



National Load Despatch Centre
POWER SYSTEM OPERATION CORPORATION LIMITED
(A Government of India Enterprise)
CIN No.: U40105DL2009GOI188682

B-9, QUTUB INSTITUTIONAL AREA, KATWARIA SARAI, NEW DELHI -110016

Ref: POSOCO/NLDC/SO/Weekly Report

Date: 22nd May 2020

To,

1. कार्यपालक निदेशक, पू. क्षे. भा. प्रे. के., 14, गोल्फ क्लब रोड, कोलकाता - 700033
Executive Director, ERLDC, 14 Golf Club Road, Tolleygunge, Kolkata, 700033
2. कार्यपालक निदेशक, ऊ. क्षे. भा. प्रे. के., 18/ ए, शहीद जीत सिंह सनसनवाल मार्ग, नई दिल्ली - 110016
Executive Director, NRLDC, 18-A, Shaheed Jeet Singh Marg, Katwaria Sarai, New Delhi - 110016
3. कार्यपालक निदेशक, प. क्षे. भा. प्रे. के., एफ-3, एम आई डी सी क्षेत्र, अंधेरी, मुंबई - 400093
Executive Director, WRLDC, F-3, M.I.D.C. Area, Marol, Andheri (East), Mumbai-400093
4. कार्यपालक निदेशक, ऊ. पू. क्षे. भा. प्रे. के., डोंगतेह, लोअर नोंग्रह, लापलंग, शिलोंग - 793006
Executive Director, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
5. कार्यपालक निदेशक, द. क्षे. भा. प्रे. के., 29, रेस कोर्स क्रॉस रोड, बंगलुरु - 560009
Executive Director, SRLDC, 29, Race Course Cross Road, Bangalore-560009

Sub: Weekly Status Report 10th May-2020 to 16th May-2020.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, 10 मई-2020 से 16 मई-2020, सप्ताह की अखिल भारतीय प्रणाली की ग्रिड निष्पादन रिपोर्ट रा०भा०प्रे०के० की वेबसाइट पर निम्न लिंक पर उपलब्ध है :-

As per article 5.5.1 of the Indian Electricity Grid Code, the weekly status report pertaining power supply position report of All India Power System for the week 10thMay-2020 to 16thMay-2020 is available at the NLDC website.

Thanking You.

Yours faithfully,

CGM (SO) 22/5

पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड

राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली

साप्ताहिक रिपोर्ट (10 मई 2020 से 16 मई 2020 तक)

रिपोर्टिंग तिथि:-

22-May-20

(आई० ई० जी० सी० की धारा संख्या-5.5.1 के अंतर्गत)

1. अधिकतम मांग आपूर्ति और अधिकतम कमी (मे०वा०)

दिनांक	उत्तरी क्षेत्र		पश्चिमी क्षेत्र		दक्षिणी क्षेत्र		पूर्वी क्षेत्र		पूर्वोत्तर क्षेत्र		कुल	
	अधिकतम मांग आपूर्ति (मे०वा०)	आधिकतम कमी (मे०वा०)	अधिकतम मांग आपूर्ति (मे०वा०)	आधिकतम कमी (मे०वा०)	अधिकतम मांग आपूर्ति (मे०वा०)	आधिकतम कमी (मे०वा०)	अधिकतम मांग आपूर्ति (मे०वा०)	आधिकतम कमी (मे०वा०)	अधिकतम मांग आपूर्ति (मे०वा०)	आधिकतम कमी (मे०वा०)	अधिकतम मांग आपूर्ति (मे०वा०)	आधिकतम कमी (मे०वा०)
10-05-2020	31228	556	36018		35290		15310		2535	33	120381	589
11-05-2020	38373	495	40647		36314		18684		2566	54	136584	549
12-05-2020	40666	1262	40993		36456		18507		2494	96	139116	1358
13-05-2020	41215	536	39066		37180		18614		2185	309	138260	845
14-05-2020	37734	338	39963		36998		18543		2332	119	135570	457
15-05-2020	43103	547	40297		37132		18927		2416	91	141875	638
16-05-2020	43861	1085	40948		36537		18516		2317	154	142179	1239

2. ऊर्जा आपूर्ति और पनबिजली उत्पादन (मि०यू०)

क्षेत्र / तिथि	उत्तरी क्षेत्र		पश्चिमी क्षेत्र		दक्षिणी क्षेत्र		पूर्वी क्षेत्र		पूर्वोत्तर क्षेत्र		कुल	
	ऊर्जा आपूर्ति (मि०यू०)	पनबिजली उत्पादन (मि०यू०)	ऊर्जा आपूर्ति (मि०यू०)	पनबिजली उत्पादन (मि०यू०)	ऊर्जा आपूर्ति (मि०यू०)	पनबिजली उत्पादन (मि०यू०)	ऊर्जा आपूर्ति (मि०यू०)	पनबिजली उत्पादन (मि०यू०)	ऊर्जा आपूर्ति (मि०यू०)	पनबिजली उत्पादन (मि०यू०)	ऊर्जा आपूर्ति (मि०यू०)	पनबिजली उत्पादन (मि०यू०)
10-05-2020	815	240	981	45	873	73	359	66	44	5	3071	428
11-05-2020	803	245	980	38	907	79	331	66	44	5	3065	432
12-05-2020	876	251	1034	58	911	81	382	67	45	5	3248	462
13-05-2020	931	256	1030	49	922	82	392	67	39	6	3313	461
14-05-2020	929	263	1030	42	927	85	395	63	39	11	3320	465
15-05-2020	971	273	1030	33	931	68	401	68	39	7	3373	449
16-05-2020	1008	277	1031	35	917	80	415	79	39	10	3409	482

3. आवृत्ति (प्रतिशत समय में)

तिथि	49.8-49.9	<49.9	49.9-50.05	>50.05	Average	FVI
	ऑ० इ० ग्रिड	ऑ० इ० ग्रिड	ऑ० इ० ग्रिड	ऑ० इ० ग्रिड	ऑ० इ० ग्रिड	ऑ० इ० ग्रिड
10-05-2020	2.05	2.66	65.75	31.59	50.03	0.048
11-05-2020	3.30	3.30	72.35	24.35	50.01	0.031
12-05-2020	6.46	6.83	75.42	17.75	50.00	0.038
13-05-2020	1.49	1.49	80.06	18.45	50.01	0.022
14-05-2020	1.62	1.62	74.84	23.54	50.02	0.028
15-05-2020	4.41	4.61	77.71	17.69	50.00	0.030
16-05-2020	1.50	1.50	82.49	16.01	50.01	0.021

*NEW & SR grid running in synchronisation.

4. NEW ELEMENTS COMMISSIONED

5. Maximum Demand Met during the day & Peak Hour Shortage in States (in MW)

Region	Date	10-05-2020		11-05-2020		12-05-2020		13-05-2020		14-05-2020		15-05-2020		16-05-2020	
	States	Max. Demand Met during the day	Peak hr Shortage	Max. Demand Met during the day	Peak hr Shortage	Max. Demand Met during the day	Peak hr Shortage	Max. Demand Met during the day	Peak hr Shortage	Max. Demand Met during the day	Peak hr Shortage	03-01-2020	Peak hr Shortage	Max. Demand Met during the day	Peak hr Shortage
NR	Punjab	5278	0	5477	0	5608	0	5786	0	5804	0	5835	0	6114	0
	Haryana	5851	0	5589	0	5728	300	5778	70	5549	0	6086	0	6305	0
	Rajasthan	10471	0	9989	0	9744	0	9603	0	10203	0	10403	0	10525	0
	Delhi	4029	0	3558	0	3747	0	3702	0	3648	0	3667	0	3848	0
	UP	15591	0	14496	0	15474	680	15988	0	16523	0	17731	610	18278	310
	Uttarakhand	1221	0	1177	0	1279	0	1411	0	1348	0	1372	0	1462	0
	HP	841	0	1070	0	1098	0	1137	0	1100	0	1168	0	1160	0
	J&K	2226	556	1996	499	2134	534	2189	547	2044	361	2189	547	2132	533
	Chandigarh	150	0	156	0	153	0	158	0	158	0	164	0	166	0
WR	Chhattisgarh	3027	0	3284	0	3230	0	3355	0	3406	0	3360	0	3314	0
	Gujarat	13813	0	14064	0	14088	0	13926	0	14107	0	14125	0	14247	0
	MP	8847	0	8718	0	8937	0	8830	0	9110	0	9007	0	9105	0
	Maharashtra	18795	0	18559	0	19518	0	19371	0	19540	0	18793	0	18534	0
	Goa	442	0	497	0	469	0	475	0	482	0	484	0	460	0
	DD	164	0	188	0	192	0	197	0	181	0	193	0	196	0
	DNH	325	0	351	0	348	0	347	0	348	0	334	0	339	0
	Essar steel	555	0	606	0	558	0	567	0	596	0	653	0	769	0
SR	Andhra Pradesh	8750	0	9100	0	8890	0	9075	0	8620	0	9071	0	9506	0
	Telangana	6080	0	6626	0	6731	0	7071	0	7253	0	7403	0	7258	0
	Karnataka	9768	0	10048	0	10277	0	10751	0	10895	0	10999	0	10423	0
	Kerala	3408	0	3455	0	3443	0	3450	0	3443	0	3266	0	3570	0
	Tamil Nadu	12538	0	13387	0	12728	0	13073	0	13350	0	13419	0	13159	0
	Pondy	361	0	372	0	331	0	359	0	369	0	360	0	348	0
ER	Bihar	4975	0	4634	0	5132	0	5192	0	5071	0	5243	0	5086	0
	DVC	2167	0	2246	0	2263	0	2350	0	2270	0	2389	0	2423	0
	Jharkhand	1085	0	1226	0	1267	0	1291	0	1186	0	1399	0	1339	0
	Odisha	3628	0	3830	0	3871	0	3843	0	3923	0	3811	0	3812	0
	West Bengal	6830	0	7237	0	6713	0	6733	0	6681	0	7196	0	7045	0
	Sikkim	83	0	103	0	93	0	105	0	98	0	96	0	75	0
NER	Arunachal Pradesh	104	2	101	2	103	1	100	11	92	1	109	2	106	0
	Assam	1568	20	1562	45	1507	75	1261	250	1390	102	1498	52	1353	127
	Manipur	171	2	174	1	173	2	154	8	153	1	186	3	181	2
	Meghalaya	276	0	295	0	292	3	272	5	303	0	309	0	323	0
	Mizoram	93	1	93	2	89	1	91	5	89	1	95	1	98	1
	Nagaland	107	2	116	2	141	3	143	4	118	1	121	2	118	3
	Tripura	274	2	290	0	287	9	253	8	278	3	238	0	259	2

6. Energy Consumption in States (MUs)

Region	States	10-05-2020	11-05-2020	12-05-2020	13-05-2020	14-05-2020	15-05-2020	16-05-2020
NR	Punjab	110.1	116.2	114.1	123.5	115.0	121.2	129.8
	Haryana	101.3	110.5	115.6	121.8	113.6	120.4	128.5
	Rajasthan	205.2	204.7	203.2	203.5	215.1	219.7	225.2
	Delhi	69.4	67.7	71.8	73.1	72.2	72.0	73.3
	UP	251.6	217.0	278.0	312.5	322.0	339.7	350.6
	Uttarakhand	21.4	23.5	26.8	28.6	28.9	30.1	30.5
	HP	16.5	20.1	21.0	21.4	20.7	21.9	22.4
	J&K	36.1	40.4	42.3	43.2	38.3	43.2	43.8
	Chandigarh	3.0	3.2	3.3	3.4	3.3	3.4	3.5
WR	Chhattisgarh	69.2	72.9	75.4	75.0	78.7	79.4	76.5
	Gujarat	299.7	305.2	305.5	301.9	303.4	306.3	306.5
	MP	180.1	173.9	192.6	196.0	202.0	202.9	205.5
	Maharashtra	407.7	392.5	425.7	421.3	411.2	405.5	405.1
	Goa	9.5	10.6	10.1	9.9	9.8	10.0	8.9
	DD	3.7	4.0	4.2	4.3	4.0	4.2	4.3
	DNH	7.5	7.8	8.0	7.9	7.8	7.5	7.6
	Essar steel	3.6	12.8	12.5	13.2	13.4	13.9	16.2
SR	Andhra Pradesh	175.6	180.6	178.7	180.5	174.5	181.9	185.5
	Telangana	139.9	142.8	147.5	150.8	154.9	156.8	152.8
	Karnataka	192.6	199.4	208.4	214.7	214.5	209.5	204.1
	Kerala	68.6	72.5	72.2	72.7	73.2	71.9	71.2
	Tamil Nadu	289.3	303.8	296.7	296.1	302.7	303.5	296.5
	Pondy	7.1	7.7	7.0	7.2	7.3	7.6	7.4
ER	Bihar	87.5	68.2	91.4	97.8	97.1	100.6	101.9
	DVC	43.7	44.5	48.0	48.7	48.7	49.7	53.0
	Jharkhand	20.5	20.3	22.6	23.6	22.3	23.2	25.9
	Odisha	74.9	76.9	80.4	80.4	81.9	81.2	81.3
	West Bengal	131.3	120.0	138.7	140.3	143.5	145.2	151.7
	Sikkim	1.1	1.3	1.3	1.4	1.3	1.2	0.9
NER	Arunachal Pradesh	1.8	1.9	1.9	2.0	2.2	2.0	1.9
	Assam	26.5	27.1	27.5	21.6	21.5	22.2	22.1
	Manipur	2.3	2.4	2.5	2.5	2.4	2.3	2.2
	Meghalaya	4.7	4.7	4.9	4.7	4.7	5.1	5.1
	Mizoram	1.7	1.7	1.6	1.5	1.7	1.6	1.5
	Nagaland	2.2	2.3	2.1	2.1	2.2	2.1	2.4
	Tripura	4.7	4.2	4.5	4.6	4.1	4.2	4.2
ALL INDIA TOTAL		3071.4	3064.8	3248.0	3313.4	3320.0	3373.0	3409.3

पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड
राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली

साप्ताहिक रिपोर्ट (10 मई 2020 से 16 मई 2020 तक)

(आई० ई० जी० सी० की धारा संख्या-5.5.1 के अंतर्गत)

7. अंतर्क्षेत्रीय विनिमय [प्रथम क्षेत्र से द्वितीय क्षेत्र को आयात (+) / निर्यात (-)]

दिनांक	10-05-2020	11-05-2020	12-05-2020	13-05-2020	14-05-2020	15-05-2020	16-05-2020
East to North	-38.3	-45.2	-54.3	-54.5	-43.6	-46.6	-54.7
East to West	41.9	49.0	44.1	45.9	42.1	53.6	46.3
East to South	-120.2	-128.3	-121.2	-125.2	-121.7	-120.3	-118.7
East to North-East	7.2	6.6	-3.7	-8.8	-6.0	-11.3	-7.6
North-East to North	11.5	11.5	1.4	-8.3	-7.1	-9.8	-9.6
West to North	-110.3	-118.6	-153.0	-147.1	-129.7	-142.5	-154.4
West to South	-106.0	-103.3	-86.7	-95.1	-96.2	-97.7	-93.2

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

साप्ताहिक रिपोर्ट (10 मई 2020 से 16 मई 2020 तक)

दिनांक Date	भूटान BHUTAN		नेपाल NEPAL			बांग्लादेश BANGLADESH		
	Energy Exchange	Day Average (MW)	Energy Exchange	Day Peak (MW)	Day Average (MW)	Energy Exchange	Day Peak (MW)	Day Average (MW)
10-05-2020	13.7	570	-0.7	-133	-27	-21.0	-1135	-873
11-05-2020	13.6	567	-1.1	-197	-47	-21.0	-1131	-876
12-05-2020	13.5	564	-3.1	-250	-130	-22.4	-1118	-933
13-05-2020	12.5	521	-1.8	-223	-76	-22.6	-1108	-941
14-05-2020	12.7	527	-1.4	-201	-59	-21.9	-1104	-912
15-05-2020	18.1	756	-0.6	-145	-26	-25.0	-1109	-1042
16-05-2020	23.9	997	-0.4	-95	-16	-25.7	-1142	-1073
कुल Total	108.1		-9.1			-159.6		

8). Major Grid Incidences (Provisional):-

S.No.	Region	Name of Elements (Tripped/Manually opened)	Owner / Agency	Outage		Revival		Outage Duration	Event (As reported)	Generation Loss(MW)	Load Loss(MW)	Category as per CEA Grid Standards
				Date	Time	Date	Time					
1	ER	220 KV Gaya-Sonenagar -I 220 KV Gaya-Sonenagar -II	BSPHCL	10-May-20	22:50	10-May-20	23:00	00:10	At 22:50 Hrs, 220 KV Gaya-Sonenagar -II tripped on R-N fault and ckt-1 also tripped at the same time, leading to load loss of 130MW in Aurangabad, Sonenagar, Rafiganj, Japla. Traction load (15MW) loss at Japla, Garwah and Rafiganj.	Nil	130	GD-1
2	ER	132 KV Siliguri-Kurseong	WBSETCL	10-May-20	15:54	10-May-20	16:44	00:50	At 15:54 Hrs, 132 KV Siliguri-Kurseong tripped due to Y_N fault, leading to a load loss of 7 MW at Kurseong (other line 132 KV Rangit-Kurseong was under shutdown). Kurseong load immediately shifted to Darjeeling source.	Nil	7	GD-1
3	SR	400KV/220KV VEMAGIRI_AP-ICT-1 400KV/220KV VEMAGIRI_AP-ICT-2 400KV/220KV VEMAGIRI_AP-ICT-3 220KV Vemagiri-Bommuru-1 220KV Vemagiri-Bommuru-2 220KV Vemagiri-Bommuru-3 220KV Vemagiri-Samarlakota-1 220KV Vemagiri-Samarlakota-2 220KV Vemagiri-Bheemavaram-1 220KV Vemagiri-Bheemavaram-1 220KV Vemagiri-Vijeshwaram	ANDHRA PRADESH	14-May-20	00:40	14-May-20	04:10	03:30	400/220KV ICT-1, 2 and 3 and 220kV lines got tripped at 400kv Vemagiri substation due to fire in cable trench in 220KV switchyard. Loss of supply occurred to 220kV Vemagiri substation. As per verbal information from AP SLDC, 100MW load shedding was done after the incident	Nil	100	GD-1
4	ER	220 KV Ranchi-Hatia I,II and III 220/132KV,150 MVA ICT-1,2 and 3 220 KV Patratu-Hatia II	JSEB	14-May-20	15:33	14-May-20	16:08	00:35	At 15:33, 220 KV Ranchi-Hatia T/C tripped (only from Hatia end) and 220 KV Patratu-Hatia d/c tripped alongwith 220/132KV, 150MVA ICT-1, 2 and 3 leading to total power interruption at 220 KV Hatia s/s resulting load loss of 161 MW in the areas mentioned above while no generation loss occurred as Tenughat both the units survived through 220KV BiharSariff-Tenughat and 220KV Tenughat –Patratu line.	Nil	180	GD-1
5	ER	220 KV Muzaffarpur-Dhalkebar I 220 KV Muzaffarpur-Dhalkebar II	BSPTCL /PG	14-May-20	14:33	14-May-20	15:04	00:31	220KV Muzaffarpur-Dalkheber D/C tripped at 14:33 hrs on B ph direction earth fault. Nepal schedule was zero. Line restored at 15:04 hrs and 15:07 hrs respectively.	Nil	Nil	GI-I
6	SR	220 KV ALIPURA-RAGULAPADU 220 KV ALIPURA- BTPS	KARNATAKA	16-May-20	18:52	16-May-20	19:50	00:58	at 18:52 Hrs,Power suply failure occurred at ALIPURA station(s) of KARNATAKA due to R-ph to earth fault.mentioned line tripped and resulte din load loss of 70 MW.	Nil	70	GD-1
7	ER	400 KV JSPL-Meramundali I 400 KV JSPL-Meeramundali II JSP Unit-5 and Unit-6 (135 MW each)	Odisha	16-May-20	19:27	16-May-20	20:21	00:54	At 19:27 Hrs, 400 KV JSPL-Meramundali I tripped on DT received at Meeramundali. After one minute at 19:28 Hrs, 400 KV JSPL-Meeramundali II also tripped (DT received at Meeramundali). 400/220 KV JSPL S/s became dead. Inclement weather reported near JSPL U#5 and U#6 (135 MW each) with generation 230 MW and 160 MW captive smelter load also tripped. Flash Report Attached. Both lines charged at 20:21 Hrs	230	160	GD-1
8	WR	400 KV REL-Raipur-1 400 KV REL-Raipur-1 400 KV REL-Raipur - 2 400 KV REL-Raipur-2 400 KV REL BUS-1 400 KV REL BUS-2 400 KV REL BUS Reactor REL Unit-1 (685 MW) REL Unit-2 (685 MW) REL Station Transformer-1 REL Station Transformer-2	Raipur Enegen LTD	17-May-20	00:02	17-May-20	00:52	00:50	At 00:02 hrs./17.05.2020, 400 KV REL-Raipur-1 and 400 kv REL-Raipur # 2 tripped on R-E fault end resulting in tripping of REL Unit-1 and Unit-2 due to loss of all evacuation paths. Due to above tripping REL Station became dead and total generation loss of 1120 MW occurred.	1120	Nil	GD-1
9	NR	400 KV Bhadla(RS) – Bikaner(RS) 220kV Bhadla – Saurya Urja ckt 1 &2	Rajasthan	17-May-20	12:20	17-May-20	13:52	01:32	At 12:20 Hrs, 400 kv Bhadla(RS) – Bikaner(RS) tripped on R-B fault.220kv Bhadla – Saurya Urja ckt 1 &2 tripped due to low voltage(as reported by Saurya Urja). Generation loss of 800MW(approx.) as per SCADA data.	800(approx)	Nil	GD-1