



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: 25th 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 24.05.2020.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 24-मई-2020 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रांभांप्रेंके 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 24th 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: 25-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)	50592	42833	36510	18487	2173	150595
Peak Shortage (MW)	515	0	0	0	298	813
Energy Met (MU)	1201	1100	938	396	39	3675
Hydro Gen (MU)	305	49	74	132	17	576
Wind Gen (MU)	16	99	116	-	-	231
Solar Gen (MU)*	37.50	29.60	83.35	4.53	0.03	155
Energy Shortage (MU)	10.9	0.0	0.0	0.0	4.1	15.0
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	55699	48164	40354	18387	2159	159881
Time Of Maximum Demand Met (From NLDC SCADA)	22:32	15:28	15:00	20:21	18:50	22:32

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	0.021	0.00	0.00	1.74	1.74	86.83	11.43

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	7543	0	168.3	128.4	-0.8	77	0.0
	Haryana	7356	0	154.3	123.5	-0.4	158	0.0
	Rajasthan	11595	0	245.8	85.5	1.7	530	0.0
	Delhi	5219	0	98.0	81.6	-3.5	141	0.0
	UP	20899	0	426.9	190.6	0.5	705	0.0
	Uttarakhand	1539	0	34.6	14.7	0.5	142	0.0
	HP	1086	0	22.4	-1.0	0.0	330	0.0
	J&K(UT) & Ladakh(UT)	2167	542	46.2	23.3	-0.2	296	10.9
WR	Chandigarh	250	0	4.5	4.8	-0.2	30	0.0
	Chhattisgarh	3614	0	83.8	29.6	-0.3	184	0.0
	Gujarat	14550	0	312.2	60.5	5.2	657	0.0
	MP	9762	0	216.2	112.7	-1.6	457	0.0
	Maharashtra	20237	0	447.4	154.0	0.3	543	0.0
	Goa	475	0	10.0	9.6	-0.1	41	0.0
	DD	189	0	4.1	3.9	0.2	21	0.0
	DNH	381	0	8.7	8.6	0.1	19	0.0
SR	AMNSIL	761	0	17.3	3.5	0.2	238	0.0
	Andhra Pradesh	9870	0	194.0	101.1	-0.7	622	0.0
	Telangana	7969	0	172.3	62.4	0.8	341	0.0
	Karnataka	9484	0	192.6	58.2	0.2	386	0.0
	Kerala	3576	0	69.7	45.0	0.5	372	0.0
	Tamil Nadu	12841	0	302.2	131.1	-2.0	361	0.0
	Puducherry	365	0	7.6	7.9	-0.3	16	0.0
	DVC	5335	0	109.2	100.9	0.3	338	0.0
ER	Bihar	2567	0	55.0	-36.7	0.0	278	0.0
	Jharkhand	1472	0	27.7	22.5	-1.3	277	0.0
	Odisha	4021	0	85.0	4.3	-0.2	233	0.0
	West Bengal	5640	0	118.4	40.3	-0.4	281	0.0
	Sikkim	76	0	0.9	1.0	-0.1	18	0.0
	Arunachal Pradesh	107	0	1.6	1.6	0.0	5	0.0
	Assam	1247	237	22.9	16.4	0.6	88	4.0
	Manipur	182	1	2.4	2.4	0.0	16	0.0
NER	Meghalaya	264	0	4.6	1.4	-0.2	67	0.1
	Mizoram	98	0	1.6	1.4	0.1	12	0.0
	Nagaland	119	0	2.1	2.0	0.0	9	0.0
	Tripura	278	2	4.3	5.4	-0.9	48	0.0

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	51.4	-0.9	-25.6
Day Peak (MW)	2231.9	-184.3	-1119.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	283.6	-306.2	135.2	-107.6	-5.0	0.0
Actual(MU)	277.5	-300.0	134.2	-103.3	-4.0	4.3
O/D/U/D(MU)	-6.1	6.2	-1.0	4.3	1.0	4.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL
Central Sector	5935	15849	10192	2760	844	35579
State Sector	13480	19582	11508	6042	11	50623
Total	19415	35431	21700	8802	855	86202

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	469	1104	415	413	3	2404
Lignite	25	15	41	0	0	81
Hydro	305	49	74	132	17	576
Nuclear	27	36	27	0	0	91
Gas, Naptha & Diesel	36	66	18	0	29	150
RES (Wind, Solar, Biomass & Others)	80	148	244	5	0	476
Total	943	1417	819	550	49	3778
Share of RES in total generation (%)	8.50	10.41	29.81	0.83	0.06	12.61
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	43.73	16.41	42.17	24.78	34.01	30.26

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.031
Based on State Max Demands	1.083

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: 25-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	1001	0.0	17.8	-17.8	
2	HVDC	PUSAULI B/B	S/C	26	249	0.0	6.3	-6.3	
3	765 kV	GAYA-VARANASI	D/C	26	580	0.0	5.3	-5.3	
4	765 kV	SASARAM-FATEHPUR	S/C	176	189	0.0	0.4	-0.4	
5	765 kV	GAYA-BALIA	S/C	0	440	0.0	6.7	-6.7	
6	400 kV	PUSAULI-VARANASI	S/C	0	230	0.0	4.6	-4.6	
7	400 kV	PUSAULI-ALLAHABAD	S/C	0	113	0.0	1.5	-1.5	
8	400 kV	MUZAFFARPUR-GORAKHPUR	D/C	0	873	0.0	15.9	-15.9	
9	400 kV	PATNA-BALIA	Q/C	0	900	0.0	14.5	-14.5	
10	400 kV	BIHARSHARIF-BALIA	D/C	0	398	0.0	6.7	-6.7	
11	400 kV	MOTHARI-GORAKHPUR	D/C	0	322	0.0	5.2	-5.2	
12	400 kV	BIHARSHARIF-VARANASI	D/C	142	207	0.0	0.7	-0.7	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	186	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	88.7	-88.2
Import/Export of ER (With WR)									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1456	0	21.4	0.0	21.4	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	D/C	996	37	10.1	0.0	10.1	
3	765 kV	JHARSUGUDA-DURG	D/C	141	119	0.3	0.0	0.3	
4	400 kV	JHARSUGUDA-RAIGARH	Q/C	114	121	0.0	0.3	-0.3	
5	400 kV	RANCHI-SIPAT	D/C	340	0	4.0	0.0	4.0	
6	220 kV	BUDHIPADAR-RAIGARH	S/C	0	100	0.0	1.6	-1.6	
7	220 kV	BUDHIPADAR-KORBA	D/C	122	0	2.1	0.0	2.1	
						ER-WR	37.9	1.9	36.0
Import/Export of ER (With SR)									
1	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0	437	0.0	9.5	-9.5	
2	HVDC	TALCHER-KOLAR BIPOLE	D/C	0	1974	0.0	31.6	-31.6	
3	765 kV	ANGUL-SRIKAKULAM	D/C	0	2691	0.0	54.4	-54.4	
4	400 kV	TALCHER-I/C	D/C	935	183	13.1	0.0	13.1	
5	220 kV	BALIMELA-UPPER-SILERRU	S/C	1	0	0.0	0.0	0.0	
						ER-SR	0.0	95.4	-95.4
Import/Export of ER (With NER)									
1	400 kV	BINAGURI-BONGAIGAOON	D/C	143	397	0.0	1.9	-1.9	
2	400 kV	ALIPURDUAR-BONGAIGAOON	D/C	199	526	0.0	2.0	-2.0	
3	220 kV	ALIPURDUAR-SALAKATI	D/C	31	105	0.0	0.7	-0.7	
						ER-NER	0.0	4.6	-4.6
Import/Export of NER (With NR)									
1	HVDC	BISWANATH CHARIALI-AGRA	-	0	805	0.0	10.9	-10.9	
						NER-NR	0.0	10.9	-10.9
Import/Export of WR (With NR)									
1	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1502	0.0	51.4	-51.4	
2	HVDC	V'CHAL B/B	D/C	95	52	0.6	0.9	-0.4	
3	HVDC	APL -MHG	D/C	0	1548	0.0	37.4	-37.4	
4	765 kV	GWALIOR-AGRA	D/C	0	2562	0.0	40.5	-40.5	
5	765 kV	PHAGI-GWALIOR	D/C	0	1229	0.0	18.5	-18.5	
6	765 kV	JABALPUR-ORAI	D/C	0	986	0.0	27.4	-27.4	
7	765 kV	GWALIOR-ORAI	S/C	461	0	9.3	0.0	9.3	
8	765 kV	SAINA-ORAI	S/C	0	1469	0.0	27.4	-27.4	
9	765 kV	CHITORGARH-BANASKANTHA	D/C	0	863	0.0	10.7	-10.7	
10	400 kV	ZERDA-KANKROLI	S/C	80	92	0.1	0.0	0.1	
11	400 kV	ZERDA-BHINMAL	S/C	136	228	0.7	0.0	0.7	
12	400 kV	V'CHAL -RIHAND	S/C	964	0	22.6	0.0	22.6	
13	400 kV	RAPP-SHUJALPUR	D/C	95	304	0.0	2.4	-2.4	
14	220 kV	BHANPURA-RANPUR	S/C	31	66	1.6	0.0	1.6	
15	220 kV	BHANPURA-MORAK	S/C	0	107	0.0	0.4	-0.4	
16	220 kV	MEHGAON-AURAIYA	S/C	56	0	0.0	0.0	0.0	
17	220 kV	MALANPUR-AURAIYA	S/C	54	7	0.0	0.0	0.0	
18	132 kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
19	132 kV	RAIGHAT-LALITPUR	D/C	0	0	0.0	0.0	0.0	
						WR-NR	34.8	216.9	-182.1
Import/Export of WR (With SR)									
1	HVDC	BHADRAWATI B/B	-	0	989	0.0	23.4	-23.4	
2	HVDC	BARSRU-I-SILERRU	-	0	0	0.0	0.0	0.0	
3	HVDC	HVDC-RAIGARH-PUGALUR	D/C	0	0	0.0	0.0	0.0	
4	765 kV	SOLAPUR-RAICHUR	D/C	0	1782	0.0	24.5	-24.5	
5	765 kV	WARDHA-NIZAMABAD	D/C	0	2174	0.0	37.8	-37.8	
6	400 kV	KOLHAPUR-KUDGI	D/C	322	54	3.4	0.0	3.4	
7	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
8	220 kV	PONDA-AMBEWADI	S/C	1	0	0.0	0.0	0.0	
9	220 kV	XELDEM-AMBEWADI	S/C	0	74	1.4	0.0	1.4	
						WR-SR	4.8	85.7	-80.9

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	254	246	210	5.0
	ER	MANGDECHHU (4 x 180) ALIPURDUAR RECEIPT	759	758	726	17.4
	ER	TALA (6 * 170) BINAGURI RECEIPT	1063	1058	1043	25.0
	NER	132KV-SALAKATI - GELEPHU	0	0	37	0.9
NEPAL	NR	132KV-Tanakpur(NH) - Mahendranagar(PG)	0	0	0	-0.2
	ER	132KV-BIHAR - NEPAL	-85	0	-25	-0.6
	ER	220KV-MUZAFFARPUR - DHALKEBAR DC	-80	-2	-4	-0.1
BANGLADESH	ER	Bheramara HVDC(Bangladesh)	-955	-756	-932	-22.4
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	82	0	-68	-1.6
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	82	0	-68	-1.6