



**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: 16<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 15.05.2020.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 15-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 15<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: 16-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)	43103	40297	37132	18927	2416	141875
Peak Shortage (MW)	547	0	0	0	91	638
Energy Met (MU)	971	1029	931	401	39	3372
Hydro Gen (MU)	273	33	68	68	7	449
Wind Gen (MU)	14	47	43	-	-	104
Solar Gen (MU)*	41.70	26.90	83.02	4.85	0.03	157
Energy Shortage (MU)	11.9	0.0	0.0	0.0	1.4	13.2
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	45879	46343	44112	19496	2435	150343
Time Of Maximum Demand Met (From NLDC SCADA)	22:26	14:55	15:15	23:03	19:22	15:15

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	0.030	0.00	0.20	4.41	4.61	77.71	17.69

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	5835	0	121.2	93.9	-0.9	108	0.0
	Haryana	6086	0	120.4	113.0	1.2	235	0.0
	Rajasthan	10403	0	219.7	78.7	-0.3	399	0.0
	Delhi	3667	0	72.0	57.6	-2.4	10	0.0
	UP	17731	610	339.7	166.4	3.2	788	1.7
	Uttarakhand	1372	0	30.1	11.8	0.3	72	0.0
	HP	1168	0	21.9	1.0	-0.9	93	0.0
	J&K(UT) & Ladakh(UT)	2189	547	43.2	23.4	0.1	360	10.2
	Chandigarh	164	0	3.4	3.6	-0.2	18	0.0
	Chhattisgarh	3360	0	79.3	26.2	-0.7	192	0.0
WR	Gujarat	14125	0	306.3	99.4	3.4	551	0.0
	MP	9007	0	202.8	117.2	-0.8	421	0.0
	Maharashtra	18793	0	405.4	152.5	-0.2	465	0.0
	Goa	484	0	10.0	9.6	-0.1	47	0.0
	DD	193	0	4.2	4.2	0.0	34	0.0
	DNH	334	0	7.5	7.5	0.0	30	0.0
	AMNSIL	653	0	13.9	2.4	0.1	144	0.0
SR	Andhra Pradesh	9071	0	181.9	101.5	1.1	825	0.0
	Telangana	7403	0	156.8	61.1	0.4	632	0.0
	Karnataka	10999	0	209.5	71.4	1.0	731	0.0
	Kerala	3266	0	71.9	48.5	0.4	155	0.0
	Tamil Nadu	13419	0	303.5	173.8	-1.0	569	0.0
	Puducherry	360	0	7.6	7.9	-0.2	22	0.0
ER	Bihar	5243	0	100.6	92.2	0.5	325	0.0
	DVC	2389	0	49.7	-26.6	0.8	270	0.0
	Jharkhand	1399	0	23.2	16.4	-1.5	130	0.0
	Odisha	3811	0	81.2	8.8	0.3	210	0.0
	West Bengal	7196	0	145.2	42.8	1.0	405	0.0
NER	Sikkim	96	0	1.2	1.5	-0.3	20	0.0
	Arunachal Pradesh	109	2	2.0	1.6	0.3	42	0.0
	Assam	1498	52	22.2	18.1	0.0	93	1.2
	Manipur	186	3	2.3	2.3	0.0	29	0.0
	Meghalaya	309	0	5.1	3.5	-0.2	37	0.1
	Mizoram	95	1	1.6	1.5	0.0	15	0.0
	Nagaland	121	2	2.1	2.0	0.0	17	0.0
	Tripura	238	0	4.2	4.6	-0.8	24	0.0

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	18.1	-0.6	-25.0
Day Peak (MW)	1168.3	-144.7	-1109.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	206.6	-285.3	150.3	-75.8	4.4	0.1
Actual(MU)	194.2	-294.8	172.0	-74.3	1.9	-1.1
O/D/U/D(MU)	-12.3	-9.6	21.7	1.5	-2.5	-1.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL
Central Sector	5625	15543	9152	1196	704	32220
State Sector	18995	21658	10648	5852	11	57164
Total	24620	37200	19800	7048	715	89383

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	358	1087	447	447	7	2347
Lignite	23	16	40	0	0	79
Hydro	273	33	68	68	7	449
Nuclear	28	33	44	0	0	105
Gas, Naptha & Diesel	32	81	18	0	29	160
RES (Wind, Solar, Biomass & Others)	83	84	162	5	0	334
Total	797	1333	780	520	43	3474
Share of RES in total generation (%)	10.41	6.28	20.81	0.95	0.07	9.61
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	48.10	11.20	35.26	13.99	16.38	25.55

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.053
Based on State Max Demands	1.083

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: 16-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	0	0.0	0.0	0.0	
2	HVDC	PUSAULI B/B	S/C	23	248	0.0	6.2	-6.2	
3	765 kV	GAYA-VARANASI	D/C	23	476	0.0	4.8	-4.8	
4	765 kV	SASARAM-FATEHPUR	S/C	241	176	0.0	0.3	-0.3	
5	765 kV	GAYA-BALIA	S/C	0	344	0.0	5.2	-5.2	
6	400 kV	PUSAULI-VARANASI	S/C	0	253	0.0	4.7	-4.7	
7	400 kV	PUSAULI-ALLAHABAD	S/C	0	104	0.0	1.3	-1.3	
8	400 kV	MUZAFFARPUR-GORAKHPUR	D/C	0	569	0.0	7.2	-7.2	
9	400 kV	PATNA-BALIA	Q/C	0	515	0.0	7.2	-7.2	
10	400 kV	BIHARSHARIFF-BALIA	D/C	0	171	0.0	1.8	-1.8	
11	400 kV	MOTHARI-GORAKHPUR	D/C	0	297	0.0	5.0	-5.0	
12	400 kV	BIHARSHARIFF-VARANASI	D/C	202	106	0.9	0.0	0.9	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	185	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	0.5	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	1.3	47.9	-46.6
<b>Import/Export of ER (With WR)</b>									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1537	0	28.5	0.0	28.5	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	D/C	1211	0	15.6	0.0	15.6	
3	765 kV	JHARSUGUDA-DURG	D/C	171	58	0.5	0.0	0.5	
4	400 kV	JHARSUGUDA-RAIGARH	Q/C	250	42	1.8	0.0	1.8	
5	400 kV	RANCHI-SIPAT	D/C	443	0	5.7	0.0	5.7	
6	220 kV	BUDHIPADAR-RAIGARH	S/C	6	81	0.0	1.0	-1.0	
7	220 kV	BUDHIPADAR-KORBA	D/C	154	0	2.6	0.0	2.6	
						ER-WR	54.6	1.0	53.6
<b>Import/Export of ER (With SR)</b>									
1	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0	475	0.0	7.3	-7.3	
2	HVDC	TALCHER-KOLAR BIPOLE	D/C	0	2466	0.0	48.7	-48.7	
3	765 kV	ANGUL-SRIKAKULAM	D/C	0	3174	0.0	64.3	-64.3	
4	400 kV	TALCHER-I/C	D/C	0	644	0.0	4.0	-4.0	
5	220 kV	BALIMELA-UPPER-SILERRU	S/C	1	0	0.0	0.0	0.0	
						ER-SR	0.0	120.3	-120.3
<b>Import/Export of ER (With NER)</b>									
1	400 kV	BINAGURI-BONGAIGAOON	D/C	0	260	0.0	3.2	-3.2	
2	400 kV	ALIPURDUAR-BONGAIGAOON	D/C	0	409	0.0	7.0	-7.0	
3	220 kV	ALIPURDUAR-SALAKATI	D/C	0	80	0.0	1.1	-1.1	
						ER-NER	0.0	11.3	-11.3
<b>Import/Export of NER (With NR)</b>									
1	HVDC	BISWANATH CHARIALI-AGRA	-	0	402	0.0	9.8	-9.8	
						NER-NR	0.0	9.8	-9.8
<b>Import/Export of WR (With NR)</b>									
1	HVDC	CHAMPA-KURUKSHETRA	D/C	0	903	0.0	21.2	-21.2	
2	HVDC	V'CHAL B/B	D/C	140	0	2.5	0.0	2.5	
3	HVDC	APL -MHG	D/C	0	1171	0.0	29.1	-29.1	
4	765 kV	GWALIOR-AGRA	D/C	0	2526	0.0	42.9	-42.9	
5	765 kV	PHAGI-GWALIOR	D/C	0	1185	0.0	21.4	-21.4	
6	765 kV	JABALPUR-ORAI	S/C	0	912	0.0	28.8	-28.8	
7	765 kV	GWALIOR-ORAI	S/C	552	0	10.8	0.0	10.8	
8	765 kV	SAJNA-ORAI	S/C	0	1448	0.0	36.4	-36.4	
9	765 kV	CHITORGARH-BANASKANTHA	D/C	397	758	0.0	1.2	-1.2	
10	400 kV	ZERDA-KANKROLI	S/C	180	60	2.1	0.0	2.1	
11	400 kV	ZERDA-BHINMAL	S/C	225	109	1.8	0.0	1.8	
12	400 kV	V'CHAL -RIHAND	S/C	960	0	22.2	0.0	22.2	
13	400 kV	RAPP-SHUJALPUR	D/C	78	208	0.0	1.3	-1.3	
14	220 kV	BHANPURA-RANPUR	S/C	6	79	1.8	0.6	1.2	
15	220 kV	BHANPURA-MORAK	S/C	0	104	0.0	0.2	-0.2	
16	220 kV	MEHGAON-AURAIYA	S/C	89	4	0.1	0.7	-0.5	
17	220 kV	MALANPUR-AURAIYA	S/C	63	25	0.0	0.0	0.0	
18	132 kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						WR-NR	41.2	183.7	-142.5
<b>Import/Export of WR (With SR)</b>									
1	HVDC	BHADRAWATI B/B	-	0	1006	0.0	19.4	-19.4	
2	HVDC	BARSUR-L-SILERRU	-	0	0	0.0	0.0	0.0	
3	765 kV	SOLAPUR-RAICHUR	D/C	23	2235	0.0	30.6	-30.6	
4	765 kV	WARDHA-NIZAMABAD	D/C	0	2671	0.0	48.5	-48.5	
5	400 kV	KOLHAPUR-KUDGI	D/C	249	0	0.3	0.0	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	76	0.0	1.5	-1.5	
8	220 kV	XELDEM-AMBEWADI	S/C	0	97	2.0	0.0	2.0	
						WR-SR	2.3	99.9	-97.7

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	86	22	37	0.9
	ER	MANGDECHHU (4 x 180) ALIPURDUAR RECEIPT	509	487	334	8.0
	ER	TALA ( 6 * 170 ) BINAGURI RECEIPT	418	250	333	8.0
	NER	132KV-SALAKATI - GELEPHU	16	0	1	0.0
	NER	132KV-RANGIA - DEOTHANG	0	0	25	0.6
NEPAL	NR	132KV-Tanakpur(NH) - Mahendranagar(PG)	0	0	0	0.0
	ER	132KV-BIHAR - NEPAL	-33	-2	-13	-0.3
	ER	220KV-MUZAFFARPUR - DHALKEBAR DC	-112	-2	-14	-0.3
BANGLADESH	ER	Bheramara HVDC(Bangladesh)	-958	-757	-921	-22.1
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	76	0	-60	-1.5
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	75	0	-60	-1.5