



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: 26<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., डोंगतेह, 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 25.05.2020.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 25-मई-2020 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रांभांप्रेंके 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 25<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: 26-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)	51419	43471	37714	18322	2054	152980
Peak Shortage (MW)	503	0	0	0	394	897
Energy Met (MU)	1229	1125	960	390	37	3740
Hydro Gen (MU)	296	52	86	132	18	585
Wind Gen (MU)	27	110	88	-	-	225
Solar Gen (MU)*	42.73	28.10	79.25	4.54	0.02	155
Energy Shortage (MU)	11.2	0.0	0.0	0.0	5.1	16.3
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	56870	49702	43706	18602	2071	163796
Time Of Maximum Demand Met (From NLDC SCADA)	22:29	15:41	14:56	22:59	19:05	22:58

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	0.036	0.38	0.21	5.90	6.49	81.58	11.93

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	7833	0	175.9	140.0	0.2	177	0.0
	Haryana	7883	0	162.7	122.2	0.7	248	0.0
	Rajasthan	11967	0	249.6	85.3	0.1	400	0.0
	Delhi	5331	0	101.5	84.6	-3.6	64	0.0
	UP	21331	0	426.5	191.8	-1.0	344	0.0
	Uttarakhand	1635	0	36.1	17.2	1.0	166	0.0
	HP	1224	0	24.5	0.0	1.5	182	0.0
	J&K(UT) & Ladakh(UT)	2200	550	47.4	21.0	3.4	327	11.1
	Chandigarh	261	0	5.0	4.9	0.1	41	0.0
	Chhattisgarh	3670	0	85.8	31.2	-0.4	164	0.0
WR	Gujarat	14932	0	319.8	54.7	4.0	595	0.0
	MP	9906	0	220.3	118.9	-1.6	321	0.0
	Maharashtra	20959	0	457.9	156.4	1.2	753	0.0
	Goa	493	0	10.6	10.3	-0.2	85	0.0
	DD	200	0	4.4	4.0	0.4	26	0.0
	DNH	393	0	9.0	8.8	0.2	24	0.0
	AMNSIL	754	0	17.3	3.4	0.3	245	0.0
SR	Andhra Pradesh	9955	0	191.6	99.5	0.6	622	0.0
	Telangana	8428	0	177.1	67.8	0.5	419	0.0
	Karnataka	10464	0	200.9	65.5	0.3	499	0.0
	Kerala	3643	0	75.9	50.0	0.8	230	0.0
	Tamil Nadu	13685	0	306.3	146.0	1.5	889	0.0
	Puducherry	383	0	8.0	8.2	-0.2	31	0.0
ER	Bihar	5308	0	105.8	97.2	0.4	308	0.0
	DVC	2572	0	55.3	-40.2	1.5	361	0.0
	Jharkhand	1425	0	28.3	23.7	-0.7	125	0.0
	Odisha	4025	0	85.8	6.1	0.2	292	0.0
	West Bengal	5673	0	113.4	34.5	-0.8	324	0.0
NER	Sikkim	84	0	1.1	1.2	-0.1	15	0.0
	Arunachal Pradesh	103	0	1.5	1.8	-0.2	12	0.0
	Assam	1130	307	20.0	14.3	0.1	99	5.0
	Manipur	179	2	2.4	2.3	0.1	21	0.0
	Meghalaya	268	0	4.3	1.4	-0.6	87	0.1
	Mizoram	93	0	1.7	1.4	0.1	8	0.0
	Nagaland	113	1	2.1	2.0	0.0	8	0.0
	Tripura	273	0	4.6	5.1	-0.6	40	0.0

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	49.3	-0.5	-20.8
Day Peak (MW)	2206.5	-147.1	-1097.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	293.7	-311.0	138.5	-116.7	-4.6	-0.1
Actual(MU)	291.2	-315.4	144.5	-116.6	-7.4	-3.7
O/D/U/D(MU)	-2.4	-4.4	6.0	0.1	-2.8	-3.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL
Central Sector	5305	16843	9262	2600	844	34853
State Sector	13215	19042	11508	5932	11	49708
Total	18520	35885	20770	8532	855	84561

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	478	1116	444	409	3	2450
Lignite	23	14	45	0	0	81
Hvdro	296	52	87	132	18	585
Nuclear	27	37	30	0	0	93
Gas, Naptha & Diesel	37	69	18	0	28	152
RES (Wind, Solar, Biomass & Others)	96	161	209	5	0	472
Total	958	1448	832	545	50	3833
Share of RES in total generation (%)	10.06	11.14	25.17	0.84	0.04	12.31
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	43.82	17.28	39.11	24.97	36.08	29.99

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.044
Based on State Max Demands	1.091

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: 26-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	14.6	-14.6	
2	HVDC	PUSAULI B/B	S/C	0	249	0.0	6.1	-6.1	
3	765 kV	GAYA-VARANASI	D/C	0	595	0.0	8.1	-8.1	
4	765 kV	SASARAM-FATEHPUR	S/C	97	277	0.0	2.4	-2.4	
5	765 kV	GAYA-BALIA	S/C	0	420	0.0	4.2	-4.2	
6	400 kV	PUSAULI-VARANASI	S/C	0	212	0.0	4.0	-4.0	
7	400 kV	PUSAULI-ALLAHABAD	S/C	0	119	0.0	2.0	-2.0	
8	400 kV	MUZAFFARPUR-GORAKHPUR	D/C	0	888	0.0	17.1	-17.1	
9	400 kV	PATNA-BALIA	Q/C	0	965	0.0	15.5	-15.5	
10	400 kV	BIHARSHARIF-BALIA	D/C	0	396	0.0	7.4	-7.4	
11	400 kV	MOTIHARI-GORAKHPUR	D/C	0	334	0.0	5.3	-5.3	
12	400 kV	BIHARSHARIF-VARANASI	D/C	33	270	0.0	3.1	-3.1	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	186	0.0	3.5	-3.5	
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	0.6	0.0	0.6	
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	0.6	95.9	-95.3
<b>Import/Export of ER (With WR)</b>									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1509	0	25.9	0.0	25.9	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	D/C	726	123	7.7	0.0	7.7	
3	765 kV	JHARSUGUDA-DURG	D/C	153	108	0.1	0.0	0.1	
4	400 kV	JHARSUGUDA-RAIGARH	Q/C	88	125	0.0	0.0	0.0	
5	400 kV	RANCHI-SIPAT	D/C	274	13	4.1	0.0	4.1	
6	220 kV	BUDHIPADAR-RAIGARH	S/C	0	88	0.0	1.3	-1.3	
7	220 kV	BUDHIPADAR-KORBA	D/C	138	0	2.4	0.0	2.4	
						ER-WR	40.3	1.3	38.9
<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	1583	0.0	37.7	-37.7	
3	765 kV	ANGUL-SRIKAKULAM	D/C	0	2741	0.0	56.3	-56.3	
4	400 kV	TALCHER-I/C	D/C	898	0	7.2	0.0	7.2	
5	220 kV	BALIMELA-UPPER-SILERRU	S/C	1	0	0.0	0.0	0.0	
						ER-SR	0.0	103.9	-103.9
<b>Import/Export of ER (With NER)</b>									
1	400 kV	BINAGURI-BONGAIGAOON	D/C	27	246	0.0	1.6	-1.6	
2	400 kV	ALIPURDUAR-BONGAIGAOON	D/C	0	382	0.0	3.2	-3.2	
3	220 kV	ALIPURDUAR-SALAKATI	D/C	0	81	0.0	1.0	-1.0	
						ER-NER	0.0	5.7	-5.7
<b>Import/Export of NER (With NR)</b>									
1	HVDC	BISWANATH CHARIALI-AGRA	-	0	804	0.0	14.4	-14.4	
						NER-NR	0.0	14.4	-14.4
<b>Import/Export of WR (With NR)</b>									
1	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1250	0.0	43.5	-43.5	
2	HVDC	V'CHAL B/B	D/C	95	0	2.5	0.0	2.5	
3	HVDC	APL -MHG	D/C	0	1361	0.0	33.9	-33.9	
4	765 kV	GWALIOR-AGRA	D/C	0	2475	0.0	44.8	-44.8	
5	765 kV	PHAGI-GWALIOR	D/C	0	1212	0.0	22.2	-22.2	
6	765 kV	JABALPUR-ORAI	D/C	0	959	0.0	32.2	-32.2	
7	765 kV	GWALIOR-ORAI	S/C	477	0	2.6	0.0	2.6	
8	765 kV	SAINA-ORAI	S/C	0	1423	0.0	30.5	-30.5	
9	765 kV	CHITORGARH-BANASKANTHA	D/C	0	1040	0.0	15.7	-15.7	
10	400 kV	ZERDA-KANKROLI	S/C	63	77	0.0	0.4	-0.4	
11	400 kV	ZERDA-BHINMAL	S/C	151	189	0.0	0.0	0.0	
12	400 kV	V'CHAL -RIHAND	S/C	976	0	22.5	0.0	22.5	
13	400 kV	RAPP-SHUJALPUR	D/C	152	213	0.0	1.0	-1.0	
14	220 kV	BHANPURA-RANPUR	S/C	32	57	0.0	1.3	-1.3	
15	220 kV	BHANPURA-MORAK	S/C	0	102	0.0	1.8	-1.8	
16	220 kV	MEHGAON-AURAIYA	S/C	88	0	0.0	0.0	0.0	
17	220 kV	MALANPUR-AURAIYA	S/C	54	4	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	RAIGHAT-LALITPUR	D/C	0	0	0.0	0.0	0.0	
						WR-NR	34.6	227.2	-192.5
<b>Import/Export of WR (With SR)</b>									
1	HVDC	BHADRAWATI B/B	-	0	989	0.0	23.5	-23.5	
2	HVDC	BARBURI-SILERRU	-	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	0	1929	0.0	26.4	-26.4	
5	765 kV	WARDHA-NIZAMABAD	D/C	0	2222	0.0	39.2	-39.2	
6	400 kV	KOLHAPUR-KUDGI	D/C	366	155	3.2	0.2	3.0	
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	101	1.8	0.0	1.8	
						WR-SR	5.1	89.4	-84.3

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	216	198	193	4.6
	ER	MANGDECHHU (4 x 180) ALIPURDUAR RECEIPT	778	623	675	16.2
	ER	TALA ( 6 * 170 ) BINAGURI RECEIPT	1057	1047	1052	25.2
	NER	132KV-SALAKATI - GELEPHU	0	0	26	0.6
NEPAL	NR	132KV-Tanakpur(NH) - Mahendranagar(PG)	0	0	0	-0.2
	ER	132KV-BIHAR - NEPAL	-12	-1	-6	-0.1
	ER	220KV-MUZAFFARPUR - DHALKEBAR DC	-116	-4	-5	-0.1
BANGLADESH	ER	Bheramara HVDC(Bangladesh)	-944	-556	-736	-17.7
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	76	0	-65	-1.6
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	77	0	-65	-1.6