



National Load Despatch Centre
राष्ट्रीय भार प्रेषण केंद्र
POWER SYSTEM OPERATION CORPORATION LIMITED
पावर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड
(Government of India Enterprise/ भारत सरकार का उद्यम)
B-9, QUTUB INSTITUTIONAL AREA, KATWARIA SARAI, NEW DELHI -110016
बी-9, कुतुब इन्स्टीट्यूशनल एरिया, कटवारिया सराये, न्यू दिल्ली-110016

Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 10th May 2020

To,

1. कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के., 14, गोल्फ क्लब रोड, कोलकाता - 700033
Executive Director, ERLDC, 14 Golf Club Road, Tollygunge, Kolkata, 700033
2. कार्यकारी 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. कार्यकारी निदेशक, प.क्षे.भा.प्रे.के., एफ3-, एम आई डी सी क्षेत्र, अंधेरी, मुंबई -400093
Executive Director, WRLDC, F-3, M.I.D.C. Area, Marol, Andheri (East), Mumbai-400093
4. कार्यकारी निदेशक, ऊ.पू.क्षे.भा.प्रे.के., डोंगतिह, लोअर नोंग्रह, लापलंग, शिलोंग - 793006
Executive Director, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
5. कार्यकारी निदेशक, द.क्षे.भा.प्रे.के., 29, रेस कोर्स क्रॉस रोड, बंगलुरु -560009
Executive Director, SRLDC, 29, Race Course Cross Road, Bangalore-560009

Sub: Daily PSP Report for the date 09.05.2020.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.5.5.1 के प्रावधान के अनुसार, दिनांक 09-मई-2020 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रा०भा०प्रे०के० की वेबसाइट पर उपलब्ध है ।

As per article 5.5.1 of the Indian Electricity Grid Code, the daily report pertaining power supply position of All India Power System for the date 09th May 2020, is available at the NLDC website.

धन्यवाद,

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



Report for previous day

Date of Reporting: 10-May-2020

A. Power Supply Position at All India and Regional level

	NR	WR	SR	ER	NER	TOTAL
Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs)	41865	40148	35936	18589	2500	139038
Peak Shortage (MW)	1300	0	0	0	44	1344
Energy Met (MU)	956	1024	903	362	42	3287
Hydro Gen (MU)	243	54	89	77	6	469
Wind Gen (MU)	25	60	20	-	-	104
Solar Gen (MU)*	42.60	27.83	84.33	4.92	0.06	160
Energy Shortage (MU)	10.6	0.0	0.0	0.0	0.7	11.2
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	44880	45899	41600	18448	2526	146028
Time Of Maximum Demand Met (From NLDC SCADA)	22:00	15:35	14:44	21:23	19:57	22:25

B. Frequency Profile (%)

Region	FVI	< 49.7	49.7 - 49.8	49.8 - 49.9	< 49.9	49.9 - 50.05	> 50.05
All India	0.043	0.00	0.53	10.91	11.45	79.62	8.94

C. Power Supply Position in States

Region	States	Max.Demand Met during the day(MW)	Shortage during maximum Demand(MW)	Energy Met (MU)	Drawal Schedule (MU)	OD(+)/UD(-) (MU)	Max OD (MW)	Energy Shortage (MU)
NR	Punjab	6080	0	129.2	101.7	-1.3	72	0.0
	Haryana	6281	0	126.3	113.9	0.9	139	0.0
	Rajasthan	10463	0	214.8	79.1	-0.9	274	0.0
	Delhi	4038	0	75.0	63.3	-2.3	45	0.0
	UP	16776	380	316.6	157.8	0.2	1176	0.4
	Uttarakhand	1307	0	28.0	10.7	0.6	192	0.0
	HP	1011	0	19.6	-0.3	0.2	216	0.0
	J&K(UT) & Ladakh(UT)	2185	546	42.9	27.9	-1.1	154	10.1
WR	Chhattisgarh	172	0	3.4	3.3	0.2	22	0.0
	Chhattisgarh	2953	0	67.9	18.1	-0.9	184	0.0
	Gujarat	13871	0	302.8	76.3	4.0	745	0.0
	MP	9038	0	197.3	106.9	-2.5	291	0.0
	Maharashtra	19637	0	432.1	176.1	-2.7	492	0.0
	Goa	473	0	10.4	10.2	-0.3	36	0.0
	DD	184	0	4.0	3.8	0.2	23	0.0
	DNH	343	0	7.8	7.9	0.0	26	0.0
	AMNSIL	458	0	1.9	1.9	0.0	126	0.0
	Andhra Pradesh	9123	0	177.3	108.1	-0.8	536	0.0
SR	Telangana	7278	0	147.8	69.6	0.7	335	0.0
	Karnataka	10437	0	205.6	56.7	0.3	431	0.0
	Kerala	3523	0	72.7	49.8	-0.2	220	0.0
	Tamil Nadu	12744	0	292.4	179.5	0.9	741	0.0
	Puducherry	362	0	7.3	7.6	-0.3	23	0.0
	Bihar	4620	0	85.7	79.6	0.6	352	0.0
ER	DVC	2204	0	46.4	-24.0	0.2	280	0.0
	Jharkhand	1195	0	22.8	16.4	-0.4	272	0.0
	Odisha	3822	0	74.7	-10.1	1.0	363	0.0
	West Bengal	7053	0	130.7	44.3	2.7	445	0.0
	Sikkim	109	0	1.4	1.4	0.0	43	0.0
NER	Arunachal Pradesh	108	0	1.8	1.2	0.4	35	0.0
	Assam	1534	26	25.0	21.2	0.0	109	0.5
	Manipur	188	2	2.3	2.4	-0.1	33	0.0
	Meghalaya	278	0	4.9	2.9	-0.2	47	0.1
	Mizoram	96	1	1.7	1.4	0.2	11	0.0
	Nagaland	112	1	2.2	2.1	0.0	23	0.0
	Tripura	275	2	4.6	3.7	0.0	31	0.0

D. Transnational Exchanges (MU) - Import(+ve)/Export(-ve)

	Bhutan	Nepal	Bangladesh
Actual (MU)	13.5	-0.5	-18.7
Day Peak (MW)	874.4	-125.5	-1082.0

E. Import/Export by Regions (in MU) - Import(+ve)/Export(-ve); OD(+)/UD(-)

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	228.2	-264.1	162.3	-127.9	1.2	-0.2
Actual(MU)	216.4	-275.0	176.9	-123.5	0.9	-4.4
O/D/U/D(MU)	-11.8	-10.9	14.5	4.3	-0.3	-4.1

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL
Central Sector	6065	17243	9402	1826	399	34934
State Sector	19845	22632	13028	7482	11	62998
Total	25910	39874	22430	9308	410	97932

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	338	1038	417	440	11	2244
Lignite	21	16	33	0	0	70
Hydro	243	54	89	77	6	469
Nuclear	26	34	51	0	0	111
Gas, Naptha & Diesel	29	76	18	0	29	153
RES (Wind, Solar, Biomass & Others)	93	103	133	5	0	335
Total	750	1321	742	522	46	3382

Share of RES in total generation (%)	12.41	7.83	17.96	0.95	0.13	9.90
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	48.23	14.52	36.83	15.64	12.26	27.04

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.050
Based on State Max Demands	1.098

Diversity factor = Sum of regional or state maximum demands / All India maximum demand

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

Executive Director-NLDC

INTER-REGIONAL EXCHANGES

Import=(+ve) /Export =(-ve) for NET (MU)
Date of Reporting: 10-May-2020

Sl No	Voltage Level	Line Details	Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)	
Import/Export of ER (With NR)									
1	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0	
2	HVDC	PUSAULI B/B	S/C	0	249	0.0	6.1	-6.1	
3	765 kV	GAYA-VARANASI	D/C	0	804	0.0	11.7	-11.7	
4	765 kV	SASARAM-FATEHPUR	S/C	60	297	0.0	3.5	-3.5	
5	765 kV	GAYA-BALIA	S/C	0	444	0.0	8.5	-8.5	
6	400 kV	PUSAULI-VARANASI	S/C	0	209	0.0	4.0	-4.0	
7	400 kV	PUSAULI -ALLAHABAD	S/C	0	129	0.0	1.9	-1.9	
8	400 kV	MUZAFFARPUR-GORAKHPUR	D/C	0	835	0.0	12.8	-12.8	
9	400 kV	PATNA-BALIA	Q/C	0	785	0.0	13.0	-13.0	
10	400 kV	BIHARSHARIFF-BALIA	D/C	0	411	0.0	6.5	-6.5	
11	400 kV	MOTIHARI-GORAKHPUR	D/C	0	239	0.0	4.2	-4.2	
12	400 kV	BIHARSHARIFF-VARANASI	D/C	66	315	0.0	3.8	-3.8	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	182	0.0	3.3	-3.3	
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
15	132 kV	GARWAH-RIHAND	S/C	30	0	0.5	0.0	0.5	
16	132 kV	KARMANASA-SAHUPURI	S/C	0	0	0.0	0.0	0.0	
17	132 kV	KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0	
						ER-NR	0.5	79.3	-78.8
Import/Export of ER (With WR)									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	999	0	15.0	0.0	15.0	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	D/C	504	118	4.9	0.0	4.9	
3	765 kV	JHARSUGUDA-DURG	D/C	0	454	0.0	6.9	-6.9	
4	400 kV	JHARSUGUDA-RAIGARH	Q/C	130	136	0.0	0.5	-0.5	
5	400 kV	RANCHI-SIPAT	D/C	306	63	2.9	0.0	2.9	
6	220 kV	BUDHIPADAR-RAIGARH	S/C	0	96	0.0	1.6	-1.6	
7	220 kV	BUDHIPADAR-KORBA	D/C	151	0	2.2	0.0	2.2	
						ER-WR	25.0	9.1	15.9
Import/Export of ER (With SR)									
1	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0	278	0.0	6.2	-6.2	
2	HVDC	TALCHER-KOLAR BIPOLE	D/C	0	2471	0.0	49.2	-49.2	
3	765 kV	ANGUL-SRIKAKULAM	D/C	0	3087	0.0	67.1	-67.1	
4	400 kV	TALCHER-I/C	D/C	0	658	0.0	4.0	-4.0	
5	220 kV	BALIMELA-UPPER-SILERRU	S/C	1	0	0.0	0.0	0.0	
						ER-SR	0.0	122.5	-122.5
Import/Export of ER (With NER)									
1	400 kV	BINAGURI-BONGAIGAON	D/C	308	0	4.3	0.0	4.3	
2	400 kV	ALIPURDUAR-BONGAIGAON	D/C	448	0	5.7	0.0	5.7	
3	220 kV	ALIPURDUAR-SALAKATI	D/C	77	7	0.9	0.0	0.9	
						ER-NER	10.9	0.0	10.9
Import/Export of NER (With NR)									
1	HVDC	BISWANATH CHARIALI-AGRA	-	466	0	11.5	0.0	11.5	
						NER-NR	11.5	0.0	11.5
Import/Export of WR (With NR)									
1	HVDC	CHAMPA-KURUKSHETRA	D/C	0	0	0.0	18.7	-18.7	
2	HVDC	V'CHAL B/B	D/C	49	52	0.0	0.0	0.0	
3	HVDC	APL -MHG	D/C	0	1126	0.0	27.9	-27.9	
4	765 kV	GWALIOR-AGRA	D/C	0	2483	0.0	46.6	-46.6	
5	765 kV	PHAGI-GWALIOR	D/C	0	1740	0.0	34.5	-34.5	
6	765 kV	JABALPUR-ORAI	D/C	0	853	0.0	31.9	-31.9	
7	765 kV	GWALIOR-ORAI	S/C	632	0	12.6	0.0	12.6	
8	765 kV	SATNA-ORAI	S/C	0	1434	0.0	31.5	-31.5	
9	765 kV	CHITORGARH-BANASKANTHA	D/C	0	662	0.0	5.9	-5.9	
10	400 kV	ZERDA-KANKROLI	S/C	126	11	1.4	0.0	1.4	
11	400 kV	ZERDA -BHINMAL	S/C	284	121	1.9	0.0	1.9	
12	400 kV	V'CHAL -RIHAND	S/C	963	0	22.4	0.0	22.4	
13	400 kV	RAPP-SHUJALPUR	D/C	248	99	0.9	0.0	0.9	
14	220 kV	BHANPURA-RANPUR	S/C	52	31	0.9	0.8	0.1	
15	220 kV	BHANPURA-MORAK	S/C	11	75	0.0	0.3	-0.3	
16	220 kV	MEHGAON-AURAIYA	S/C	82	0	0.1	0.0	0.0	
17	220 kV	MALANPUR-AURAIYA	S/C	49	15	0.5	0.0	0.5	
18	132 kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						WR-NR	40.5	198.1	-157.6
Import/Export of WR (With SR)									
1	HVDC	BHADRAWATI B/B	-	0	995	0.0	18.8	-18.8	
2	HVDC	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
3	765 kV	SOLAPUR-RAICHUR	D/C	0	2374	0.0	35.7	-35.7	
4	765 kV	WARDHA-NIZAMABAD	D/C	0	2434	0.0	46.9	-46.9	
5	400 kV	KOLHAPUR-KUDGI	D/C	304	305	1.2	1.9	-0.6	
6	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
7	220 kV	PONDA-AMBEWADI	S/C	0	72	0.0	0.8	-0.8	
8	220 kV	XELDEM-AMBEWADI	S/C	0	90	1.8	0.0	1.8	
						WR-SR	3.1	104.1	-101.0

INTERNATIONAL EXCHANGES

State	Region	Line Name	Max (MW)	Min (MW)	Avg (MW)	Energy Exchange (MU)
BHUTAN	ER	DAGACHU (2 * 63)	0	0	0	0.0
	ER	CHUKA (4 * 84) BIRPARA RECEIPT	104	87	57	1.4
	ER	MANGDECHHU (4 x 180) ALIPURDUAR RECEIPT	268	257	235	5.7
	ER	TALA (6 * 170) BINAGURI RECEIPT	347	327	241	5.8
	NER	132KV-SALAKATI - GELEPHU	14	0	-2	-0.1
	NER	132KV-RANGIA - DEOTHANG	0	0	18	0.4
NEPAL	NR	132KV-Tanakpur(NH) - Mahendranagar(PG)	0	0	0	0.0
	ER	132KV-BIHAR - NEPAL	-32	-2	-8	-0.2
	ER	220KV-MUZAFFARPUR - DHALKEBAR DC	-94	-2	-12	-0.3
BANGLADESH	ER	Bheramara HVDC(Bangladesh)	-962	-408	-683	-16.4
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	60	0	-47	-1.1
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	60	0	-47	-1.1