



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: 28<sup>th</sup> May 2020

To,

- कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के.,14, गोल्फ क्लब रोड, कोलकाता - 700033  
Executive Director, ERLDC, 14 Golf Club Road, Tollygunge, Kolkata, 700033
- 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
- 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
- कार्यकारी निदेशक, ऊ.पू.क्षे.भा.प्रे.के., डोंगतिह, लोअर नोंग्रह, लापलंग, शिलोंग - 793006  
Executive Director, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
- 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 27.05.2020.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 27-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 27<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: 28-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)	48159	43718	37898	16112	2060	147947
Peak Shortage (MW)	417	0	0	0	71	488
Energy Met (MU)	1225	1129	969	351	30	3705
Hydro Gen (MU)	296	26	70	114	19	526
Wind Gen (MU)	45	154	102	-	-	301
Solar Gen (MU)*	42.57	28.20	80.46	4.73	0.01	156
Energy Shortage (MU)	10.4	0.0	0.0	0.0	0.1	10.5
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	54808	49680	45168	18724	1946	164009
Time Of Maximum Demand Met (From NLDC SCADA)	00:01	15:19	15:33	00:00	20:28	15:33

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	0.041	0.00	0.00	1.64	1.64	66.58	31.78

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	8197	0	182.7	139.7	-1.1	147	0.0
	Haryana	7602	0	168.2	129.9	1.1	257	0.0
	Rajasthan	11961	0	260.7	78.6	-0.1	452	0.0
	Delhi	5423	0	110.4	93.2	-2.6	119	0.4
	UP	19763	0	395.3	192.0	-0.1	541	0.0
	Uttarakhand	1762	0	35.5	18.2	-0.3	213	0.0
	HP	1312	0	25.6	1.0	1.1	140	0.0
	J&K(UT) & Ladakh(UT)	2112	528	41.3	18.5	1.4	440	10.0
	Chandigarh	297	0	5.5	5.7	-0.2	40	0.0
	Chhattisgarh	3736	0	86.7	36.0	-0.9	138	0.0
WR	Gujarat	15075	0	321.1	48.2	3.5	777	0.0
	MP	9956	0	218.3	103.6	-1.8	409	0.0
	Maharashtra	20946	0	460.7	169.5	-0.5	563	0.0
	Goa	480	0	10.8	10.5	-0.2	34	0.0
	DD	223	0	4.8	4.5	0.3	32	0.0
	DNH	413	0	9.2	9.3	-0.1	3	0.0
	AMNSIL	776	0	17.3	4.2	0.1	248	0.0
SR	Andhra Pradesh	10101	0	194.8	100.8	0.5	521	0.0
	Telangana	8598	0	176.9	69.9	0.5	503	0.0
	Karnataka	9649	0	187.0	59.8	1.6	633	0.0
	Kerala	3639	0	77.7	53.7	1.2	211	0.0
	Tamil Nadu	14258	0	324.6	153.2	-2.0	658	0.0
	Puducherry	390	0	8.2	8.6	-0.4	44	0.0
ER	Bihar	4803	0	79.3	79.0	-5.9	284	0.0
	DVC	2621	0	53.8	-33.3	1.0	323	0.0
	Jharkhand	1342	0	24.4	18.5	-2.9	78	0.0
	Odisha	4163	0	88.2	11.5	1.2	293	0.0
	West Bengal	6036	0	104.5	34.8	1.2	470	0.0
NER	Sikkim	95	0	1.2	1.5	-0.3	11	0.0
	Arunachal Pradesh	102	1	1.4	1.6	-0.2	21	0.0
	Assam	1245	40	17.8	13.1	0.1	89	0.0
	Manipur	167	2	1.8	1.9	-0.1	27	0.0
	Meghalaya	280	0	4.2	0.3	-0.2	29	0.0
	Mizoram	92	1	1.6	1.1	0.3	9	0.0
	Nagaland	110	1	1.8	1.6	0.1	19	0.0
	Tripura	220	2	1.9	2.8	-1.4	38	0.1

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	43.7	-0.7	-14.6
Day Peak (MW)	2048.0	-139.4	-1063.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	302.4	-303.4	130.9	-118.2	-7.9	3.9
Actual(MU)	296.0	-297.7	145.2	-133.3	-11.4	-1.2
O/D/U/D(MU)	-6.4	5.6	14.3	-15.1	-3.5	-5.1

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL
Central Sector	5095	16709	7512	2100	1060	32475
State Sector	14030	19311	10528	5856	11	49736
Total	19125	36020	18040	7956	1071	82212

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	458	1092	428	398	2	2377
Lignite	19	14	42	0	0	75
Hydro	296	26	70	114	19	526
Nuclear	28	36	54	0	0	118
Gas, Naptha & Diesel	36	60	17	0	24	137
RES (Wind, Solar, Biomass & Others)	114	209	225	5	0	552
Total	951	1436	835	517	45	3784
Share of RES in total generation (%)	11.94	14.52	26.93	0.92	0.02	14.58
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	45.97	18.87	41.76	23.06	42.78	31.59

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.039
Based on State Max Demands	1.085

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: 28-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	14.4	-14.4	
2	HVDC	PUSAULI B/B	S/C	0	248	0.0	6.1	-6.1	
3	765 kV	GAYA-VARANASI	D/C	0	793	0.0	11.3	-11.3	
4	765 kV	SASARAM-FATEHPUR	S/C	54	401	0.0	2.4	-2.4	
5	765 kV	GAYA-BALIA	S/C	0	584	0.0	9.1	-9.1	
6	400 kV	PUSAULI-VARANASI	S/C	0	181	0.0	2.4	-2.4	
7	400 kV	PUSAULI-ALLAHABAD	S/C	0	138	0.0	2.4	-2.4	
8	400 kV	MUZAFFARPUR-GORAKHPUR	D/C	0	1172	0.0	19.3	-19.3	
9	400 kV	PATNA-BALIA	Q/C	0	1175	0.0	19.6	-19.6	
10	400 kV	BIHARSHARIF-BALIA	D/C	0	441	0.0	6.2	-6.2	
11	400 kV	MOTIHARI-GORAKHPUR	D/C	0	307	0.0	5.2	-5.2	
12	400 kV	BIHARSHARIF-VARANASI	D/C	0	459	0.0	4.6	-4.6	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	145	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-CHANDAULI	S/C	0	0	0.0	0.0	0.0	
						ER-NR	0.4	106.9	-106.5
<b>Import/Export of ER (With WR)</b>									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1642	0	30.6	0.0	30.6	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	D/C	722	243	6.2	0.0	6.2	
3	765 kV	JHARSUGUDA-DURG	D/C	168	97	1.1	0.0	1.1	
4	400 kV	JHARSUGUDA-RAIGARH	Q/C	74	151	0.0	0.5	-0.5	
5	400 kV	RANCHI-SIPAT	D/C	273	56	3.1	0.0	3.1	
6	220 kV	BUDHIPADAR-RAIGARH	S/C	0	93	0.0	1.1	-1.1	
7	220 kV	BUDHIPADAR-KORBA	D/C	137	0	0.0	2.1	2.1	
						ER-WR	43.0	1.6	41.4
<b>Import/Export of ER (With SR)</b>									
1	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0	436	0.0	10.0	-10.0	
2	HVDC	TALCHER-KOLAR BIPOLE	D/C	0	1983	0.0	42.1	-42.1	
3	765 kV	ANGUL-SRIKAKULAM	D/C	0	2777	0.0	56.4	-56.4	
4	400 kV	TALCHER-I/C	D/C	304	934	0.0	1.9	-1.9	
5	220 kV	BALIMELA-UPPER-SILERRU	S/C	1	0	0.0	0.0	0.0	
						ER-SR	0.0	108.5	-108.5
<b>Import/Export of ER (With NER)</b>									
1	400 kV	BINAGURI-BONGAIGAOON	D/C	116	296	0.0	1.2	-1.2	
2	400 kV	ALIPURDUAR-BONGAIGAOON	D/C	117	430	0.0	2.6	-2.6	
3	220 kV	ALIPURDUAR-SALAKATI	D/C	27	89	0.0	0.5	-0.5	
						ER-NER	0.0	4.3	-4.3
<b>Import/Export of NER (With NR)</b>									
1	HVDC	BISWANATH CHARIALI-AGRA	-	0	704	0.0	17.3	-17.3	
						NER-NR	0.0	17.3	-17.3
<b>Import/Export of WR (With NR)</b>									
1	HVDC	CHAMPA-KURUKSHETRA	D/C	0	799	0.0	30.3	-30.3	
2	HVDC	V'CHAL B/B	D/C	230	0	6.1	0.0	6.1	
3	HVDC	APL -MHG	D/C	0	1544	0.0	34.5	-34.5	
4	765 kV	GWALIOR-AGRA	D/C	0	2523	0.0	44.8	-44.8	
5	765 kV	PHAGI-GWALIOR	D/C	0	1178	0.0	21.2	-21.2	
6	765 kV	JABALPUR-ORAI	S/C	0	997	0.0	32.4	-32.4	
7	765 kV	GWALIOR-ORAI	S/C	462	171	7.6	0.0	7.6	
8	765 kV	SAJINA-ORAI	S/C	0	1412	0.0	28.2	-28.2	
9	765 kV	CHITORGARH-BANASKANTHA	D/C	0	1333	0.0	20.6	-20.6	
10	400 kV	ZERDA-KANKROLI	S/C	66	153	0.0	0.9	-0.9	
11	400 kV	ZERDA -BHINMAL	S/C	173	209	0.0	0.2	-0.2	
12	400 kV	V'CHAL -RIHAND	S/C	967	0	22.3	0.0	22.3	
13	400 kV	RAPP-SHUJALPUR	D/C	37	320	0.0	2.5	-2.5	
14	220 kV	BHANPURA-RANPUR	S/C	52	47	1.8	0.9	0.9	
15	220 kV	BHANPURA-MORAK	S/C	0	114	0.0	0.3	-0.3	
16	220 kV	MEHGAON-AURAIYA	S/C	87	0	0.0	0.0	0.0	
17	220 kV	MALANPUR-AURAIYA	S/C	56	10	1.3	0.0	1.3	
18	132 kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
19	132 kV	RAIGHAT-LALITPUR	D/C	0	0	0.0	0.0	0.0	
						WR-NR	39.0	216.8	-177.8
<b>Import/Export of WR (With SR)</b>									
1	HVDC	BHADRAWATI B/B	-	0	820	0.0	19.3	-19.3	
2	HVDC	BARSUR-I-SILERRU	-	0	0	0.0	0.0	0.0	
3	HVDC	HVDC-RAIGARH-PUGALUR	D/C	0	0	0.0	0.1	-0.1	
4	765 kV	SOLAPUR-RAICHUR	D/C	158	1700	0.1	22.3	-22.3	
5	765 kV	WARDHA-NIZAMABAD	D/C	0	2336	0.0	44.3	-44.3	
6	400 kV	KOLHAPUR-KUDGI	D/C	710	60	6.5	0.0	6.5	
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	
						WR-SR	8.6	86.1	-77.5

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	214	179	169	4.1
	ER	MANGDECHHU (4 x 180) ALIPURDUAR RECEIPT	762	740	686	16.5
	ER	TALA ( 6 * 170 ) BINAGURI RECEIPT	917	906	822	19.7
	NER	132KV-SALAKATI - GELEPHU	0	0	27	0.7
NEPAL	NR	132KV-Tanakpur(NH) - Mahendranagar(PG)	0	0	0	-0.2
	ER	132KV-BIHAR - NEPAL	-31	-1	-7	-0.2
	ER	220KV-MUZAFFARPUR - DHALKEBAR DC	-90	-2	-12	-0.3
BANGLADESH	ER	Bheramara HVDC(Bangladesh)	-948	-204	-529	-12.7
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	58	0	-39	-0.9
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	57	0	-39	-0.9