



**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: 02<sup>nd</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 01.05.2020.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.5.5.1 के प्रावधान के अनुसार, दिनांक 01-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 01<sup>st</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: 02-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)	39939	38408	31886	13668	2264	126165
Peak Shortage (MW)	519	0	0	0	27	546
Energy Met (MU)	842	972	783	294	37	2928
Hydro Gen (MU)	237	34	69	65	7	412
Wind Gen (MU)	35	69	36	-	-	141
Solar Gen (MU)*	42.61	27.20	87.21	4.61	0.03	162
Energy Shortage (MU)	9.8	0.0	0.0	0.0	0.7	10.5
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	42163	42259	35119	14868	2297	131140
Time Of Maximum Demand Met (From NLDC SCADA)	22:21	15:29	13:40	00:02	19:03	22:30

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	0.034	0.00	0.00	2.20	2.20	73.17	24.63

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	5473	0	109.0	84.5	-0.8	121	0.0
	Haryana	6729	0	114.4	95.4	1.5	204	0.0
	Rajasthan	9581	0	198.4	55.1	-0.5	467	0.0
	Delhi	3461	0	69.6	60.5	-3.1	0	0.0
	UP	15462	0	268.6	127.4	-1.3	989	0.0
	Uttarakhand	1150	0	21.7	5.2	-0.1	139	0.0
	HP	879	0	15.9	-4.1	0.1	211	0.0
	J&K(UT) & Ladakh(UT)	2075	519	41.4	23.8	-0.3	153	9.8
WR	Chandigarh	161	0	3.1	3.2	0.0	14	0.0
	Chhattisgarh	3104	0	73.0	20.9	-0.5	134	0.0
	Gujarat	13173	0	292.6	98.7	-2.8	428	0.0
	MP	8504	0	186.9	107.7	-2.1	391	0.0
	Maharashtra	17934	0	400.2	170.7	0.0	504	0.0
	Goa	428	0	9.1	9.0	-0.4	40	0.0
	DD	139	0	2.8	2.8	0.0	376	0.0
	AMNSIL	397	0	2.4	2.1	0.3	199	0.0
SR	Andhra Pradesh	7537	0	151.8	83.0	0.8	557	0.0
	Telangana	6253	0	133.8	58.0	-0.4	421	0.0
	Karnataka	9347	0	189.7	55.8	1.7	615	0.0
	Kerala	3517	0	67.5	43.9	1.1	304	0.0
	Tamil Nadu	10621	0	234.4	164.0	0.8	508	0.0
	Puducherry	291	0	5.4	6.1	-0.7	42	0.0
ER	Bihar	4227	0	70.2	69.2	-4.1	569	0.0
	DVC	1687	0	32.2	-24.1	0.0	226	0.0
	Jharkhand	1125	0	21.8	14.5	-1.5	124	0.0
	Odisha	3322	0	67.4	-11.8	0.1	457	0.0
	West Bengal	5152	0	101.9	35.2	2.1	316	0.0
NER	Sikkim	77	0	1.0	1.3	-0.4	14	0.0
	Arunachal Pradesh	91	1	1.5	1.2	0.3	24	0.0
	Assam	1393	15	21.8	18.5	0.3	93	0.5
	Manipur	184	0	2.2	2.3	-0.1	29	0.0
	Meghalaya	246	0	4.2	2.2	-0.2	63	0.1
	Mizoram	86	2	1.4	1.4	-0.2	11	0.0
	Nagaland	114	1	1.9	2.0	-0.2	22	0.0
Tripura	244	1	3.7	3.5	-0.7	37	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	15.0	-0.3	-11.3
Day Peak (MW)	877.5	-96.9	-863.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	151.0	-181.4	131.6	-99.3	-2.2	-0.2
Actual(MU)	130.8	-184.2	151.1	-108.5	-2.2	-13.0
O/D/U/D(MU)	-20.3	-2.9	19.5	-9.2	0.0	-12.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL
Central Sector	6735	19328	9942	3040	649	39694
State Sector	19208	24127	15168	7592	11	66106
Total	25943	43454	25110	10632	660	105799

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	308	900	332	352	7	1899
Lignite	25	13	37	0	0	75
Hydro	237	34	69	65	7	412
Nuclear	28	36	39	0	0	103
Gas, Naptha & Diesel	25	68	20	0	29	142
RES (Wind, Solar, Biomass & Others)	110	112	147	5	0	374
Total	731	1164	644	422	44	3005

Share of RES in total generation (%)	15.04	9.65	22.89	1.10	0.07	12.46
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	51.18	15.68	39.54	16.60	17.15	29.58

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.042
Based on State Max Demands	1.101

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: 02-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	836	0.0	9.5	-9.5	
4	765 kV	SASARAM-FATEHPUR	S/C	71	275	0.0	2.5	-2.5	
5	765 kV	GAYA-BALIA	S/C	0	387	0.0	5.6	-5.6	
6	400 kV	PUSAULI-VARANASI	S/C	0	185	0.0	3.6	-3.6	
7	400 kV	PUSAULI-ALLAHABAD	S/C	0	136	0.0	2.5	-2.5	
8	400 kV	MUZAFFARPUR-GORAKHPUR	D/C	0	814	0.0	11.8	-11.8	
9	400 kV	PATNA-BALIA	Q/C	0	816	0.0	12.1	-12.1	
10	400 kV	BIHARSHARIFF-BALIA	D/C	0	382	0.0	5.3	-5.3	
11	400 kV	MOTIHARI-GORAKHPUR	D/C	0	246	0.0	3.8	-3.8	
12	400 kV	BIHARSHARIFF-VARANASI	D/C	46	325	0.0	2.9	-2.9	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	166	0.0	2.9	-2.9	
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	68.4	-67.8
<b>Import/Export of ER (With WR)</b>									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1145	0	14.1	0.0	14.1	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	D/C	351	200	1.5	0.0	1.5	
3	765 kV	JHARSUGUDA-DURG	D/C	0	494	0.0	6.9	-6.9	
4	400 kV	JHARSUGUDA-RAIGARH	Q/C	48	269	0.0	3.6	-3.6	
5	400 kV	RANCHI-SIPAT	D/C	207	113	1.3	0.0	1.3	
6	220 kV	BUDHIPADAR-RAIGARH	S/C	0	134	0.0	2.2	-2.2	
7	220 kV	BUDHIPADAR-KORBA	D/C	141	0	1.5	0.0	1.5	
						ER-WR	18.4	12.7	5.7
<b>Import/Export of ER (With SR)</b>									
1	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0	493	0.0	7.5	-7.5	
2	HVDC	TALCHER-KOLAR BIPOLE	D/C	0	1590	0.0	38.5	-38.5	
3	765 kV	ANGUL-SRIKAKULAM	D/C	0	2890	0.0	58.5	-58.5	
4	400 kV	TALCHER-I/C	D/C	325	608	0.4	0.0	0.4	
5	220 kV	BALIMELA-UPPER-SILERRU	S/C	1	0	0.0	0.0	0.0	
						ER-SR	0.0	104.5	-104.5
<b>Import/Export of ER (With NER)</b>									
1	400 kV	BINAGURI-BONGAIGAON	D/C	358	0	5.9	0.0	5.9	
2	400 kV	ALIPURDUAR-BONGAIGAON	D/C	437	0	6.8	0.0	6.8	
3	220 kV	ALIPURDUAR-SALAKATI	D/C	88	0	1.2	0.0	1.2	
						ER-NER	13.8	0.0	13.8
<b>Import/Export of NER (With NR)</b>									
1	HVDC	BISWANATH CHARIALI-AGRA	-	463	0	11.4	0.0	11.4	
						NER-NR	11.4	0.0	11.4
<b>Import/Export of WR (With NR)</b>									
1	HVDC	CHAMPA-KURUKSHETRA	D/C	0	0	0.0	3.9	-3.9	
2	HVDC	V'CHAL B/B	D/C	228	0	2.2	0.0	2.2	
3	HVDC	APL -MHG	D/C	0	1125	0.0	27.9	-27.9	
4	765 kV	GWALIOR-AGRA	D/C	0	2329	0.0	38.0	-38.0	
5	765 kV	PHAGI-GWALIOR	D/C	0	1077	0.0	16.6	-16.6	
6	765 kV	JABALPUR-ORAI	D/C	0	716	0.0	16.8	-16.8	
7	765 kV	GWALIOR-ORAI	S/C	594	0	10.3	0.0	10.3	
8	765 kV	SATNA-ORAI	S/C	0	1308	0.0	25.3	-25.3	
9	765 kV	CHITORGARH-BANASKANTHA	D/C	838	578	2.1	0.0	2.1	
10	400 kV	ZERDA-KANKROLI	S/C	301	0	3.7	0.0	3.7	
11	400 kV	ZERDA -BHINMAL	S/C	526	0	7.6	0.0	7.6	
12	400 kV	V'CHAL -RIHAND	S/C	961	0	22.0	0.0	22.0	
13	400 kV	RAPP-SHUJALPUR	D/C	335	128	0.8	0.0	0.8	
14	220 kV	BHANPURA-RANPUR	S/C	41	59	0.0	1.1	-1.1	
15	220 kV	BHANPURA-MORAK	S/C	0	103	0.0	1.7	-1.7	
16	220 kV	MEHGAON-AURAIYA	S/C	67	0	1.2	0.0	1.2	
17	220 kV	MALANPUR-AURAIYA	S/C	75	2	0.6	0.0	0.6	
18	132 kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						WR-NR	50.4	131.2	-80.8
<b>Import/Export of WR (With SR)</b>									
1	HVDC	BHADRAWATI B/B	-	0	816	0.0	19.6	-19.6	
2	HVDC	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
3	765 kV	SOLAPUR-RAICHUR	D/C	187	2194	0.1	28.1	-28.0	
4	765 kV	WARDHA-NIZAMABAD	D/C	0	2360	0.0	41.4	-41.4	
5	400 kV	KOLHAPUR-KUDGI	D/C	371	312	1.2	2.1	-0.8	
6	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
7	220 kV	PONDA-AMBEWADI	S/C	0	69	0.0	1.4	-1.4	
8	220 kV	XELDEM-AMBEWADI	S/C	0	77	1.5	0.0	1.5	
						WR-SR	2.8	92.6	-89.8

**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	113	91	83	2.0
	ER	MANGDECHHU (4 x 180) ALIPURDUAR RECEIPT	306	265	221	5.3
	ER	TALA ( 6 * 170 ) BINAGURI RECEIPT	303	253	269	6.5
	NER	132KV-SALAKATI - GELEPHU	4	0	4	0.1
	NER	132KV-RANGIA - DEOTHANG	0	0	23	0.5
NEPAL	NR	132KV-Tanakpur(NH) - Mahendranagar(PG)	0	0	0	0.0
	ER	132KV-BIHAR - NEPAL	-15	-6	-6	-0.1
	ER	220KV-MUZAFFARPUR - DHALKEBAR DC	-82	-2	-8	-0.2
BANGLADESH	ER	Bheramara HVDC(Bangladesh)	-742	-204	-376	-9.0
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	61	0	-47	-1.1
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	60	0	-47	-1.1