADIYA	0%	100%	0%	0%	3	801	756	786
21		रायपुर पोलिंग RAIGARH POOLING	0%	100%	0%	0%	0	795	765	779
22		पट्टिंग PADGHE	0%	100%	0%	0%	0	802	749	776
23		पर्ली PARLI	0%	99%	1%	1%	7	808	753	785
24		पुणे PUNE	0%	100%	0%	0%	1	807	753	780
25		राजनन्दगांव RAJNANDGAON	0%	99%	1%	1%	7	807	759	786
26		सासान SASAN	0%	100%	0%	0%	0	797	759	780
27	दक्षिणी क्षेत्र SR	सतना SATNA	0%	98%	2%	2%	12	810	756	785
28		सिंधीरी SEONI	0%	100%	0%	0%	1	805	757	781
29		सिपात SIPAT	0%	100%	0%	0%	0	786	755	768
30		सोलापुर SOLAPUR	0%	99%	1%	1%	4	806	757	783
31		तिरोड़ा TIRORA	0%	100%	0%	0%	0	779	754	766
32		तामिन तामिन TAMINAR	0%	100%	0%	0%	0	795	765	779
33		वाडोदारा VADODARA	0%	99%	1%	1%	4	803	741	784
34		विन्ध्याचल वार्ड विन्ध्याचल VINDHYACHAL PS	0%	100%	0%	0%	0	801	760	783
35		वार्डी WARDHA	0%	99%	1%	1%	5	806	749	784
36		वारोडा WARORA	0%	100%	0%	0%	3	804	746	785
1	पूर्वी क्षेत्र NER	आरियलर ARIALUR	0%	99%	1%	1%	7	815	750	780
2		कुडापा CUDDAPAH	0%	97%	3%	3%	19	807	752	784
3		चिलाकलुर CHILAKALURIPETA	0%	100%	0%	0%	0	800	747	780
4		कुर्नूल KURNOOL	0%	100%	0%	0%	1	801	742	773
5		गोदाराम MAHESWARAM	0%	98%	2%	2%	13	810	745	783
6		निजामाबाद NIZAMABAD	0%	96%	4%	4%	31	808	745	788
7		नेल्लोर नेल्लोर NELLORE PS	0%	100%	0%	0%	0	794	745	771
8		नोर्थ चेन्ऩई नोर्थ चेन्ऩई NORTH CHENNAI PS	0%	97%	3%	3%	21	820	754	782
9		रायचुर रायचुर RAICHUR	0%	99%	1%	1%	6	806	742	777
10		स्रीकाकुलम SRIKAKULAM	0%	100%	0%	0%	2	805	745	781
11		तिरुवृत्तम तिरुवृत्तम THIRUVALLAM	0%	100%	0%	0%	1	804	745	779
12		वेमागिरी VEMAGIRI	0%	98%	2%	2%	18	803	752	787
13		वारंगल WARANGAL	0%	98%	2%	2%	13	809	747	786
1	पश्चिमी क्षेत्र NER	बालिपारा BALIPARA (400 kV)	0%	100%	0%	0%	0	415	396	404
2		बिस्वानाथ बिस्वानाथ बिस्वानाथ चारिली BISWANATH CHARIALI (400 kV)	0%	100%	0%	0%	0	415	392	402
3		बोंगागाँव BONGAIGAON (400 kV)	0%	100%	0%	0%	0	416	397	405
4		बोंगागाँव टोपीगाँव BONGAIGAON TPS (400 kV)	0%	100%	0%	0%	0	417	398	407
5		इम्फ़ाल IMPHAL (400 kV)	0%	100%	0%	0%	0	415	393	403
6		बानियाल BYRNTHAT (400 kV)	0%	100%	0%	0%	0	418	391	406
7		कामेन KAMENI (400 kV)	0%	100%	0%	0%	0	416	398	404
8		अजारा AZARA (400 kV)	0%	100%	0%	0%	0	411	398	404
9		मिसा MISA (400 kV)	0%	100%	0%	0%	0	414	393	402
10		नई कोहिमा NEW KOHIMA (400 kV)	0%	100%	0%	0%	0	419	392	404
11		पालताना PALATANA (400 kV)	0%	100%	0%	0%	0	417	391	404
12		पुकार पकारी PK BARI (400 kV)	0%	100%	0%	0%	0	415	393	403
13		रांगनाड़ी RANGANADI (400 kV)	0%	100%	0%	0%	0	417	395	405
14		सिल्वर सिल्वर SILCHAR (400 kV)	0%	100%	0%	0%	0	417	395	406
15		सुरजमानिनगर SURJYAMANINAGAR (400 kV)	0%	100%	0%	0%	0	413	394	401
16		थोबल THOUBL (400 kV)	0%	100%	0%	0%	0	413	391	401
17		योवारल YOVARAL (400 kV)	0%	100%	0%	0%	0	413	391	401

All listed stations are 765 kV stations unless otherwise mentioned

\*Percentage is calculated w.r.t.

### **23. ALL TIME HIGHEST**

31-07-2025

	Maximum Demand Met during the day (MW)	Demand Met during Evening Peak hrs(MW)	Energy Met (MU)	Hydro Gen. (MU)	Wind Gen. (MU)	Solar Gen. (MU)
<b>NR</b>	91215 19-06-2024	84151 14-06-2025	2023 12-06-2025	443 01-08-2023	86 07-08-2023	228 22-04-2025
<b>WR</b>	80000 08-02-2025	71713 24-04-2025	1742 25-04-2025	167 18-12-2014	319 29-07-2025	160.2 24-04-2025
<b>SR</b>	69942 21-03-2025	55925 28-03-2025	1458 28-03-2025	208 31-08-2018	342 26-07-2025	155.5 06-03-2025
<b>ER</b>	33452 23-07-2025	31508 22-07-2025	704 23-07-2025	157 14-09-2022	-	4.76 02-05-2025
<b>NER</b>	4101 23-07-2025	4065 23-07-2025	82 24-07-2025	43 27-06-2024	-	2.4 22-06-2022
<b>All India</b>	250070 30-05-2024	232191 09-06-2025	5466 30-05-2024	877 30-08-2022	673 29-07-2025	534 23-04-2025
<b>Regions</b>	<b>States</b>	Max. Demand Met during the day (MW)		Energy Consumption (MU)		
			As on date			As on date
<b>NR</b>	Punjab	17171	05-07-2025	366.8	21-07-2024	
	Haryana	14524	31-07-2024	293.4	19-06-2024	
	Rajasthan	18985	12-02-2025	388.0	11-06-2025	
	Delhi	8568	18-06-2024	177.7	18-06-2024	
	UP	30632	11-06-2025	658.8	17-06-2024	
	Uttarakhand	2910	11-06-2025	62.4	12-06-2025	
	HP	2273	17-01-2025	42.6	11-06-2025	
	J&K(UT) and Ladakh(UT)	3200	07-01-2025	70.3	04-02-2025	
	Chandigarh	460	12-06-2025	9.3	12-06-2025	
<b>WR</b>	Railways NR ISTS	-	-	-	-	-
	Chhattisgarh	6798	25-04-2025	153.3	25-04-2025	
	Gujarat	26457	14-06-2025	529.8	13-06-2025	
	MP	18888	20-12-2024	353.8	14-02-2025	
	Maharashtra	30675	13-03-2025	689.0	24-04-2025	
	Goa	864	14-05-2025	18.4	06-05-2025	
	DD & DNH	1411	22-07-2025	32.7	18-07-2025	
	AMNSIL	1083	10-01-2024	21.0	31-05-2022	
<b>SR</b>	Balco	-	-	-	-	-
	Andhra Pradesh*	13712	04-05-2024	263.8	16-06-2023	
	Telangana*	17162	20-03-2025	339.2	18-03-2025	
	Karnataka	18395	07-03-2025	359.2	19-03-2025	
	Kerala	5797	02-05-2024	116.1	03-05-2024	
	Tamil Nadu	20830	02-05-2024	443.6	30-04-2024	
<b>ER</b>	Pondy	548	14-07-2025	11.8	31-05-2024	
	Bihar	8752	23-07-2025	186.8	24-07-2025	
	DVC	3674	14-06-2024	81.2	22-04-2022	
	Jharkhand	2406	13-06-2025	52.5	14-06-2025	
	Odisha	7055	02-06-2025	148.5	19-04-2024	
	West Bengal	13108	14-06-2025	268.2	14-06-2025	
	Sikkim	137	11-01-2024	2.5	28-01-2020	
<b>NER</b>	Railways ER ISTS	-	-	-	-	-
	Arunachal Pradesh	223	30-07-2025	4.3	23-07-2025	
	Assam	2802	24-07-2025	57.8	24-07-2025	
	Manipur	269	28-12-2024	4.2	10-01-2025	
	Meghalaya	405	29-01-2024	7.8	31-01-2022	
	Mizoram	168	29-01-2025	3.0	10-06-2025	
	Nagaland	204	24-07-2025	4.0	18-07-2025	
<b>*SR</b>	Tripura	386	04-05-2024	7.4	22-07-2025	
	Andhra Pradesh (Undivided)	13162	23-03-2014	284.8	22-03-2014	

## 24. System Reliability Indices Report for the month of Jul 2025

### Percentage (%) of times ATC was violated

S.No.	Corridor	Number of Blocks Violated	Number of Hours Violated	%Violation
1	WR-NR	4	1.00	0.16
2	ER-NR	7	1.75	0.28
3	Import of NR	23	5.75	0.92
4	NEW-SR	0	0.00	0.00
5	NER Import	0	0.00	0.00

### Percentage(%) of times (N-1) Criteria was violated

S.No.	Corridor	Number of Blocks Violated	Number of Hours Violated	%Violation
1	WR-NR	0	0.00	0.00
2	ER-NR	2	0.50	0.08
3	Import of NR	5	1.25	0.20
4	NEW-SR	0	0.00	0.00
4	NER Import	0	0.00	0.00

Remarks: Flows crossing Total Transfer Capability (TTC) on interregional corridors has been worked out as a proxy for (N-1) violation.