



**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: 06<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., डोंगतेह, 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 05.05.2020.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 05-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 05<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: 06-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)	35230	39223	34680	16710	1754	127597
Peak Shortage (MW)	1673	0	0	0	569	2242
Energy Met (MU)	808	987	872	344	37	3050
Hydro Gen (MU)	234	42	87	80	6	449
Wind Gen (MU)	5	57	31	-	-	93
Solar Gen (MU)*	41.59	28.60	92.93	4.63	0.04	168
Energy Shortage (MU)	12.4	0.0	0.0	0.0	2.5	14.9
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	38122	44856	40288	16886	1917	134899
Time Of Maximum Demand Met (From NLDC SCADA)	00:00	15:23	14:41	19:06	18:38	22:21

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	2.00	5.10	7.11	77.87	15.02

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	5024	0	100.5	72.5	0.0	170	0.0
	Haryana	5502	0	108.2	105.3	0.0	202	0.2
	Rajasthan	8698	0	185.3	83.4	8.0	804	0.0
	Delhi	3398	0	65.8	56.8	-2.1	37	0.0
	UP	14212	0	260.8	122.3	-2.2	490	2.6
	Uttarakhand	1190	0	25.3	7.6	0.8	199	0.0
	HP	978	0	18.4	-3.8	1.8	257	0.0
	J&K(UT) & Ladakh(UT)	2065	516	40.7	31.3	0.1	265	9.6
WR	Chhattisgarh	156	0	3.2	3.1	0.1	34	0.0
	Chhattisgarh	3162	0	70.8	21.5	-1.4	226	0.0
	Gujarat	13772	0	294.8	85.4	4.2	679	0.0
	MP	9014	0	174.6	96.0	-1.5	410	0.0
	Maharashtra	19380	0	421.3	181.4	-1.8	491	0.0
	Goa	477	0	10.6	10.2	-0.1	55	0.0
	DD	178	0	3.8	3.7	0.1	41	0.0
	DNH	333	0	7.3	7.3	0.0	34	0.0
SR	AMNSIL	426	0	4.1	4.0	0.1	147	0.0
	Andhra Pradesh	8533	0	170.6	98.0	0.0	579	0.0
	Telangana	7063	0	146.9	62.8	0.5	342	0.0
	Karnataka	10165	0	204.2	57.4	-0.4	509	0.0
	Kerala	3290	0	72.4	48.8	1.1	238	0.0
	Tamil Nadu	11927	0	271.8	183.7	0.2	373	0.0
	Puducherry	332	0	6.6	6.8	-0.2	50	0.0
ER	Bihar	4268	0	70.8	68.2	-2.2	190	0.0
	DVC	2123	0	42.1	-18.7	0.8	280	0.0
	Jharkhand	1291	0	22.6	15.8	-1.8	200	0.0
	Odisha	3919	0	80.6	0.1	0.0	250	0.0
	West Bengal	6193	0	127.0	45.2	1.6	210	0.0
NER	Sikkim	104	0	1.4	1.5	-0.1	30	0.0
	Arunachal Pradesh	60	7	1.3	1.0	0.3	29	0.0
	Assam	1143	410	22.8	20.2	-0.1	161	2.3
	Manipur	180	10	2.4	2.2	0.2	21	0.0
	Meghalaya	260	11	4.3	1.7	0.1	45	0.1
	Mizoram	96	5	1.3	1.4	-0.2	25	0.0
	Nagaland	118	4	2.0	2.0	-0.2	7	0.0
	Trinura	245	45	3.4	4.0	-0.6	57	0.1

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	24.5	-0.3	-13.7
Day Peak (MW)	1360.6	-142.4	-942.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	152.4	-213.8	160.7	-102.6	3.2	-0.1
Actual(MU)	161.1	-222.4	169.9	-117.4	2.6	-6.2
O/D/U/D(MU)	8.7	-8.6	9.2	-14.8	-0.5	-6.1

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL
Central Sector	7405	17243	8942	2230	649	36469
State Sector	19868	23839	14108	7352	11	65178
Total	27273	41081	23050	9582	660	101646

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	278	945	374	402	7	2006
Lignite	25	13	41	0	0	78
Hydro	234	42	87	80	6	449
Nuclear	28	36	51	0	0	115
Gas, Naptha & Diesel	27	79	20	0	27	153
RES (Wind, Solar, Biomass & Others)	77	101	143	5	0	326
Total	668	1216	716	487	40	3128
Share of RES in total generation (%)	11.52	8.34	19.99	0.95	0.10	10.43
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	50.64	14.75	39.16	17.47	16.15	28.45

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.053
Based on State Max Demands	1.107

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: 06-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	0	249	0.0	6.0	-6.0	
3	765 kV	GAYA-VARANASI	D/C	0	661	0.0	8.5	-8.5	
4	765 kV	SASARAM-FATEHPUR	S/C	42	358	0.0	3.2	-3.2	
5	765 kV	GAYABALLA	S/C	0	373	0.0	4.8	-4.8	
6	400 kV	PUSAULI-VARANASI	S/C	0	216	0.0	4.0	-4.0	
7	400 kV	PUSAULI-ALLAHABAD	S/C	0	148	0.0	1.9	-1.9	
8	400 kV	MUZAFFARPUR-GORAKHPUR	D/C	0	806	0.0	12.1	-12.1	
9	400 kV	PATNA-BALLA	Q/C	0	701	0.0	11.7	-11.7	
10	400 kV	BIHARSHARIFF-BALLA	D/C	0	350	0.0	4.7	-4.7	
11	400 kV	MOTIHARI-GORAKHPUR	D/C	0	237	0.0	3.4	-3.4	
12	400 kV	BIHARSHARIFF-VARANASI	D/C	111	305	0.0	2.4	-2.4	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	161	0.0	2.6	-2.6	
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	65.2	-64.8
<b>Import/Export of ER (With WR)</b>									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1054	130	12.6	0.0	12.6	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	D/C	308	388	0.9	0.0	0.9	
3	765 kV	JHARSUGUDA-DURG	D/C	0	453	0.0	6.4	-6.4	
4	400 kV	JHARSUGUDA-RAIGARH	Q/C	16	213	0.0	1.9	-1.9	
5	400 kV	RANCHI-SIPAT	D/C	175	189	1.6	0.0	1.6	
6	220 kV	BUDHIPADAR-RAIGARH	S/C	0	141	0.0	2.5	-2.5	
7	220 kV	BUDHIPADAR-KORBA	D/C	136	7	1.5	0.0	1.5	
						ER-WR	16.5	10.9	5.6
<b>Import/Export of ER (With SR)</b>									
1	HVDC	JEYPORE-GAZIWAKA B/B	D/C	0	276	0.0	6.2	-6.2	
2	HVDC	TALCHER-KOLAR BIPOLE	D/C	0	1983	0.0	48.0	-48.0	
3	765 kV	ANGUL-SRIKAKULAM	D/C	0	3161	0.0	62.6	-62.6	
4	400 kV	TALCHER-I/C	D/C	0	761	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	116.8	-116.8
<b>Import/Export of ER (With NER)</b>									
1	400 kV	BINAGURI-BONGAIGAOON	D/C	365	6	4.5	0.0	4.5	
2	400 kV	ALIPURDUAR-BONGAIGAOON	D/C	442	77	4.8	0.0	4.8	
3	220 kV	ALIPURDUAR-SALAKATI	D/C	84	47	0.5	0.0	0.5	
						ER-NER	9.8	0.0	9.8
<b>Import/Export of NER (With NR)</b>									
1	HVDC	BISWANATH CHARIALI-AGRA	-	463	0	11.3	0.0	11.3	
						NER-NR	11.3	0.0	11.3
<b>Import/Export of WR (With NR)</b>									
1	HVDC	CHAMPA-KURUKSHETRA	D/C	0	0	0.0	15.3	-15.3	
2	HVDC	V'CHAL B/B	D/C	2	52	0.0	0.5	-0.5	
3	HVDC	APL -MHG	D/C	0	1125	0.0	27.9	-27.9	
4	765 kV	GWALIOR-AGRA	D/C	0	1922	0.0	31.7	-31.7	
5	765 kV	PHAGI-GWALIOR	D/C	0	1414	0.0	28.3	-28.3	
6	765 kV	JABALPUR-ORAI	S/C	0	588	0.0	20.1	-20.1	
7	765 kV	GWALIOR-ORAI	S/C	530	0	9.7	0.0	9.7	
8	765 kV	SAINA-ORAI	S/C	0	1773	0.0	26.9	-26.9	
9	765 kV	CHITORGARH-BANASKANTHA	D/C	444	550	2.0	4.1	-2.1	
10	400 kV	ZERDA-KANKROLI	S/C	181	0	2.2	0.0	2.2	
11	400 kV	ZERDA-BHINMAL	S/C	180	23	2.1	0.0	2.1	
12	400 kV	V'CHAL -RIHAND	S/C	965	0	22.2	0.0	22.2	
13	400 kV	RAPP-SHUJALPUR	D/C	273	20	2.4	0.0	2.4	
14	220 kV	BHANPURA-RANPUR	S/C	33	46	0.0	0.6	-0.6	
15	220 kV	BHANPURA-MORAK	S/C	0	75	0.0	1.2	-1.2	
16	220 kV	MEHGAON-AURAIYA	S/C	106	0	1.2	0.0	1.2	
17	220 kV	MALANPUR-AURAIYA	S/C	78	3	0.7	0.0	0.7	
18	132 kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						WR-NR	42.6	156.7	-114.1
<b>Import/Export of WR (With SR)</b>									
1	HVDC	BHADRAWATI B/B	-	0	14	0.0	23.3	-23.3	
2	HVDC	BARSUR-L-SILERRU	-	0	0	0.0	0.0	0.0	
3	765 kV	SOLAPUR-RAICHUR	D/C	0	2771	0.0	31.6	-31.6	
4	765 kV	WARDHA-NIZAMABAD	D/C	0	2584	0.0	47.2	-47.2	
5	400 kV	KOLHAPUR-KUDGI	D/C	241	0	1.0	1.4	-0.4	
6	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
7	220 kV	PONDA-AMBEWADI	S/C	0	0	0.0	0.0	0.0	
8	220 kV	XELDEM-AMBEWADI	S/C	0	98	1.9	0.0	1.9	
						WR-SR	2.8	103.5	-100.6

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	169	160	134	3.2
	ER	MANGDECHHU (4 x 180) ALIPURDUAR RECEIPT	545	539	391	9.4
	ER	TALA ( 6 * 170 ) BINAGURI RECEIPT	491	400	402	9.7
	NER	132KV-SALAKATI - GELEPHU	0	0	12	0.3
	NER	132KV-RANGIA - DEOTHANG	0	0	34	0.8
NEPAL	NR	132KV-Tanakpur(NH) - Mahendranagar(PG)	0	0	0	0.0
	ER	132KV-BIHAR - NEPAL	-4	-1	-3	-0.1
	ER	220KV-MUZAFFARPUR - DHALKEBAR DC	-138	20	-8	-0.2
BANGLADESH	ER	Bheramara HVDC(Bangladesh)	-796	-254	-452	-10.8
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	73	0	-60	-1.5
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	73	0	-60	-1.5