



**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: 18<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 17.05.2020.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.5.5.1 के प्रावधान के अनुसार, दिनांक 17-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 17<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: 18-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)	43674	40093	32707	19517	2433	138424
Peak Shortage (MW)	540	0	0	0	44	584
Energy Met (MU)	1016	1021	862	411	39	3349
Hydro Gen (MU)	276	40	71	83	12	482
Wind Gen (MU)	14	80	54	-	-	148
Solar Gen (MU)*	41.00	26.50	73.23	4.94	0.04	146
Energy Shortage (MU)	10.5	0.1	0.0	0.0	2.2	12.7
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	47328	45185	38347	20316	2461	146252
Time Of Maximum Demand Met (From NLDC SCADA)	21:48	15:32	14:00	23:10	19:41	00:01

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	0.031	0.00	0.24	1.79	2.04	75.53	22.43

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	6716	0	135.7	107.1	-1.0	76	0.0
	Haryana	6287	0	128.2	116.6	0.6	263	0.0
	Rajasthan	10743	0	220.8	78.5	-0.1	582	0.0
	Delhi	3968	0	75.7	59.8	-2.1	49	0.3
	UP	18964	0	361.1	181.2	2.8	797	0.0
	Uttarakhand	1339	0	28.0	12.2	0.0	132	0.0
	HP	1031	0	20.6	-0.3	-0.7	108	0.0
	J&K(UT) & Ladakh(UT)	2192	548	43.0	23.4	0.1	213	10.2
WR	Chandigarh	172	0	3.4	3.6	-0.1	18	0.0
	Chhattisgarh	3377	0	75.7	24.2	-0.6	254	0.0
	Gujarat	13469	0	299.7	84.6	3.6	524	0.0
	MP	9109	0	204.5	118.5	-2.1	412	0.0
	Maharashtra	18308	0	404.9	138.6	-0.5	452	0.0
	Goa	465	0	9.1	9.0	-0.3	54	0.1
	DD	174	0	3.8	3.7	0.1	0	0.0
	DNH	316	0	7.3	7.4	-0.1	21	0.0
SR	AMNSIL	753	0	16.3	4.2	0.5	292	0.0
	Andhra Pradesh	9055	0	177.6	98.3	1.8	837	0.0
	Telangana	6587	0	144.2	57.1	-0.5	417	0.0
	Karnataka	9845	0	192.5	59.3	1.6	636	0.0
	Kerala	2860	0	63.7	43.5	0.1	163	0.0
	Tamil Nadu	11886	0	277.3	139.7	-0.6	679	0.0
	Puducherry	335	0	6.8	7.1	-0.3	22	0.0
	ER	Bihar	5265	0	101.6	95.4	-2.1	173
DVC		2437	0	51.4	-28.3	0.8	265	0.0
Jharkhand		1369	0	26.3	18.7	-0.8	165	0.0
Odisha		3850	0	81.3	8.1	0.9	271	0.0
West Bengal		7730	0	149.0	36.7	1.6	403	0.0
NER	Sikkim	83	0	0.9	1.4	-0.5	14	0.0
	Arunachal Pradesh	110	1	1.9	1.9	-0.1	43	0.0
	Assam	1469	19	21.5	16.8	0.0	113	2.0
	Manipur	181	2	2.4	2.4	0.0	31	0.0
	Meghalaya	279	0	4.8	3.9	-0.3	20	0.1
	Mizoram	98	0	1.5	1.5	-0.2	28	0.0
	Nagaland	118	0	2.2	2.1	0.0	8	0.0
Tripura	274	3	4.6	5.7	-0.2	59	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	23.1	-0.6	-26.2
Day Peak (MW)	1317.0	-151.5	-1143.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	229.9	-280.5	132.4	-82.2	0.4	0.0
Actual(MU)	220.3	-277.4	135.4	-76.8	-1.9	-0.4
O/D/U/D(MU)	-9.6	3.1	2.9	5.4	-2.2	-0.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL
Central Sector	5825	15678	9942	1721	649	33815
State Sector	18170	22738	10488	5302	11	56709
Total	23995	38415	20430	7023	660	90523

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	368	1025	410	435	7	2245
Lignite	22	15	31	0	0	68
Hydro	276	40	71	83	12	482
Nuclear	27	33	47	0	0	107
Gas, Naptha & Diesel	34	74	18	0	28	154
RES (Wind, Solar, Biomass & Others)	82	124	165	5	0	376
Total	810	1311	742	523	47	3433

Share of RES in total generation (%)	10.07	9.48	22.22	0.95	0.09	10.95
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	47.55	15.02	38.23	16.73	24.93	28.11

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.050
Based on State Max Demands	1.102

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: 18-May-2020

SI 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	22	539	0.0	6.5	-6.5	
4	765 kV	SASARAM-FATEHPUR	S/C	329	227	0.0	0.0	0.0	
5	765 kV	GAYA-BALIA	S/C	0	342	0.0	5.9	-5.9	
6	400 kV	PUSAULI-VARANASI	S/C	0	255	0.0	4.8	-4.8	
7	400 kV	PUSAULI-ALLAHABAD	S/C	0	122	0.0	1.2	-1.2	
8	400 kV	MUZAFFARPUR-GORAKHPUR	D/C	0	749	0.0	10.0	-10.0	
9	400 kV	PATNA-BALIA	Q/C	0	659	0.0	11.2	-11.2	
10	400 kV	BIHARSHARIFF-BALIA	D/C	50	236	0.0	2.3	-2.3	
11	400 kV	MOTIHARI-GORAKHPUR	D/C	0	326	0.0	5.2	-5.2	
12	400 kV	BIHARSHARIFF-VARANASI	D/C	242	231	0.0	0.2	-0.2	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	232	0.0	4.1	-4.1	
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	0.5	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	57.5	-57.0
<b>Import/Export of ER (With WR)</b>									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1193	0	17.9	0.0	17.9	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	D/C	1171	0	13.3	0.0	13.3	
3	765 kV	JHARSUGUDA-DURG	D/C	129	200	0.0	0.8	-0.8	
4	400 kV	JHARSUGUDA-RAIGARH	Q/C	181	48	1.5	0.0	1.5	
5	400 kV	RANCHI-SIPAT	D/C	427	0	5.6	0.0	5.6	
6	220 kV	BUDHIPADAR-RAIGARH	S/C	25	95	0.0	1.1	-1.1	
7	220 kV	BUDHIPADAR-KORBA	D/C	155	0	2.4	0.0	2.4	
						ER-WR	40.7	1.9	38.8
<b>Import/Export of ER (With SR)</b>									
1	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0	421	0.0	8.7	-8.7	
2	HVDC	TALCHER-KOLAR BIPOLE	D/C	0	1977	0.0	33.9	-33.9	
3	765 kV	ANGUL-SRIKAKULAM	D/C	0	2632	0.0	54.3	-54.3	
4	400 kV	TALCHER-I/C	D/C	917	189	8.9	0.0	8.9	
5	220 kV	BALIMELA-UPPER-SILERRU	S/C	1	0	0.0	0.0	0.0	
						ER-SR	0.0	96.9	-96.9
<b>Import/Export of ER (With NER)</b>									
1	400 kV	BINAGURI-BONGAIGAON	D/C	150	346	0.0	2.8	-2.8	
2	400 kV	ALIPURDUAR-BONGAIGAON	D/C	104	509	0.0	5.7	-5.7	
3	220 kV	ALIPURDUAR-SALAKATI	D/C	29	106	0.0	1.3	-1.3	
						ER-NER	0.0	9.8	-9.8
<b>Import/Export of NER (With NR)</b>									
1	HVDC	BISWANATH CHARIALI-AGRA	-	0	501	0.0	11.4	-11.4	
						NER-NR	0.0	11.4	-11.4
<b>Import/Export of WR (With NR)</b>									
1	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1805	0.0	38.7	-38.7	
2	HVDC	V'CHAL B/B	D/C	273	0	6.5	0.0	6.5	
3	HVDC	APL -MHG	D/C	0	1547	0.0	30.4	-30.4	
4	765 kV	GWALIOR-AGRA	D/C	0	2488	0.0	44.9	-44.9	
5	765 kV	PHAGI-GWALIOR	D/C	0	1010	0.0	19.5	-19.5	
6	765 kV	JABALPUR-ORAI	D/C	0	812	0.0	28.6	-28.6	
7	765 kV	GWALIOR-ORAI	S/C	490	0	10.1	0.0	10.1	
8	765 kV	SATNA-ORAI	S/C	0	1423	0.0	29.0	-29.0	
9	765 kV	CHITORGARH-BANASKANTHA	D/C	81	760	0.0	7.4	-7.4	
10	400 kV	ZERDA-KANKROLI	S/C	117	65	0.9	0.0	0.9	
11	400 kV	ZERDA -BHINMAL	S/C	249	179	0.1	0.0	0.1	
12	400 kV	V'CHAL -RIHAND	S/C	986	0	23.0	0.0	23.0	
13	400 kV	RAPP-SHUJALPUR	D/C	108	211	0.0	0.6	-0.6	
14	220 kV	BHANPURA-RANPUR	S/C	12	71	1.8	0.8	1.0	
15	220 kV	BHANPURA-MORAK	S/C	0	111	0.0	0.2	-0.2	
16	220 kV	MEHGAON-AURAIYA	S/C	84	0	0.1	0.1	0.0	
17	220 kV	MALANPUR-AURAIYA	S/C	51	24	0.5	0.0	0.5	
18	132 kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						WR-NR	43.0	200.1	-157.1
<b>Import/Export of WR (With SR)</b>									
1	HVDC	BHADRAWATI B/B	-	0	999	0.0	19.9	-19.9	
2	HVDC	BARSUR-SILERU	-	0	0	0.0	0.0	0.0	
3	765 kV	SOLAPUR-RAICHUR	D/C	0	1805	0.0	24.8	-24.8	
4	765 kV	WARDHA-NIZAMABAD	D/C	0	2137	0.0	38.3	-38.3	
5	400 kV	KOLHAPUR-KUDGI	D/C	375	274	1.7	1.3	0.4	
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	93	1.9	0.0	1.9	
						WR-SR	3.5	84.2	-80.7

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	133	117	106	2.6
	ER	MANGDECHHU (4 x 180) ALIPURDUAR RECEIPT	587	421	367	8.8
	ER	TALA ( 6 * 170 ) BINAGURI RECEIPT	441	419	403	9.7
	NER	132KV-SALAKATI - GELEPHU	0	0	5	0.1
	NER	132KV-RANGIA - DEOTHANG	0	0	37	0.9
NEPAL	NR	132KV-Tanakpur(NH) - Mahendranagar(PG)	0	0	0	-0.2
	ER	132KV-BIHAR - NEPAL	-4	-1	-3	-0.1
	ER	220KV-MUZAFFARPUR - DHALKEBAR DC	-132	0	-14	-0.3
BANGLADESH	ER	Bheramara HVDC(Bangladesh)	-959	-758	-930	-22.3
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	93	0	-80	-1.9
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	91	0	-80	-1.9