



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: 11th 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 10.05.2020.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.5.5.1 के प्रावधान के अनुसार, दिनांक 10-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 10th 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: 11-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)	31228	36018	35290	15310	2535	120381
Peak Shortage (MW)	556	0	0	0	33	589
Energy Met (MU)	815	981	873	359	44	3072
Hydro Gen (MU)	240	45	73	66	5	428
Wind Gen (MU)	24	65	28	-	-	118
Solar Gen (MU)*	36.38	26.30	83.98	4.77	0.05	151
Energy Shortage (MU)	8.5	0.0	0.0	0.0	0.6	9.0
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	42919	44315	39278	17752	2533	142522
Time Of Maximum Demand Met (From NLDC SCADA)	00:00	14:42	22:27	00:02	19:25	00:00

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	0.048	0.00	0.61	2.05	2.66	65.75	31.59

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	5278	0	110.1	86.2	-2.6	109	0.0
	Haryana	5851	0	101.3	98.7	-4.3	337	0.0
	Rajasthan	10471	0	205.2	71.1	-0.4	394	0.0
	Delhi	4029	0	69.4	53.7	-1.7	166	0.0
	UP	15591	0	251.6	141.6	-18.7	1011	0.0
	Uttarakhand	1221	0	21.4	7.6	-2.2	57	0.0
	HP	841	0	16.5	-1.4	-1.8	126	0.0
	J&K(UT) & Ladakh(UT)	2226	556	36.1	22.2	-1.9	200	8.4
	Chandigarh	150	0	3.0	3.1	-0.1	40	0.0
	Chhattisgarh	3027	0	69.2	16.0	-0.5	237	0.0
WR	Gujarat	13813	0	299.7	74.1	2.7	729	0.0
	MP	8847	0	180.1	95.8	-1.3	491	0.0
	Maharashtra	18795	0	407.7	168.4	-3.3	712	0.0
	Goa	442	0	9.5	9.3	-0.3	38	0.0
	DD	164	0	3.7	3.7	0.0	36	0.0
	DNH	325	0	7.5	7.6	-0.1	28	0.0
	AMNSIL	555	0	3.6	3.6	0.0	194	0.0
SR	Andhra Pradesh	8750	0	175.6	103.4	0.3	458	0.0
	Telangana	6080	0	139.9	62.5	-0.6	546	0.0
	Karnataka	9768	0	192.6	57.7	2.4	551	0.0
	Kerala	3408	0	68.6	46.4	0.8	213	0.0
	Tamil Nadu	12538	0	289.3	178.5	0.3	337	0.0
	Puducherry	361	0	7.1	7.4	-0.3	42	0.0
ER	Bihar	4975	0	87.5	88.1	-1.1	454	0.0
	DVC	2167	0	43.7	-24.5	1.4	466	0.0
	Jharkhand	1085	0	20.5	16.7	-1.5	171	0.0
	Odisha	3628	0	74.9	-3.0	1.7	402	0.0
	West Bengal	6830	0	131.3	41.7	5.1	820	0.0
NER	Sikkim	83	0	1.1	1.1	-0.1	16	0.0
	Arunachal Pradesh	104	2	1.8	1.3	0.4	26	0.0
	Assam	1568	20	26.5	21.9	0.3	129	0.4
	Manipur	171	2	2.3	2.3	0.0	16	0.0
	Meghalaya	276	0	4.7	2.9	0.0	63	0.1
	Mizoram	93	1	1.7	1.2	0.4	23	0.0
	Nagaland	107	2	2.2	2.1	0.0	29	0.0
	Tripura	274	2	4.7	4.5	0.2	66	0.0

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	13.7	-0.7	-21.0
Day Peak (MW)	889.6	-133.0	-1135.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	184.6	-245.4	159.7	-99.9	1.1	0.0
Actual(MU)	117.2	-254.6	189.3	-68.9	4.9	-12.1
O/D/U/D(MU)	-67.4	-9.1	29.6	31.0	3.8	-12.1

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL
Central Sector	6395	16643	8692	1626	462	33817
State Sector	21285	22502	12398	7232	11	63428
Total	27680	39144	21090	8858	473	97245

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	307	975	389	384	10	2064
Lignite	22	15	33	0	0	70
Hydro	240	45	73	66	5	428
Nuclear	23	33	51	0	0	106
Gas, Naptha & Diesel	32	74	19	0	29	154
RES (Wind, Solar, Biomass & Others)	87	106	135	5	0	332
Total	709	1247	699	454	44	3154
Share of RES in total generation (%)	12.20	8.50	19.25	1.07	0.11	10.53
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	49.20	14.70	36.92	15.58	11.34	27.46

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.030
Based on State Max Demands	1.080

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: 11-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	6.4	-6.4	
3	765 kV	GAYA-VARANASI	D/C	188	718	0.0	6.2	-6.2	
4	765 kV	SASARAM-FATEHPUR	S/C	381	236	1.3	0.0	1.3	
5	765 kV	GAYABALLIA	S/C	43	399	0.0	4.2	-4.2	
6	400 kV	PUSAULI-VARANASI	S/C	0	253	0.0	4.8	-4.8	
7	400 kV	PUSAULI-ALLAHABAD	S/C	0	119	0.0	1.3	-1.3	
8	400 kV	MUZAFFARPUR-GORAKHPUR	D/C	235	768	0.0	4.5	-4.5	
9	400 kV	PATNA-BALLIA	Q/C	199	782	0.0	5.5	-5.5	
10	400 kV	BIHARSHARIFF-BALLIA	D/C	95	398	0.0	2.5	-2.5	
11	400 kV	MOTIHARI-GORAKHPUR	D/C	0	227	0.0	2.7	-2.7	
12	400 kV	BIHARSHARIFF-VARANASI	D/C	292	283	1.2	0.0	1.2	
13	220 kV	PUSAULI-SAHUPURI	S/C	1	171	0.0	3.1	-3.1	
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	0.3	0.0	0.3	
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	2.8	41.2	-38.3
Import/Export of ER (With WR)									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1829	0	24.9	0.0	24.9	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	D/C	713	0	9.6	0.0	9.6	
3	765 kV	JHARSUGUDA-DURG	D/C	113	334	0.0	3.2	-3.2	
4	400 kV	JHARSUGUDA-RAIGARH	Q/C	214	65	1.9	0.0	1.9	
5	400 kV	RANCHI-SIPAT	D/C	402	0	6.0	0.0	6.0	
6	220 kV	BUDHIPADAR-RAIGARH	S/C	7	92	0.0	0.8	-0.8	
7	220 kV	BUDHIPADAR-KORBA	D/C	206	0	3.6	0.0	3.6	
						ER-WR	46.0	4.1	41.9
Import/Export of ER (With SR)									
1	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0	380	0.0	7.9	-7.9	
2	HVDC	TALCHER-KOLAR BIPOLE	D/C	0	2466	0.0	49.5	-49.5	
3	765 kV	ANGUL-SRIKAKULAM	D/C	0	3177	0.0	62.8	-62.8	
4	400 kV	TALCHER-I/C	D/C	0	1472	0.0	15.0	-15.0	
5	220 kV	BALIMELA-UPPER-SILERRU	S/C	1	0	0.0	0.0	0.0	
						ER-SR	0.0	120.2	-120.2
Import/Export of ER (With NER)									
1	400 kV	BINAGURI-BONGAIGAON	D/C	249	38	2.9	0.0	2.9	
2	400 kV	ALIPURDUAR-BONGAIGAON	D/C	350	61	3.7	0.0	3.7	
3	220 kV	ALIPURDUAR-SALAKATI	D/C	60	19	0.6	0.0	0.6	
						ER-NER	7.2	0.0	7.2
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	14.5	-14.5	
2	HVDC	V'CHAL B/B	D/C	448	52	3.0	0.0	3.0	
3	HVDC	APL -MHG	D/C	0	1358	0.0	25.6	-25.6	
4	765 kV	GWALIOR-AGRA	D/C	0	2471	0.0	39.3	-39.3	
5	765 kV	PHAGI-GWALIOR	D/C	0	1476	0.0	25.5	-25.5	
6	765 kV	JABALPUR-ORAI	D/C	0	814	0.0	21.8	-21.8	
7	765 kV	GWALIOR-ORAI	S/C	580	26	10.2	0.0	10.2	
8	765 kV	SAJNA-ORAI	S/C	0	1437	0.0	25.9	-25.9	
9	765 kV	CHITORGARH-BANASKANTHA	D/C	748	499	0.0	0.8	-0.8	
10	400 kV	ZERDA-KANKROLI	S/C	289	0	2.8	0.0	2.8	
11	400 kV	ZERDA -BHINMAL	S/C	426	30	3.9	0.0	3.9	
12	400 kV	V'CHAL -RIHAND	S/C	951	0	21.5	0.0	21.5	
13	400 kV	RAPP-SHUJALPUR	D/C	527	100	2.0	0.0	2.0	
14	220 kV	BHANPURA-RANPUR	S/C	90	21	0.2	0.8	-0.6	
15	220 kV	BHANPURA-MORAK	S/C	53	52	0.0	0.3	-0.3	
16	220 kV	MEHGAON-AURAIYA	S/C	73	0	0.0	0.0	0.0	
17	220 kV	MALANPUR-AURAIYA	S/C	44	11	0.5	0.0	0.5	
18	132 kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						WR-NR	44.1	154.4	-110.3
Import/Export of WR (With SR)									
1	HVDC	BHADRAWATI B/B	-	0	1002	0.0	23.5	-23.5	
2	HVDC	BARSHUR-L-SILERRU	-	0	0	0.0	0.0	0.0	
3	765 kV	SOLAPUR-RAICHUR	D/C	0	2610	0.0	35.6	-35.6	
4	765 kV	WARDHA-NIZAMABAD	D/C	0	2819	0.0	47.0	-47.0	
5	400 kV	KOLHAPUR-KUDGI	D/C	402	409	1.7	1.9	-0.2	
6	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
7	220 kV	PONDA-AMBEWADI	S/C	0	68	0.0	1.4	-1.4	
8	220 kV	XELDEM-AMBEWADI	S/C	1	86	1.7	0.0	1.7	
						WR-SR	3.4	109.4	-106.0

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	78	64	50	1.2
	ER	MANGDECHHU (4 x 180) ALIPURDUAR RECEIPT	316	264	243	5.8
	ER	TALA (6 * 170) BINAGURI RECEIPT	340	323	249	6.0
	NER	132KV-SALAKATI - GELEPHU	12	0	-5	-0.1
	NER	132KV-RANGIA - DEOTHANG	0	0	19	0.5
NEPAL	NR	132KV-Tanakpur(NH) - Mahendranagar(PG)	0	0	0	0.0
	ER	132KV-BIHAR - NEPAL	-43	-6	-13	-0.3
	ER	220KV-MUZAFFARPUR - DHALKEBAR DC	-90	-2	-14	-0.3
BANGLADESH	ER	Bheramara HVDC(Bangladesh)	-962	-418	-745	-17.9
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	87	0	-64	-1.5
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	86	0	-64	-1.5