



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: 19th 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., डोंगतेह, 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 18.05.2020.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.5.5.1 के प्रावधान के अनुसार, दिनांक 18-मई-2020 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रांभांप्रेके 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 18th 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: 19-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)	44884	40443	34074	20377	2642	142420
Peak Shortage (MW)	982	0	0	0	21	1003
Energy Met (MU)	1049	1040	834	428	46	3397
Hydro Gen (MU)	274	47	51	89	8	470
Wind Gen (MU)	8	81	105	-	-	194
Solar Gen (MU)*	42.83	26.80	66.52	4.88	0.04	141
Energy Shortage (MU)	11.6	0.0	0.0	0.0	0.7	12.2
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	48870	46018	38396	20611	2636	150332
Time Of Maximum Demand Met (From NLDC SCADA)	22:26	15:11	15:27	23:32	19:38	22:31

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	0.027	0.00	0.23	4.13	4.36	80.37	15.27

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	6982	0	142.3	113.1	-0.5	110	0.0
	Haryana	6628	0	135.5	120.7	2.1	309	0.0
	Rajasthan	10637	0	225.6	81.8	1.3	418	0.0
	Delhi	4079	0	78.7	64.3	-2.1	47	0.0
	UP	18274	440	367.1	184.3	0.5	775	1.2
	Uttarakhand	1428	0	30.6	13.0	0.2	65	0.0
	HP	1172	0	22.4	0.3	1.2	191	0.0
	J&K(UT) & Ladakh(UT)	2189	547	43.3	22.5	1.3	286	10.3
WR	Chhattisgarh	182	0	3.8	3.8	0.1	17	0.0
	Chhattisgarh	3291	0	76.3	24.7	-1.2	250	0.0
	Gujarat	14322	0	303.5	83.6	5.2	1023	0.0
	MP	9259	0	205.3	116.3	-1.7	346	0.0
	Maharashtra	19178	0	418.3	137.6	0.7	508	0.0
	Goa	466	0	10.3	9.8	0.0	56	0.0
	DD	196	0	4.2	4.0	0.2	29	0.0
	DNH	324	0	7.4	7.3	0.1	31	0.0
	AMNSIL	687	0	14.9	2.5	0.8	265	0.0
	Andhra Pradesh	8618	0	174.1	82.3	-1.3	555	0.0
SR	Telangana	7266	0	149.5	55.2	0.3	463	0.0
	Karnataka	8992	0	169.2	49.4	-1.7	495	0.0
	Kerala	3040	0	63.3	43.5	-0.1	170	0.0
	Tamil Nadu	12418	0	270.5	134.4	-4.1	604	0.0
	Puducherry	331	0	7.0	7.2	-0.2	63	0.0
	Bihar	5378	0	105.9	98.8	-1.3	255	0.0
ER	DVC	2465	0	52.9	-29.5	0.7	349	0.0
	Jharkhand	1470	0	26.9	19.8	-0.3	336	0.0
	Odisha	4027	0	83.4	10.8	0.6	289	0.0
	West Bengal	7915	0	157.7	40.9	2.3	359	0.0
	Sikkim	94	0	1.3	1.6	-0.3	14	0.0
NER	Arunachal Pradesh	105	3	1.9	1.7	0.1	61	0.0
	Assam	1645	10	27.6	21.9	0.8	151	0.5
	Manipur	190	1	2.6	2.3	0.3	42	0.0
	Meghalaya	292	0	5.0	3.4	-0.2	40	0.1
	Mizoram	90	2	1.5	1.5	-0.2	12	0.0
	Nagaland	128	2	2.1	2.1	-0.1	11	0.0
	Tripura	302	4	5.5	5.5	0.6	77	0.0

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	24.8	-0.7	-26.1
Day Peak (MW)	1342.0	-160.1	-1144.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	251.4	-298.7	128.4	-83.5	2.4	0.0
Actual(MU)	258.8	-296.7	103.6	-72.9	6.7	-0.5
O/D/U/D(MU)	7.4	2.1	-24.9	10.6	4.3	-0.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL
Central Sector	5825	16928	10792	1196	649	35390
State Sector	16950	22081	11158	5092	11	55292
Total	22775	39008	21950	6288	660	90681

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	378	1044	379	444	7	2252
Lignite	22	15	33	0	0	70
Hydro	274	47	51	89	8	470
Nuclear	28	33	47	0	0	108
Gas, Naptha & Diesel	33	86	19	0	31	169
RES (Wind, Solar, Biomass & Others)	76	121	212	5	0	414
Total	811	1346	740	538	45	3481

Share of RES in total generation (%)	9.41	8.97	28.56	0.92	0.09	11.88
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	46.65	14.90	41.87	17.55	16.86	28.46

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.041
Based on State Max Demands	1.091

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: 19-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	247	0.0	6.1	-6.1	
3	765 kV	GAYA-VARANASI	D/C	0	594	0.0	6.2	-6.2	
4	765 kV	SASARAM-FATEHPUR	S/C	156	152	0.3	0.0	0.3	
5	765 kV	GAYA-BALIA	S/C	0	412	0.0	6.7	-6.7	
6	400 kV	PUSAULI-VARANASI	S/C	0	241	0.0	4.9	-4.9	
7	400 kV	PUSAULI -ALLAHABAD	S/C	0	89	0.0	1.2	-1.2	
8	400 kV	MUZAFFARPUR-GORAKHPUR	D/C	0	663	0.0	10.6	-10.6	
9	400 kV	PATNA-BALIA	Q/C	0	709	0.0	9.9	-9.9	
10	400 kV	BIHARSHARIFF-BALIA	D/C	0	270	0.0	3.0	-3.0	
11	400 kV	MOTIHARI-GORAKHPUR	D/C	0	351	0.0	6.0	-6.0	
12	400 kV	BIHARSHARIFF-VARANASI	D/C	133	141	0.0	0.3	-0.3	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	221	0.0	4.3	-4.3	
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	0.9	59.2	-58.3
Import/Export of ER (With WR)									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	923	0	14.0	0.0	14.0	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	D/C	843	0	14.3	0.0	14.3	
3	765 kV	JHARSUGUDA-DURG	D/C	79	111	0.0	0.4	-0.4	
4	400 kV	JHARSUGUDA-RAIGARH	Q/C	192	72	1.3	0.0	1.3	
5	400 kV	RANCHI-SIPAT	D/C	352	0	6.0	0.0	6.0	
6	220 kV	BUDHIPADAR-RAIGARH	S/C	0	76	0.0	1.1	-1.1	
7	220 kV	BUDHIPADAR-KORBA	D/C	178	0	2.8	0.0	2.8	
						ER-WR	38.4	1.5	36.9
Import/Export of ER (With SR)									
1	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0	381	0.0	9.0	-9.0	
2	HVDC	TALCHER-KOLAR BIPOLE	D/C	0	992	0.0	24.1	-24.1	
3	765 kV	ANGUL-SRIKAKULAM	D/C	0	2625	0.0	52.5	-52.5	
4	400 kV	TALCHER-I/C	D/C	932	0	18.4	0.0	18.4	
5	220 kV	BALIMELA-UPPER-SILERRU	S/C	1	0	0.0	0.0	0.0	
						ER-SR	0.0	85.6	-85.6
Import/Export of ER (With NER)									
1	400 kV	BINAGURI-BONGAIGAON	D/C	0	302	0.0	3.5	-3.5	
2	400 kV	ALIPURDUAR-BONGAIGAON	D/C	0	510	0.0	8.2	-8.2	
3	220 kV	ALIPURDUAR-SALAKATI	D/C	0	105	0.0	1.6	-1.6	
						ER-NER	0.0	13.3	-13.3
Import/Export of NER (With NR)									
1	HVDC	BISWANATH CHARIALI-AGRA	-	0	403	0.0	8.3	-8.3	
						NER-NR	0.0	8.3	-8.3
Import/Export of WR (With NR)									
1	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1825	0.0	57.6	-57.6	
2	HVDC	V'CHAL B/B	D/C	272	104	2.2	0.0	2.2	
3	HVDC	APL -MHG	D/C	0	1549	0.0	38.7	-38.7	
4	765 kV	GWALIOR-AGRA	D/C	0	2607	0.0	47.9	-47.9	
5	765 kV	PHAGI-GWALIOR	D/C	0	1228	0.0	25.2	-25.2	
6	765 kV	JABALPUR-ORAI	D/C	0	947	0.0	31.8	-31.8	
7	765 kV	GWALIOR-ORAI	S/C	564	0	10.7	0.0	10.7	
8	765 kV	SATNA-ORAI	S/C	0	1374	0.0	30.4	-30.4	
9	765 kV	CHITORGARH-BANASKANTHA	D/C	231	590	0.0	3.3	-3.3	
10	400 kV	ZERDA-KANKROLI	S/C	139	45	1.1	0.0	1.1	
11	400 kV	ZERDA -BHINMAL	S/C	112	168	0.0	0.7	-0.7	
12	400 kV	V'CHAL -RIHAND	S/C	981	0	22.5	0.0	22.5	
13	400 kV	RAPP-SHUALPUR	D/C	81	289	0.0	1.0	-1.0	
14	220 kV	BHANPURA-RANPUR	S/C	10	78	1.9	0.5	1.4	
15	220 kV	BHANPURA-MORAK	S/C	0	112	0.0	0.2	-0.2	
16	220 kV	MEHGAON-AURAIYA	S/C	61	1	0.1	0.0	0.1	
17	220 kV	MALANPUR-AURAIYA	S/C	33	21	0.4	0.0	0.4	
18	132 kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						WR-NR	38.7	237.2	-198.4
Import/Export of WR (With SR)									
1	HVDC	BHADRAWATI B/B	-	0	522	0.0	12.0	-12.0	
2	HVDC	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
3	765 kV	SOLAPUR-RAICHUR	D/C	420	1440	0.2	15.8	-15.7	
4	765 kV	WARDHA-NIZAMABAD	D/C	0	2009	0.0	38.1	-38.1	
5	400 kV	KOLHAPUR-KUDGI	D/C	444	176	3.5	0.7	2.8	
6	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
7	220 kV	PONDA-AMBEWADI	S/C	1	0	0.0	0.0	0.0	
8	220 kV	XELDEM-AMBEWADI	S/C	0	96	1.9	0.0	1.9	
						WR-SR	5.5	66.6	-61.1

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	148	111	117	2.8
	ER	MANGDECHHU (4 x 180)	579	431	408	9.8
	ER	TALA (6 * 170) BINAGURI	459	383	403	9.7
	NER	132KV-SALAKATI - GELEPHU	0	0	9	0.2
	NER	132KV-RANGIA - DEOTHANG	0	0	44	1.1
NEPAL	NR	132KV-Tanakpur(NH) -	0	0	0	-0.2
	ER	132KV-BIHAR - NEPAL	-40	-2	-11	-0.3
	ER	220KV-MUZAFFARPUR -	-104	-2	-13	-0.3
BANGLADESH	ER	Bheramara HVDC (Bangladesh)	-958	-760	-929	-22.3
	NER	132KV-SURAJMANI NAGAR -	93	0	-80	-1.9
	NER	132KV-SURAJMANI NAGAR -	93	0	-80	-1.9