



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: 07<sup>th</sup> 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 06.05.2020.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 06-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 06<sup>th</sup> 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: 07-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)	38308	39060	34588	16996	2284	131236
Peak Shortage (MW)	461	0	0	0	72	533
Energy Met (MU)	817	1009	877	310	37	3050
Hydro Gen (MU)	230	55	81	80	7	453
Wind Gen (MU)	10	68	43	-	-	121
Solar Gen (MU)*	37.23	26.80	83.98	4.89	0.02	153
Energy Shortage (MU)	9.3	0.0	0.0	0.0	1.6	10.9
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	39939	44251	41208	17048	2307	137223
Time Of Maximum Demand Met (From NLDC SCADA)	22:13	14:33	14:50	21:02	19:02	22:22

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	0.032	0.00	0.00	1.82	1.82	74.61	23.58

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	4805	0	105.4	81.6	-1.2	128	0.0
	Haryana	5288	0	106.9	100.0	0.6	252	0.0
	Rajasthan	8631	0	178.8	69.4	-2.6	475	0.0
	Delhi	3382	0	68.5	58.2	-2.0	4	0.0
	UP	15708	0	269.3	127.2	0.2	701	0.0
	Uttarakhand	1193	0	25.3	9.0	-0.2	87	0.0
	HP	1047	0	19.9	-1.0	1.6	141	0.0
	J&K(UT) & Ladakh(UT)	2048	512	39.2	30.8	-1.5	157	9.3
	Chandigarh	154	0	3.3	3.1	0.1	18	0.0
	Chhattisgarh	3092	0	70.8	21.8	-1.2	233	0.0
WR	Gujarat	13564	0	300.2	94.8	1.2	949	0.0
	MP	8302	0	181.1	104.9	-2.8	519	0.0
	Maharashtra	19553	0	431.5	172.8	-0.8	554	0.0
	Goa	475	0	10.4	10.2	-0.3	46	0.0
	DD	203	0	3.9	3.9	0.0	417	0.0
	DNH	335	0	7.5	7.5	0.0	361	0.0
	AMNSIL	429	0	3.5	3.3	0.2	154	0.0
SR	Andhra Pradesh	8702	0	171.9	95.0	1.2	807	0.0
	Telangana	6923	0	146.1	66.3	-0.4	414	0.0
	Karnataka	10434	0	204.0	58.8	2.0	670	0.0
	Kerala	3112	0	68.1	47.0	1.2	241	0.0
	Tamil Nadu	12317	0	279.6	183.2	-0.7	421	0.0
	Puducherry	350	0	6.9	7.2	-0.3	34	0.0
ER	Bihar	4510	0	74.7	70.1	-0.9	143	0.0
	DVC	2085	0	38.7	-17.8	1.1	304	0.0
	Jharkhand	1254	0	18.1	13.2	-3.5	73	0.0
	Odisha	3543	0	69.7	-11.4	0.7	368	0.0
	West Bengal	6059	0	107.4	37.1	-0.5	397	0.0
NER	Sikkim	97	0	1.3	1.6	-0.3	14	0.0
	Arunachal Pradesh	96	1	1.8	0.9	0.8	30	0.0
	Assam	1381	52	21.9	18.7	0.0	130	1.2
	Manipur	182	1	2.3	2.4	-0.1	20	0.0
	Meghalaya	279	0	4.4	2.4	-0.2	69	0.1
	Mizoram	93	1	1.6	1.4	0.1	13	0.0
	Nagaland	110	1	2.1	2.0	-0.1	8	0.0
	Tripura	225	3	3.3	3.4	-1.0	60	0.3

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	21.4	-0.3	-12.7
Day Peak (MW)	1241.5	-106.5	-918.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	170.4	-223.6	158.7	-108.8	2.8	-0.5
Actual(MU)	156.5	-225.1	180.0	-114.5	1.5	-1.6
O/D/U/D(MU)	-13.9	-1.5	21.3	-5.7	-1.3	-1.1

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL
Central Sector	7248	17243	8482	2230	649	35852
State Sector	19073	23492	13388	7982	11	63946
Total	26321	40734	21870	10212	660	99797

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	301	965	365	370	7	2007
Lignite	20	14	38	0	0	72
Hydro	230	55	81	80	7	453
Nuclear	28	36	51	0	0	115
Gas, Naptha & Diesel	24	69	20	0	27	140
RES (Wind, Solar, Biomass & Others)	79	112	153	5	0	349
Total	681	1252	708	454	40	3135
Share of RES in total generation (%)	11.54	8.95	21.61	1.09	0.05	11.12
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	49.44	16.28	40.23	18.63	16.31	29.23

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.055
Based on State Max Demands	1.093

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: 07-May-2020

Sl No	Voltage Level	Line Details	Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)	
<b>Import/Export of ER (With NR)</b>									
1	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0	
2	HVDC	PUSAULI B/B	S/C	0	249	0.0	6.2	-6.2	
3	765 kV	GAYA-VARANASI	D/C	41	702	0.0	8.7	-8.7	
4	765 kV	SASARAM-FATEHPUR	S/C	127	316	0.0	2.6	-2.6	
5	765 kV	GAYA-BALIA	S/C	0	331	0.0	4.9	-4.9	
6	400 kV	PUSAULI-VARANASI	S/C	0	214	0.0	3.7	-3.7	
7	400 kV	PUSAULI-ALLAHABAD	S/C	0	153	0.0	2.3	-2.3	
8	400 kV	MUZAFFARPUR-GORAKHPUR	D/C	0	792	0.0	11.2	-11.2	
9	400 kV	PATNA-BALIA	Q/C	0	735	0.0	11.2	-11.2	
10	400 kV	BIHARSHARIFF-BALIA	D/C	0	354	0.0	4.9	-4.9	
11	400 kV	MOTHARI-GORAKHPUR	D/C	0	197	0.0	3.1	-3.1	
12	400 kV	BIHARSHARIFF-VARANASI	D/C	190	345	0.0	2.4	-2.4	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	169	0.0	2.8	-2.8	
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	0.0	0.0	0.0	
16	132 kV	KARMANASA-SAHUPURI	S/C	0	0	0.0	0.0	0.0	
17	132 kV	KARMANASA-CHANDALI	S/C	0	0	0.0	0.0	0.0	
						ER-NR	0.0	63.8	-63.8
<b>Import/Export of ER (With WR)</b>									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1077	0	13.5	0.0	13.5	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	D/C	513	425	3.0	0.0	3.0	
3	765 kV	JHARSUGUDA-DURG	D/C	92	564	0.0	6.3	-6.3	
4	400 kV	JHARSUGUDA-RAIGARH	Q/C	82	272	0.0	2.3	-2.3	
5	400 kV	RANCHI-SIPAT	D/C	323	234	2.4	0.0	2.4	
6	220 kV	BUDHIPADAR-RAIGARH	S/C	0	164	0.0	2.4	-2.4	
7	220 kV	BUDHIPADAR-KORBA	D/C	150	36	1.0	0.0	1.0	
						ER-WR	20.0	11.0	9.0
<b>Import/Export of ER (With SR)</b>									
1	HVDC	JEYPORE-GAZIWAKA B/B	D/C	0	460	0.0	6.2	-6.2	
2	HVDC	TALCHER-KOLAR BIPOLE	D/C	0	1982	0.0	48.0	-48.0	
3	765 kV	ANGUL-SRIKAKULAM	D/C	0	3197	0.0	65.0	-65.0	
4	400 kV	TALCHER-I/C	D/C	0	975	0.0	4.8	-4.8	
5	220 kV	BALIMELA-UPPER-SILERRU	S/C	1	0	0.0	0.0	0.0	
						ER-SR	0.0	119.2	-119.2
<b>Import/Export of ER (With NER)</b>									
1	400 kV	BINAGURI-BONGAIGAOON	D/C	308	0	4.5	0.0	4.5	
2	400 kV	ALIPURDUAR-BONGAIGAOON	D/C	392	0	5.6	0.0	5.6	
3	220 kV	ALIPURDUAR-SALAKATI	D/C	68	11	0.9	0.0	0.9	
						ER-NER	11.0	0.0	11.0
<b>Import/Export of NER (With NR)</b>									
1	HVDC	BISWANATH CHARIALI-AGRA	-	464	0	11.3	0.0	11.3	
						NER-NR	11.3	0.0	11.3
<b>Import/Export of WR (With NR)</b>									
1	HVDC	CHAMPA-KURUKSHETRA	D/C	0	0	0.0	13.6	-13.6	
2	HVDC	V'CHAL B/B	D/C	271	0	2.3	0.0	2.3	
3	HVDC	APL -MHG	D/C	0	1125	0.0	27.9	-27.9	
4	765 kV	GWALIOR-AGRA	D/C	0	2272	0.0	37.9	-37.9	
5	765 kV	PHAGI-GWALIOR	D/C	0	1487	0.0	26.7	-26.7	
6	765 kV	JABALPUR-ORAI	D/C	0	684	0.0	22.4	-22.4	
7	765 kV	GWALIOR-ORAI	S/C	535	0	9.8	0.0	9.8	
8	765 kV	SATNA-ORAI	S/C	0	1367	0.0	37.7	-37.7	
9	765 kV	CHITORGARH-BANASKANTHA	D/C	285	385	0.0	0.7	-0.7	
10	400 kV	ZERDA-KANKROLI	S/C	242	0	3.2	0.0	3.2	
11	400 kV	ZERDA -BHINMAL	S/C	315	87	2.8	0.0	2.8	
12	400 kV	V'CHAL -RIHAND	S/C	963	0	22.0	0.0	22.0	
13	400 kV	RAPP-SHUJALPUR	D/C	491	6	4.9	0.0	4.9	
14	220 kV	BHANPURA-RANPUR	S/C	72	32	0.3	0.0	0.0	
15	220 kV	BHANPURA-MORAK	S/C	43	57	0.1	0.6	-0.6	
16	220 kV	MEHGAON-AURAIYA	S/C	85	24	0.9	0.0	0.9	
17	220 kV	MALANPUR-AURAIYA	S/C	59	48	0.5	0.1	0.4	
18	132 kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						WR-NR	46.8	158.9	-112.1
<b>Import/Export of WR (With SR)</b>									
1	HVDC	BHADRAWATI B/B	-	0	982	0.0	23.3	-23.3	
2	HVDC	BARSHUR-L-SILERRU	-	0	0	0.0	0.0	0.0	
3	765 kV	SOLAPUR-RAICHUR	D/C	0	2068	0.0	33.8	-33.8	
4	765 kV	WARDHA-NIZAMABAD	D/C	0	2715	0.0	48.8	-48.8	
5	400 kV	KOLHAPUR-KUDGI	D/C	317	307	0.0	1.3	-1.3	
6	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
7	220 kV	PONDA-AMBEWADI	S/C	0	0	0.0	0.0	0.0	
8	220 kV	XELDEM-AMBEWADI	S/C	0	91	1.8	0.0	1.8	
						WR-SR	1.8	107.2	-105.4

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	155	146	111	2.7
	ER	MANGDECHHU (4 x 180) ALIPURDUAR RECEIPT	501	462	350	8.4
	ER	TALA ( 6 * 170 ) BINAGURI RECEIPT	430	426	354	8.5
	NER	132KV-SALAKATI - GELEPHU	16	0	8	0.2
	NER	132KV-RANGIA - DEOTHANG	0	0	31	0.8
NEPAL	NR	132KV-Tanakpur(NH) - Mahendranagar(PG)	0	0	0	0.0
	ER	132KV-BIHAR - NEPAL	-6	-2	-2	-0.1
	ER	220KV-MUZAFFARPUR - DHALKEBAR DC	-100	-2	-9	-0.2
BANGLADESH	ER	Bheramara HVDC(Bangladesh)	-796	-254	-445	-10.7
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	61	0	-42	-1.0
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	61	0	-42	-1.0