



**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: 08<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., 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 07.05.2020.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.5.5.1 के प्रावधान के अनुसार, दिनांक 07-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 07<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: 08-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)	39776	40192	34575	15197	2321	132061
Peak Shortage (MW)	752	0	0	0	141	893
Energy Met (MU)	823	1007	877	326	36	3068
Hydro Gen (MU)	236	41	84	75	6	442
Wind Gen (MU)	9	64	35	-	-	108
Solar Gen (MU)*	43.57	29.81	83.15	4.71	0.04	161
Energy Shortage (MU)	11.1	0.0	0.0	0.0	2.2	13.3
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	41587	45126	41083	16055	2433	138608
Time Of Maximum Demand Met (From NLDC SCADA)	22:29	15:25	14:38	00:00	18:40	22:26

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	0.030	0.00	0.00	3.82	3.82	79.80	16.38

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	5070	0	112.9	89.1	-1.3	109	0.0	
	Haryana	5726	50	109.1	100.5	1.4	364	0.9	
	Rajasthan	9071	0	192.5	77.0	1.1	354	0.0	
	Delhi	3388	0	65.7	54.8	-2.0	0	0.0	
	UP	15278	0	257.6	120.0	-1.4	868	0.2	
	Uttarakhand	1230	0	22.7	6.9	-0.5	142	0.0	
	HP	1022	0	17.4	-0.1	-0.3	99	0.0	
	J&K(UT) & Ladakh(UT)	2091	523	41.9	22.2	0.6	323	9.9	
	Chandigarh	157	0	3.2	3.1	0.1	11	0.0	
	WR	Chhattisgarh	3203	0	65.6	15.0	-1.4	194	0.0
Gujarat		13873	0	303.6	92.8	3.7	482	0.0	
MP		8747	0	186.8	100.2	-2.0	519	0.0	
Maharashtra		19480	0	427.2	187.9	-2.1	487	0.0	
Goa		489	0	10.6	10.3	-0.1	32	0.0	
DD		178	0	3.9	3.7	0.2	29	0.0	
DNH		338	0	7.6	7.6	0.0	27	0.0	
AMNSIL		432	0	1.3	1.2	0.2	123	0.0	
SR		Andhra Pradesh	8762	0	171.7	105.2	0.5	655	0.0
		Telangana	6823	0	141.8	64.0	0.3	607	0.0
	Karnataka	10435	0	205.2	59.4	0.6	535	0.0	
	Kerala	3451	0	69.8	48.2	0.5	185	0.0	
	Tamil Nadu	12289	0	281.7	178.6	-0.4	511	0.0	
	Puducherry	347	0	7.3	7.4	-0.2	49	0.0	
	ER	Bihar	4190	0	71.3	68.7	-1.5	445	0.0
DVC		2051	0	43.1	-18.6	0.5	230	0.0	
Jharkhand		1196	0	21.5	15.2	-2.1	115	0.0	
Odisha		3542	0	72.6	-7.1	0.1	205	0.0	
West Bengal		5620	0	116.0	38.1	1.3	405	0.0	
Sikkim		89	0	1.2	1.5	-0.3	17	0.0	
NER	Arunachal Pradesh	104	1	1.9	1.0	0.8	31	0.0	
	Assam	1439	110	21.8	20.7	-0.1	94	2.0	
	Manipur	185	1	2.2	2.3	-0.2	29	0.0	
	Meghalaya	282	0	4.6	2.5	-0.1	53	0.1	
	Mizoram	96	1	1.7	1.4	0.2	19	0.0	
	Nagaland	113	1	2.0	2.0	-0.1	12	0.0	
	Tripura	265	2	1.4	2.7	-0.2	38	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	16.7	-0.3	-14.2
Day Peak (MW)	974.3	-195.5	-924.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	169.3	-227.0	161.3	-106.5	2.8	-0.2
Actual(MU)	151.8	-238.2	188.6	-107.0	5.0	0.2
OD/UD(MU)	-17.5	-11.2	27.3	-0.5	2.2	0.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL
Central Sector	7248	16643	9112	1730	649	35382
State Sector	19073	22822	13478	7772	11	63156
Total	26321	39464	22590	9502	660	98537

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	303	988	369	383	7	2050
Lignite	22	16	37	0	0	75
Hydro	236	41	84	75	6	443
Nuclear	28	36	52	0	0	116
Gas, Naptha & Diesel	24	72	19	0	24	139
RES (Wind, Solar, Biomass & Others)	78	109	145	5	0	337
Total	691	1262	706	462	37	3158
Share of RES in total generation (%)	11.33	8.64	20.53	1.02	0.11	10.67
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	49.54	14.77	39.82	17.20	16.26	28.35

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.055
Based on State Max Demands	1.090

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: 08-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	6.1	-6.1	
3	765 kV	GAYA-VARANASI	D/C	0	663	0.0	8.1	-8.1	
4	765 kV	SASARAM-FATEHPUR	S/C	59	290	0.0	2.2	-2.2	
5	765 kV	GAYA-BALIA	S/C	0	363	0.0	5.2	-5.2	
6	400 kV	PUSAULI-VARANASI	S/C	0	202	0.0	3.9	-3.9	
7	400 kV	PUSAULI-ALLAHABAD	S/C	0	128	0.0	2.0	-2.0	
8	400 kV	MUZAFFARPUR-GORAKHPUR	D/C	0	746	0.0	9.9	-9.9	
9	400 kV	PATNA-BALIA	Q/C	0	667	0.0	8.8	-8.8	
10	400 kV	BIHARSHARIF-BALIA	D/C	0	356	0.0	5.0	-5.0	
11	400 kV	MOTIHARL-GORAKHPUR	D/C	0	212	0.0	2.9	-2.9	
12	400 kV	BIHARSHARIF-VARANASI	D/C	100	231	0.0	2.0	-2.0	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	173	0.0	3.0	-3.0	
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	1.8	0.0	1.8	
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	1.8	58.9	-57.1
<b>Import/Export of ER (With WR)</b>									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1184	0	19.0	0.0	19.0	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	D/C	420	280	4.3	0.0	4.3	
3	765 kV	JHARSUGUDA-DURG	D/C	0	468	0.0	6.3	-6.3	
4	400 kV	JHARSUGUDA-RAIGARH	Q/C	61	230	0.0	1.5	-1.5	
5	400 kV	RANCHI-SIPAT	D/C	242	138	3.3	0.0	3.3	
6	220 kV	BUDHIPADAR-RAIGARH	S/C	0	106	0.0	1.5	-1.5	
7	220 kV	BUDHIPADAR-KORBA	D/C	161	0	1.9	0.0	1.9	
						ER-WR	28.5	9.3	19.2
<b>Import/Export of ER (With SR)</b>									
1	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0	645	0.0	6.2	-6.2	
2	HVDC	TALCHER-KOLAR BIPOLE	D/C	0	2268	0.0	50.1	-50.1	
3	765 kV	ANGUL-SRIKAKULAM	D/C	0	3281	0.0	69.2	-69.2	
4	400 kV	TALCHER-I/C	D/C	0	960	0.0	6.7	-6.7	
5	220 kV	BALIMELA-UPPER-SILERRU	S/C	1	0	0.0	0.0	0.0	
						ER-SR	0.0	125.4	-125.4
<b>Import/Export of ER (With NER)</b>									
1	400 kV	BINAGURI-BONGAIGAON	D/C	284	2	3.3	0.0	3.3	
2	400 kV	ALIPURDUAR-BONGAIGAON	D/C	366	24	3.8	0.0	3.8	
3	220 kV	ALIPURDUAR-SALAKATI	D/C	63	37	0.5	0.0	0.5	
						ER-NER	7.6	0.0	7.6
<b>Import/Export of NER (With NR)</b>									
1	HVDC	BISWANATH CHARIALI-AGRA'	-	467	0	11.7	0.0	11.7	
						NER-NR	11.7	0.0	11.7
<b>Import/Export of WR (With NR)</b>									
1	HVDC	CHAMPA-KURUKSHETRA	D/C	0	0	0.0	5.7	-5.7	
2	HVDC	V'CHAL B/B	D/C	272	53	0.0	1.1	-1.1	
3	HVDC	APL -MHG	D/C	0	1125	0.0	27.9	-27.9	
4	765 kV	GWALIOR-AGRA	D/C	0	2228	0.0	38.1	-38.1	
5	765 kV	PHAGI-GWALIOR	D/C	0	1439	0.0	27.3	-27.3	
6	765 kV	JABALPUR-ORAI	D/C	0	759	0.0	23.6	-23.6	
7	765 kV	GWALIOR-ORAI	S/C	548	0	10.5	0.0	10.5	
8	765 kV	SATNA-ORAI	S/C	0	1369	0.0	28.8	-28.8	
9	765 kV	CHITORGARH-BANASKANTHA	D/C	428	568	0.0	1.5	-1.5	
10	400 kV	ZERDA-KANKROLI	S/C	235	3	2.9	0.0	2.9	
11	400 kV	ZERDA-BHINMAL	S/C	274	74	2.2	0.0	2.2	
12	400 kV	V'CHAL-RIHAND	S/C	963	0	22.2	0.0	22.2	
13	400 kV	RAPP-SHILJALPUR	D/C	334	12	3.9	0.0	3.9	
14	220 kV	BHANPURA-RANPUR	S/C	50	42	0.1	0.3	-0.2	
15	220 kV	BHANPURA-MORAK	S/C	10	66	0.0	0.8	-0.8	
16	220 kV	MEHGAON-AURAIYA	S/C	88	0	0.9	0.0	0.9	
17	220 kV	MALANPUR-AURAIYA	S/C	57	10	0.4	0.0	0.4	
18	132 kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						WR-NR	43.2	155.0	-111.9
<b>Import/Export of WR (With SR)</b>									
1	HVDC	BHADRAWATI B/B	-	0	989	0.0	23.1	-23.1	
2	HVDC	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
3	765 kV	SOLAPUR-RAICHUR	D/C	0	2098	0.0	36.0	-36.0	
4	765 kV	WARDHA-NIZAMABAE	D/C	0	2611	0.0	51.0	-51.0	
5	400 kV	KOLHAPUR-KUDGI	D/C	273	160	0.4	0.0	0.4	
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	97	1.9	0.0	1.9	
						WR-SR	2.3	110.0	-107.7

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	130	93	83	2.0
	ER	MANGDECHHU (4 x 180) ALIPURDUAR RECEIPT	315	314	254	6.1
	ER	TALA ( 6 * 170 ) BINAGURI RECEIPT	374	355	292	7.0
	NER	132KV-SALAKATI - GELEPHU	16	0	5	0.1
	NER	132KV-RANGIA - DEOTHANG	0	0	28	0.7
NEPAL	NR	132KV-Tanakpur(NH) - Mahendranagar(PG)	0	0	0	0.0
	ER	132KV-BIHAR - NEPAL	-63	-1	-6	-0.1
	ER	220KV-MUZAFFARPUR - DHALKEBAR DC	-90	-2	-6	-0.1
BANGLADESH	ER	Bheramara HVDC(Bangladesh)	-796	-252	-435	-10.4
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	64	0	-79	-1.9
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	64	0	-78	-1.9