



**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: 31<sup>st</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 30.05.2020.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.5.5.1 के प्रावधान के अनुसार, दिनांक 30-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 30<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: 31-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)	37932	43829	37211	17068	2472	138512
Peak Shortage (MW)	463	0	0	0	7	470
Energy Met (MU)	956	1111	919	375	43	3403
Hydro Gen (MU)	286	34	81	97	17	515
Wind Gen (MU)	22	111	56	-	-	190
Solar Gen (MU)*	36.26	26.48	72.53	5.12	0.03	140
Energy Shortage (MU)	10.0	0.0	0.0	0.0	0.0	10.0
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	43251	50283	42324	18133	2518	153472
Time Of Maximum Demand Met (From NLDC SCADA)	14:41	15:36	14:51	00:00	19:05	14:43

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	0.033	0.00	0.57	5.69	6.26	83.72	10.02

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	6508	0	143.9	112.8	-1.5	365	0.0
	Haryana	5668	0	119.6	105.9	0.1	267	0.0
	Rajasthan	10488	0	197.7	57.8	-5.8	319	0.0
	Delhi	4075	0	81.8	72.9	-2.8	96	0.0
	UP	15513	0	311.1	156.6	0.1	584	0.0
	Uttarakhand	1495	0	32.4	15.7	-0.5	81	0.0
	HP	1254	0	23.4	0.0	1.4	382	0.0
	J&K(UT) & Ladakh(UT)	2065	516	42.2	18.6	0.6	219	10.0
WR	Chandigarh	188	0	4.0	4.5	-0.6	1	0.0
	Chhattisgarh	3501	0	74.6	24.5	-0.9	413	0.0
	Gujarat	15578	0	326.6	80.2	4.6	824	0.0
	MP	9314	0	206.1	94.9	0.1	732	0.0
	Maharashtra	20844	0	461.3	147.6	6.7	1545	0.0
	Goa	478	0	10.6	10.3	-0.2	68	0.0
	DD	222	0	4.8	4.5	0.3	30	0.0
	DNH	415	0	9.3	9.1	0.3	79	0.0
SR	AMNSIL	771	0	17.6	1.4	0.4	233	0.0
	Andhra Pradesh	9188	0	186.4	110.3	2.4	937	0.0
	Telangana	7876	0	164.0	65.4	-1.4	422	0.0
	Karnataka	9292	0	183.5	63.0	-0.1	519	0.0
	Kerala	3197	0	70.5	46.7	0.5	197	0.0
	Tamil Nadu	13611	0	306.6	153.4	-1.7	619	0.0
	Puducherry	377	0	8.0	8.5	-0.6	32	0.0
	ER	Bihar	4826	0	91.0	86.1	-1.6	269
DVC		2523	0	53.2	-38.1	-0.1	239	0.0
Jharkhand		1303	0	24.9	17.2	-1.4	104	0.0
Odisha		3929	0	75.1	3.6	-0.9	175	0.0
West Bengal		6222	0	129.5	47.3	2.6	446	0.0
NER	Sikkim	87	0	1.2	1.4	-0.2	16	0.0
	Arunachal Pradesh	106	1	1.9	1.4	0.4	43	0.0
	Assam	1553	3	25.6	21.2	0.2	147	0.0
	Manipur	176	1	2.5	2.2	0.3	33	0.0
	Meghalaya	325	0	5.4	0.7	-0.3	53	0.0
	Mizoram	86	1	1.7	1.4	0.3	13	0.0
	Nagaland	117	1	2.0	2.0	-0.2	8	0.0
Tripura	242	2	3.6	3.8	-0.6	19	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	32.0	-0.3	-20.7
Day Peak (MW)	1470.2	-122.7	-1095.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	197.8	-221.7	127.6	-97.5	-6.2	0.0
Actual(MU)	173.1	-216.2	142.5	-97.8	-4.8	-3.2
O/D/U/D(MU)	-24.7	5.6	14.9	-0.3	1.4	-3.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL
Central Sector	4885	20044	7762	1645	344	34679
State Sector	16690	19390	11058	5146	11	52295
Total	21575	39434	18820	6791	355	86974

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	361	1000	427	409	8	2206
Lignite	20	16	39	0	0	74
Hydro	286	34	81	97	17	515
Nuclear	27	36	54	0	0	118
Gas, Naptha & Diesel	27	80	17	0	28	152
RES (Wind, Solar, Biomass & Others)	84	162	170	5	0	421
Total	804	1330	788	511	53	3486

Share of RES in total generation (%)	10.45	12.21	21.54	1.01	0.06	12.09
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	49.35	17.53	38.74	19.95	31.36	30.23

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.020
Based on State Max Demands	1.065

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: 31-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	700	0.0	9.7	-9.7	
2	HVDC	PUSAULI B/B	S/C	0	249	0.0	6.3	-6.3	
3	765 kV	GAYA-VARANASI	D/C	116	404	0.0	3.2	-3.2	
4	765 kV	SASARAM-FATEHPUR	S/C	188	192	1.5	0.0	1.5	
5	765 kV	GAYA-BALIA	S/C	0	280	0.0	4.6	-4.6	
6	400 kV	PUSAULI-VARANASI	S/C	0	219	0.0	4.5	-4.5	
7	400 kV	PUSAULI-ALLAHABAD	S/C	0	128	0.0	1.6	-1.6	
8	400 kV	MUZAFFARPUR-GORAKHPUR	D/C	0	616	0.0	9.3	-9.3	
9	400 kV	PATNA-BALIA	Q/C	0	770	0.0	12.8	-12.8	
10	400 kV	BIHARSHARIFF-BALIA	D/C	20	272	0.0	3.8	-3.8	
11	400 kV	MOTIHARI-GORAKHPUR	D/C	0	295	0.0	4.5	-4.5	
12	400 kV	BIHARSHARIFF-VARANASI	D/C	221	160	0.7	0.0	0.7	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	164	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	0.5	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	
						<b>ER-NR</b>	<b>2.6</b>	<b>63.4</b>	<b>-60.8</b>
<b>Import/Export of ER (With WR)</b>									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1496	0	25.3	0.0	25.3	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	D/C	554	348	3.8	0.0	3.8	
3	765 kV	JHARSUGUDA-DURG	D/C	65	188	0.0	1.6	-1.6	
4	400 kV	JHARSUGUDA-RAIGARH	Q/C	126	157	0.2	0.0	0.2	
5	400 kV	RANCHI-SIPAT	D/C	236	63	3.5	0.0	3.5	
6	220 kV	BUDHIPADAR-RAIGARH	S/C	0	95	0.0	1.3	-1.3	
7	220 kV	BUDHIPADAR-KORBA	D/C	151	0	2.5	0.0	2.5	
						<b>ER-WR</b>	<b>35.2</b>	<b>2.9</b>	<b>32.3</b>
<b>Import/Export of ER (With SR)</b>									
1	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0	437	0.0	10.0	-10.0	
2	HVDC	TALCHER-KOLAR BIPOLE	D/C	0	1991	0.0	48.0	-48.0	
3	765 kV	ANGUL-SRIKAKULAM	D/C	0	2987	0.0	54.5	-54.5	
4	400 kV	TALCHER-I/C	D/C	0	930	0.0	5.5	-5.5	
5	220 kV	BALIMELA-UPPER-SILERRU	S/C	1	0	0.0	0.0	0.0	
						<b>ER-SR</b>	<b>0.0</b>	<b>112.5</b>	<b>-112.5</b>
<b>Import/Export of ER (With NER)</b>									
1	400 kV	BINAGURI-BONGAIGAON	D/C	76	275	0.0	1.1	-1.1	
2	400 kV	ALIPURDUAR-BONGAIGAON	D/C	93	388	0.0	2.3	-2.3	
3	220 kV	ALIPURDUAR-SALAKATI	D/C	7	89	0.0	0.7	-0.7	
						<b>ER-NER</b>	<b>0.0</b>	<b>4.1</b>	<b>-4.1</b>
<b>Import/Export of ER (With NR)</b>									
1	HVDC	BISWANATH CHARIALI-AGRA	-	0	704	0.0	10.3	-10.3	
						<b>NR-NR</b>	<b>0.0</b>	<b>10.3</b>	<b>-10.3</b>
<b>Import/Export of WR (With NR)</b>									
1	HVDC	CHAMPA-KURUKSHETRA	D/C	0	605	0.0	29.6	-29.6	
2	HVDC	V'CHAL B/B	D/C	48	506	0.3	9.4	-9.1	
3	HVDC	APL -MHG	D/C	0	1454	0.0	33.4	-33.4	
4	765 kV	GWALIOR-AGRA	D/C	0	1505	0.0	19.8	-19.8	
5	765 kV	PHAGI-GWALIOR	D/C	51	709	0.0	8.4	-8.4	
6	765 kV	JABALPUR-ORAI	D/C	0	459	0.0	14.3	-14.3	
7	765 kV	GWALIOR-ORAI	S/C	332	0	4.0	0.0	4.0	
8	765 kV	SATNA-ORAI	S/C	0	1073	0.0	20.4	-20.4	
9	765 kV	CHITORGARH-BANASKANTHA	D/C	305	691	0.0	5.5	-5.5	
10	400 kV	ZERDA-KANKROLI	S/C	198	1	2.0	0.0	2.0	
11	400 kV	ZERDA -BHINMAL	S/C	349	47	3.0	0.0	3.0	
12	400 kV	V'CHAL -RIHAND	S/C	976	0	20.6	0.0	20.6	
13	400 kV	RAPP-SHUJALPUR	D/C	251	0	2.7	0.0	2.7	
14	220 kV	BHANPURA-RANPUR	S/C	48	6	0.8	2.0	-1.2	
15	220 kV	BHANPURA-MORAK	S/C	5	80	0.0	0.0	0.0	
16	220 kV	MEHGAON-AURAIYA	S/C	145	0	0.0	0.0	0.0	
17	220 kV	MALANPUR-AURAIYA	S/C	0	0	0.0	0.0	0.0	
18	132 kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
19	132 kV	RAJGHAT-LALITPUR	D/C	0	0	0.0	0.0	0.0	
						<b>WR-NR</b>	<b>33.3</b>	<b>142.7</b>	<b>-109.4</b>
<b>Import/Export of WR (With SR)</b>									
1	HVDC	BHADRAWATI B/B	-	0	518	0.0	12.2	-12.2	
2	HVDC	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
3	HVDC	HVDC-RAIGARH-PUGALUR	D/C	0	0	0.0	0.0	0.0	
4	765 kV	SOLAPUR-RAICHUR	D/C	450	2279	0.0	21.9	-21.9	
5	765 kV	WARDHA-NIZAMABAD	D/C	0	2956	0.0	44.6	-44.6	
6	400 kV	KOLHAPUR-KUDGI	D/C	432	68	3.8	0.0	3.8	
7	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
8	220 kV	PONDA-AMBEWADI	S/C	1	0	0.0	0.0	0.0	
9	220 kV	XELDEM-AMBEWADI	S/C	0	102	2.0	0.0	2.0	
						<b>WR-SR</b>	<b>5.8</b>	<b>78.7</b>	<b>-72.9</b>
<b>INTERNATIONAL EXCHANGES</b>									
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	180	168	148	3.5			
	ER	MANGDECHHU (4 x 180) ALIPURDUAR RECEIPT	503	443	446	10.7			
	ER	TALA ( 6 * 170 ) BINAGURI RECEIPT	631	625	609	14.6			
	NER	132KV-SALAKATI - GELEPHU	0	0	22	0.5			
	NER	132KV-RANGIA - DEOTHANG	0	0	45	1.1			
NEPAL	NR	132KV-Tanakpur(NH) - Mahendranagar(PG)	0	0	0	-0.1			
	ER	132KV-BIHAR - NEPAL	-7	-1	-4	-0.1			
	ER	220KV-MUZAFFARPUR - DHALKEBAR DC	-96	-2	-3	-0.1			
BANGLADESH	ER	Bheramara HVDC(Bangladesh)	-950	-560	-751	-18.0			
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	72	0	-55	-1.3			
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	73	0	-55	-1.3			