



**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: 14<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 13.05.2020.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.5.5.1 के प्रावधान के अनुसार, दिनांक 13-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 13<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: 14-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)	41215	39066	37180	18614	2185	138260
Peak Shortage (MW)	536	0	0	0	309	845
Energy Met (MU)	931	1030	922	392	39	3313
Hydro Gen (MU)	256	49	82	67	6	461
Wind Gen (MU)	25	50	21	-	-	96
Solar Gen (MU)*	39.18	26.40	77.30	4.92	0.02	148
Energy Shortage (MU)	10.6	0.0	0.0	0.0	3.1	13.6
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	43775	45917	42833	19009	2219	146543
Time Of Maximum Demand Met (From NLDC SCADA)	22:15	14:47	14:40	22:44	19:01	22:40

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	0.022	0.00	0.00	1.49	1.49	80.06	18.45

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	5786	0	123.5	93.8	0.4	271	0.0
	Haryana	5778	70	121.8	116.2	1.5	310	0.4
	Rajasthan	9603	0	203.5	66.6	0.2	399	0.0
	Delhi	3702	0	73.1	58.8	-2.1	21	0.0
	UP	15988	0	312.5	160.8	1.0	1168	0.0
	Uttarakhand	1411	0	28.6	11.7	0.9	136	0.0
	HP	1137	0	21.4	0.9	0.5	123	0.0
	J&K(UT) & Ladakh(UT)	2189	547	43.2	24.0	-0.4	180	10.2
WR	Chandigarh	158	0	3.4	3.4	0.0	23	0.0
	Chhattisgarh	3355	0	75.0	21.1	-0.9	229	0.0
	Gujarat	13926	0	301.9	105.4	2.8	532	0.0
	MP	8830	0	196.0	114.3	-1.7	491	0.0
	Maharashtra	19371	0	421.3	158.1	-2.5	442	0.0
	Goa	475	0	9.9	9.4	0.0	69	0.0
	DD	197	0	4.3	4.2	0.1	26	0.0
	DNH	347	0	7.9	8.0	-0.1	41	0.0
SR	AMNSIL	567	0	13.2	4.7	0.1	153	0.0
	Andhra Pradesh	9075	0	180.5	113.8	-0.3	358	0.0
	Telangana	7071	0	150.8	55.3	0.8	400	0.0
	Karnataka	10751	0	214.7	67.3	1.9	477	0.0
	Kerala	3450	0	72.7	49.2	0.7	317	0.0
	Tamil Nadu	13073	0	296.1	187.3	-0.3	327	0.0
ER	Puducherry	359	0	7.2	7.6	-0.4	32	0.0
	Bihar	5192	0	97.7	89.3	0.0	248	0.0
	DVC	2350	0	48.7	-30.0	0.2	300	0.0
	Jharkhand	1291	0	23.5	16.5	-1.7	121	0.0
	Odisha	3843	0	80.4	2.3	1.2	323	0.0
NER	West Bengal	6733	0	140.3	39.8	0.9	273	0.0
	Sikkim	105	0	1.4	1.4	-0.1	61	0.0
	Arunachal Pradesh	100	11	2.0	1.8	-0.1	21	0.0
	Assam	1261	250	21.6	17.3	-1.0	78	2.9
	Manipur	154	8	2.5	2.3	0.3	15	0.0
	Meghalaya	272	5	4.7	3.7	-0.3	37	0.1
	Mizoram	91	5	1.5	1.4	-0.1	13	0.0
Nagaland	143	4	2.1	2.2	-0.2	27	0.0	
Tripura	253	8	4.6	5.2	-0.4	29	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	12.5	-1.8	-22.6
Day Peak (MW)	970.0	-223.2	-1108.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	206.2	-272.6	160.9	-95.9	3.0	1.7
Actual(MU)	198.3	-290.2	173.0	-91.4	0.1	-10.2
O/D/U/D(MU)	-7.9	-17.6	12.0	4.5	-2.9	-11.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL
Central Sector	5955	16143	8442	2356	615	33510
State Sector	19545	22642	11368	5602	11	59168
Total	25500	38784	19810	7958	626	92678

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	319	1061	443	450	10	2283
Lignite	24	15	39	0	0	78
Hydro	256	49	82	67	6	461
Nuclear	27	33	50	0	0	110
Gas, Naptha & Diesel	32	70	20	0	29	151
RES (Wind, Solar, Biomass & Others)	90	92	133	5	0	319
Total	747	1319	767	522	45	3401

Share of RES in total generation (%)	12.01	6.97	17.29	0.95	0.04	9.39
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	49.92	13.18	34.52	13.85	13.26	26.17

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.049
Based on State Max Demands	1.081

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: 14-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	248	0.0	6.2	-6.2	
3	765 kV	GAYA-VARANASI	D/C	0	576	0.0	7.6	-7.6	
4	765 kV	SASARAM-FATEHPUR	S/C	168	254	0.0	1.4	-1.4	
5	765 kV	GAYA-BALIA	S/C	0	455	0.0	7.9	-7.9	
6	400 kV	PUSAULI-VARANASI	S/C	0	231	0.0	4.3	-4.3	
7	400 kV	PUSAULI-ALLAHABAD	S/C	0	136	0.0	1.8	-1.8	
8	400 kV	MUZAFFARPUR-GORAKHPUR	D/C	7	673	0.0	7.6	-7.6	
9	400 kV	PATNA-BALIA	Q/C	0	537	0.0	7.4	-7.4	
10	400 kV	BIHARSHARIFF-BALIA	D/C	0	317	0.0	3.4	-3.4	
11	400 kV	MOTIHARI-GORAKHPUR	D/C	0	235	0.0	4.7	-4.7	
12	400 kV	BIHARSHARIFF-VARANASI	D/C	201	160	0.3	0.0	0.3	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	166	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	0.4	0.0	0.4	
16	132 kV	KARMANASA-SAHUPURI	S/C	0	0	0.0	0.0	0.0	
17	132 kV	KARMANASA-CHANDAUJI	S/C	0	0	0.0	0.0	0.0	
						ER-NR	0.7	55.1	-54.5
<b>Import/Export of ER (With WR)</b>									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1270	0	21.6	0.0	21.6	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	D/C	1012	0	15.5	0.0	15.5	
3	765 kV	JHARSUGUDA-DURG	D/C	85	174	0.0	1.0	-1.0	
4	400 kV	JHARSUGUDA-RAIGARH	Q/C	179	68	1.5	0.0	1.5	
5	400 kV	RANCHI-SIPAT	D/C	362	1	6.4	0.0	6.4	
6	220 kV	BUDHIPADAR-RAIGARH	S/C	0	92	0.0	1.3	-1.3	
7	220 kV	BUDHIPADAR-KORBA	D/C	174	0	3.2	0.0	3.2	
						ER-WR	48.2	2.3	45.9
<b>Import/Export of ER (With SR)</b>									
1	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0	493	0.0	8.6	-8.6	
2	HVDC	TALCHER-KOLAR BIPOLE	D/C	0	2458	0.0	49.3	-49.3	
3	765 kV	ANGUL-SRIKAKULAM	D/C	0	3352	0.0	67.2	-67.2	
4	400 kV	TALCHER-I/C	D/C	0	629	0.0	4.1	-4.1	
5	220 kV	BALIMELA-UPPER-SILERRU	S/C	1	0	0.0	0.0	0.0	
						ER-SR	0.0	125.2	-125.2
<b>Import/Export of ER (With NER)</b>									
1	400 kV	BINAGURI-BONGAIGAON	D/C	62	244	0.0	2.6	-2.6	
2	400 kV	ALIPURDUAR-BONGAIGAON	D/C	58	356	0.0	5.4	-5.4	
3	220 kV	ALIPURDUAR-SALAKATI	D/C	30	77	0.0	0.8	-0.8	
						ER-NER	0.0	8.8	-8.8
<b>Import/Export of NER (With NR)</b>									
1	HVDC	BISWANATH CHARIALI-AGRA	-	1	504	0.0	8.3	-8.3	
						NER-NR	0.0	8.3	-8.3
<b>Import/Export of WR (With NR)</b>									
1	HVDC	CHAMPA-KURUKSHETRA	D/C	0	601	0.0	16.1	-16.1	
2	HVDC	V'CHAL B/B	D/C	51	0	1.3	0.0	1.3	
3	HVDC	APL -MHG	D/C	0	1549	0.0	38.7	-38.7	
4	765 kV	GWALIOR-AGRA	D/C	0	2619	0.0	48.8	-48.8	
5	765 kV	PHAGI-GWALIOR	D/C	0	1325	0.0	23.3	-23.3	
6	765 kV	JABALPUR-ORAI	D/C	0	919	0.0	31.4	-31.4	
7	765 kV	GWALIOR-ORAI	S/C	563	0	10.0	0.0	10.0	
8	765 kV	SATNA-ORAI	S/C	0	1528	0.0	33.1	-33.1	
9	765 kV	CHITORGARH-BANASKANTHA	D/C	682	485	3.7	1.7	2.0	
10	400 kV	ZERDA-KANKROLI	S/C	279	1	3.6	0.0	3.6	
11	400 kV	ZERDA -BHINMAL	S/C	482	57	5.0	0.0	5.0	
12	400 kV	V'CHAL -RIHAND	S/C	971	0	22.3	0.0	22.3	
13	400 kV	RAPP-SHUJALPUR	D/C	211	202	1.1	1.3	-0.2	
14	220 kV	BHANPURA-RANPUR	S/C	61	64	0.6	0.7	-0.1	
15	220 kV	BHANPURA-MORAK	S/C	13	67	0.0	0.2	-0.2	
16	220 kV	MEHGAON-AURAIYA	S/C	89	15	0.1	0.0	0.1	
17	220 kV	MALANPUR-AURAIYA	S/C	58	23	0.6	0.0	0.6	
18	132 kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						WR-NR	48.3	195.4	-147.1
<b>Import/Export of WR (With SR)</b>									
1	HVDC	BHADRAWATI B/B	-	0	1002	0.0	23.6	-23.6	
2	HVDC	BARSUR-LSILERU	-	0	0	0.0	0.0	0.0	
3	765 kV	SOLAPUR-RAICHUR	D/C	0	2160	0.0	28.5	-28.5	
4	765 kV	WARDHA-NIZAMABAD	D/C	0	2487	0.0	43.9	-43.9	
5	400 kV	KOLHAPUR-KUDGI	D/C	320	199	1.3	0.9	0.3	
6	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
7	220 kV	PONDA-AMBEWADI	S/C	0	72	0.0	1.4	-1.4	
8	220 kV	XELDEM-AMBEWADI	S/C	0	97	2.0	0.0	2.0	
						WR-SR	3.2	98.3	-95.1

**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	43	29	17	0.4
	ER	MANGDECHHU (4 x 180) ALIPURDUAR RECEIPT	253	200	228	5.5
	ER	TALA ( 6 * 170 ) BINAGURI RECEIPT	519	415	239	5.7
	NER	132KV-SALAKATI - GELEPHU	7	0	-1	0.0
	NER	132KV-RANGIA - DEOTHANG	17	0	20	0.5
NEPAL	NR	132KV-Tanakpur(NH) - Mahendranagar(PG)	0	0	0	0.0
	ER	132KV-BIHAR - NEPAL	-119	-2	-58	-1.4
	ER	220KV-MUZAFFARPUR - DHALKEBAR DC	-104	-4	-18	-0.4
BANGLADESH	ER	Bheramara HVDC(Bangladesh)	-942	-394	-795	-19.1
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	83	0	-73	-1.8
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	83	0	-73	-1.8