



**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> June 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 01.06.2020.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.5.5.1 के प्रावधान के अनुसार, दिनांक 01-जून-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 01<sup>st</sup> Jun 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-Jun-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)	43257	40809	35541	17237	2486	139330
Peak Shortage (MW)	489	0	0	0	82	571
Energy Met (MU)	945	1026	861	374	42	3247
Hydro Gen (MU)	290	41	76	102	17	526
Wind Gen (MU)	19	44	51	-	-	114
Solar Gen (MU)*	36.67	23.62	70.54	4.81	0.03	136
Energy Shortage (MU)	10.0	0.0	0.0	0.0	1.7	11.7
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	46594	47400	39199	17421	2510	144503
Time Of Maximum Demand Met (From NLDC SCADA)	22:21	15:29	12:42	00:01	19:28	14:47

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	0.035	0.00	0.00	3.07	3.07	68.79	28.14

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	6279	0	134.9	102.4	-0.9	203	0.0
	Haryana	5782	0	109.4	98.2	1.0	443	0.0
	Rajasthan	9815	0	197.4	61.5	-2.9	790	0.0
	Delhi	3765	0	74.6	64.7	-2.1	178	0.0
	UP	17818	0	331.0	183.4	0.1	387	0.2
	Uttarakhand	1480	0	29.4	11.6	-0.9	116	0.0
	HP	1197	0	22.7	-2.5	0.9	178	0.0
	J&K(UT) & Ladakh(UT)	2032	508	41.3	18.6	-0.4	217	9.8
WR	Chandigarh	190	0	3.9	4.1	-0.2	5	0.0
	Chhattisgarh	3468	0	72.7	35.7	-2.1	574	0.0
	Gujarat	15924	0	325.4	103.4	3.1	558	0.0
	MP	9013	0	200.7	100.1	-1.3	588	0.0
	Maharashtra	18183	0	388.3	133.1	-4.8	982	0.0
	Goa	411	0	9.1	8.8	-0.3	85	0.0
	DD	208	0	4.5	4.3	0.1	22	0.0
	DNH	417	0	9.2	9.3	0.0	38	0.0
SR	AMNSIL	835	0	15.9	1.0	0.4	199	0.0
	Andhra Pradesh	8926	0	178.2	97.3	1.9	703	0.0
	Telangana	6786	0	138.5	61.8	1.1	922	0.0
	Karnataka	8938	0	164.5	60.9	1.0	706	0.0
	Kerala	3195	0	68.3	43.8	0.9	281	0.0
	Tamil Nadu	13365	0	303.3	134.5	-1.0	704	0.0
ER	Puducherry	372	0	7.7	8.1	-0.4	31	0.0
	Bihar	5032	0	94.1	90.8	-2.5	200	0.0
	DVC	2595	0	54.9	-28.3	1.3	220	0.0
	Jharkhand	1068	0	20.3	14.9	-3.0	150	0.0
	Odisha	4214	0	80.3	8.2	0.4	350	0.0
NER	West Bengal	6117	0	123.1	40.3	0.7	285	0.0
	Sikkim	96	0	1.2	1.3	-0.1	20	0.0
	Arunachal Pradesh	108	0	1.5	1.8	-0.3	43	0.0
	Assam	1525	53	24.2	20.6	-0.1	156	1.6
	Manipur	185	1	2.5	2.3	0.2	40	0.0
	Meghalaya	278	0	5.2	1.6	-0.4	44	0.0
	Mizoram	97	0	1.5	1.5	-0.1	11	0.0
Nagaland	119	0	2.5	2.1	0.2	17	0.0	
Tripura	270	2	4.4	4.7	0.0	19	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	36.2	-0.3	-25.7
Day Peak (MW)	1791.5	-141.1	-1048.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	184.0	-184.7	112.8	-108.6	-3.5	0.0
Actual(MU)	162.0	-173.1	124.5	-108.2	-6.4	-1.6
O/D/U/D(MU)	-22.0	11.1	11.8	0.4	-2.9	-1.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL
Central Sector	4895	19084	9362	1450	344	35134
State Sector	17200	19770	10958	5146	11	53085
Total	22095	38854	20320	6596	355	88219

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	353	964	409	418	10	2155
Lignite	19	14	37	0	0	69
Hydro	290	41	76	102	17	526
Nuclear	27	36	47	0	0	110
Gas, Naptha & Diesel	27	82	17	0	27	152
RES (Wind, Solar, Biomass & Others)	77	81	161	5	0	324
Total	793	1218	747	526	54	3337

Share of RES in total generation (%)	9.76	6.62	21.61	0.92	0.06	9.72
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	49.72	12.98	38.00	20.40	31.33	28.78

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.060
Based on State Max Demands	1.108

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-Jun-2020

SI 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	307	0.0	6.7	-6.7	
2	HVDC	PUSAULI B/B	S/C	0	249	0.0	6.1	-6.1	
3	765 kV	GAYA-VARANASI	D/C	0	360	0.0	4.6	-4.6	
4	765 kV	SASARAM-FATEHPUR	S/C	169	200	0.0	0.4	-0.4	
5	765 kV	GAYA-BALIA	S/C	0	397	0.0	5.8	-5.8	
6	400 kV	PUSAULI-VARANASI	S/C	0	224	0.0	4.4	-4.4	
7	400 kV	PUSAULI-ALLAHABAD	S/C	0	114	0.0	1.5	-1.5	
8	400 kV	MUZAFFARPUR-GORAKHPUR	D/C	0	739	0.0	11.6	-11.6	
9	400 kV	PATNA-BALIA	Q/C	0	833	0.0	13.6	-13.6	
10	400 kV	BIHARSHARIFF-BALIA	D/C	0	317	0.0	4.4	-4.4	
11	400 kV	MOTIHARI-GORAKHPUR	D/C	0	312	0.0	4.7	-4.7	
12	400 kV	BIHARSHARIFF-VARANASI	D/C	152	177	0.0	0.6	-0.6	
13	220 kV	PUSAULI-SAHUPURI	S/C	6	170	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	0.3	0.0	0.3	
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	
						<b>ER-NR</b>	<b>0.3</b>	<b>67.0</b>	<b>-66.7</b>
<b>Import/Export of ER (With WR)</b>									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	889	22	11.4	0.0	11.4	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	D/C	728	250	6.6	0.0	6.6	
3	765 kV	JHARSUGUDA-DURG	D/C	0	286	0.0	3.7	-3.7	
4	400 kV	JHARSUGUDA-RAIGARH	Q/C	62	336	0.0	3.5	-3.5	
5	400 kV	RANCHI-SIPAT	D/C	247	82	1.9	0.0	1.9	
6	220 kV	BUDHIPADAR-RAIGARH	S/C	0	101	0.0	1.6	-1.6	
7	220 kV	BUDHIPADAR-KORBA	D/C	136	37	1.3	0.0	1.3	
						<b>ER-WR</b>	<b>21.2</b>	<b>8.7</b>	<b>12.5</b>
<b>Import/Export of ER (With SR)</b>									
1	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0	462	0.0	8.5	-8.5	
2	HVDC	TALCHER-KOLAR BIPOLE	D/C	0	1648	0.0	28.2	-28.2	
3	765 kV	ANGUL-SRIKAKULAM	D/C	0	2729	0.0	55.6	-55.6	
4	400 kV	TALCHER-I/C	D/C	1094	978	12.0	0.0	12.0	
5	220 kV	BALIMELA-UPPER-SILERRU	S/C	1	0	0.0	0.0	0.0	
						<b>ER-SR</b>	<b>0.0</b>	<b>92.3</b>	<b>-92.3</b>
<b>Import/Export of ER (With NER)</b>									
1	400 kV	BINAGURI-BONGAIGAON	D/C	98	309	0.0	1.2	-1.2	
2	400 kV	ALIPURDUAR-BONGAIGAON	D/C	26	525	0.0	4.1	-4.1	
3	220 kV	ALIPURDUAR-SALAKATI	D/C	4	109	0.0	1.0	-1.0	
						<b>ER-NER</b>	<b>0.0</b>	<b>6.2</b>	<b>-6.2</b>
<b>Import/Export of ER (With NR)</b>									
1	HVDC	BISWANATH CHARIALI-AGRA	-	0	704	0.0	14.5	-14.5	
						<b>NER-NR</b>	<b>0.0</b>	<b>14.5</b>	<b>-14.5</b>
<b>Import/Export of WR (With NR)</b>									
1	HVDC	CHAMPA-KURUKSHETRA	D/C	0	566	0.0	17.6	-17.6	
2	HVDC	V'CHAL B/B	D/C	50	204	0.8	4.5	-3.8	
3	HVDC	APL -MHG	D/C	0	980	0.0	24.3	-24.3	
4	765 kV	GWALIOR-AGRA	D/C	0	1883	0.0	25.6	-25.6	
5	765 kV	PHAGI-GWALIOR	D/C	0	915	0.0	12.7	-12.7	
6	765 kV	JABALPUR-ORAI	D/C	0	737	0.0	23.0	-23.0	
7	765 kV	GWALIOR-ORAI	S/C	417	0	7.3	0.0	7.3	
8	765 kV	SATNA-ORAI	S/C	0	1016	0.0	18.9	-18.9	
9	765 kV	CHITORGARH-BANASKANTHA	D/C	847	671	0.0	3.0	-3.0	
10	400 kV	ZERDA-KANKROLI	S/C	262	55	3.2	0.0	3.2	
11	400 kV	ZERDA -BHINMAL	S/C	284	157	1.2	0.0	1.2	
12	400 kV	V'CHAL -RIHAND	S/C	973	0	22.4	0.0	22.4	
13	400 kV	RAPP-SHUJALPUR	D/C	261	220	0.3	0.0	0.3	
14	220 kV	BHANPURA-RANPUR	S/C	26	67	1.0	2.3	-1.3	
15	220 kV	BHANPURA-MORAK	S/C	17	93	0.0	0.0	0.0	
16	220 kV	MEHGAON-AURAIYA	S/C	91	0	0.0	0.0	0.0	
17	220 kV	MALANPUR-AURAIYA	S/C	0	0	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	RAJGHAT-LALITPUR	D/C	0	0	0.0	0.0	0.0	
						<b>WR-NR</b>	<b>36.1</b>	<b>132.0</b>	<b>-95.9</b>
<b>Import/Export of WR (With SR)</b>									
1	HVDC	BHADRAWATI B/B	-	0	620	0.0	12.8	-12.8	
2	HVDC	BARSUR-L.SILERU	-	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	2017	0.0	26.1	-26.1	
5	765 kV	WARDHA-NIZAMABAD	D/C	0	2162	0.0	41.0	-41.0	
6	400 kV	KOLHAPUR-KUDGI	D/C	487	75	5.4	0.1	5.4	
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	98	1.6	0.0	1.6	
						<b>WR-SR</b>	<b>7.0</b>	<b>80.0</b>	<b>-73.0</b>
<b>INTERNATIONAL EXCHANGES</b>									
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	182	175	160	3.9			
	ER	MANGDECHHU (4 x 180) ALIPURDUAR RECEIPT	778	708	602	14.5			
	ER	TALA ( 6 * 170 ) BINAGURI RECEIPT	676	543	604	14.5			
	NER	132KV-SALAKATI - GELEPHU	0	0	25	0.6			
	NER	132KV-RANGIA - DEOTHANG	0	0	46	1.1			
NEPAL	NR	132KV-Tanakpur(NH) - Mahendranagar(PG)	0	0	0	-0.1			
	ER	132KV-BIHAR - NEPAL	-11	-1	-3	-0.1			
	ER	220KV-MUZAFFARPUR - DHALKEBAR DC	-116	-4	-9	-0.2			
BANGLADESH	ER	Bheramara HVDC(Bangladesh)	-964	-742	-929	-22.3			
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	0	0	-71	-1.7			
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	84	0	-71	-1.7			