



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: 03<sup>rd</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., 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 02.06.2020.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 02-जून-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 02<sup>nd</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: 03-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)	44705	38432	35759	18165	2398	139459
Peak Shortage (MW)	518	0	0	0	209	727
Energy Met (MU)	996	986	847	389	42	3260
Hydro Gen (MU)	280	42	58	102	16	498
Wind Gen (MU)	20	48	77	-	-	145
Solar Gen (MU)*	40.61	20.20	77.82	4.78	0.04	143
Energy Shortage (MU)	10.2	0.0	0.0	0.0	2.4	12.6
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	48347	43390	39171	18494	2474	144295
Time Of Maximum Demand Met (From NLDC SCADA)	22:23	00:26	14:55	23:12	18:57	14:53

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	0.039	0.00	0.51	5.99	6.50	73.85	19.65

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	6572	0	141.5	108.4	-0.9	166	0.0
	Haryana	5900	0	119.1	108.7	0.3	594	0.0
	Rajasthan	9767	0	201.2	61.7	-0.9	753	0.0
	Delhi	4037	0	81.1	71.4	-2.3	230	0.0
	UP	18300	0	348.7	199.9	0.5	638	0.0
	Uttarakhand	1535	0	33.2	15.2	0.6	147	0.0
	HP	1236	0	24.3	-0.5	1.0	149	0.0
	J&K(UT) & Ladakh(UT)	2236	559	42.7	17.9	1.8	349	10.2
	Chandigarh	206	0	4.0	4.3	-0.3	24	0.0
	Chhattisgarh	3448	0	73.7	31.2	-1.3	259	0.0
WR	Gujarat	14818	0	314.4	95.3	3.7	867	0.0
	MP	8494	0	184.4	91.6	-2.8	516	0.0
	Maharashtra	16956	0	374.1	127.7	-4.7	641	0.0
	Goa	365	0	8.2	8.2	-0.5	47	0.0
	DD	215	0	4.6	4.5	0.1	21	0.0
	DNH	419	0	9.2	9.2	0.0	40	0.0
	AMNSIL	803	0	17.8	1.4	0.7	276	0.0
SR	Andhra Pradesh	8676	0	172.0	79.8	0.4	497	0.0
	Telangana	6639	0	140.2	62.7	-0.1	645	0.0
	Karnataka	7896	0	155.9	59.1	-3.9	524	0.0
	Kerala	3175	0	65.6	44.5	0.6	201	0.0
	Tamil Nadu	13589	0	305.1	134.0	-2.4	616	0.0
	Puducherry	377	0	7.9	8.1	-0.3	33	0.0
ER	Bihar	5333	0	99.6	94.6	0.3	310	0.0
	DVC	2698	0	57.9	-32.6	0.5	161	0.0
	Jharkhand	1290	0	23.6	16.1	-0.9	138	0.0
	Odisha	3593	0	75.6	13.8	-1.1	95	0.0
	West Bengal	6686	0	130.9	41.2	2.0	259	0.0
NER	Sikkim	97	0	1.3	1.4	-0.1	8	0.0
	Arunachal Pradesh	106	0	2.0	2.0	0.0	37	0.0
	Assam	1467	137	24.8	20.5	0.0	137	2.3
	Manipur	188	1	2.4	2.4	0.0	24	0.0
	Meghalaya	306	0	5.0	1.8	-0.3	75	0.0
	Mizoram	96	0	1.6	1.4	0.1	28	0.0
	Nagaland	117	0	2.2	2.1	0.0	15	0.0
	Tripura	276	3	4.4	5.1	-0.3	43	0.0

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	32.7	-1.0	-26.0
Day Peak (MW)	1466.4	-228.4	-1124.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	229.6	-229.0	99.6	-95.9	-4.3	0.0
Actual(MU)	219.2	-232.1	107.4	-89.2	-5.3	-0.1
O/D/U/D(MU)	-10.4	-3.1	7.8	6.7	-1.1	-0.1

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL
Central Sector	4895	18284	9362	2185	344	35069
State Sector	18225	21506	11998	5146	11	56886
Total	23120	39790	21360	7331	355	91955

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	357	985	400	408	9	2160
Lignite	20	12	33	0	0	66
Hydro	280	42	59	102	16	498
Nuclear	27	36	47	0	0	111
Gas, Naptha & Diesel	28	80	16	0	28	151
RES (Wind, Solar, Biomass & Others)	83	78	197	5	0	362
Total	795	1234	752	514	54	3348
Share of RES in total generation (%)	10.40	6.32	26.16	0.94	0.07	10.82
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	49.05	12.68	40.18	20.69	30.40	29.00

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.053
Based on State Max Demands	1.094

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: 03-Jun-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	307	0.0	7.3	-7.3	
2	HVDC	PUSAULI B/B	S/C	3	248	0.0	5.6	-5.6	
3	765 kV	GAYA-VARANASI	D/C	0	531	0.0	5.5	-5.5	
4	765 kV	SASARAM-FATEHPUR	S/C	192	82	0.8	0.0	0.8	
5	765 kV	GAYA-BALIA	S/C	0	424	0.0	6.8	-6.8	
6	400 kV	PUSAULI-VARANASI	S/C	0	217	0.0	4.3	-4.3	
7	400 kV	PUSAULI-ALLAHABAD	S/C	41	95	0.0	1.6	-1.6	
8	400 kV	MUZAFFARPUR-GORAKHPUR	D/C	0	692	0.0	11.5	-11.5	
9	400 kV	PATNA-BALIA	Q/C	0	744	0.0	12.4	-12.4	
10	400 kV	BIHARSHARIF-BALIA	D/C	0	301	0.0	4.5	-4.5	
11	400 kV	MOTIHARI-GORAKHPUR	D/C	0	313	0.0	5.0	-5.0	
12	400 kV	BIHARSHARIF-VARANASI	D/C	149	118	0.5	0.0	0.5	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	177	0.0	3.2	-3.2	
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	1.7	67.5	-65.8
<b>Import/Export of ER (With WR)</b>									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1305	0	20.3	0.0	20.3	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	D/C	1138	0	17.9	0.0	17.9	
3	765 kV	JHARSUGUDA-DURG	D/C	92	143	0.0	0.7	-0.7	
4	400 kV	JHARSUGUDA-RAIGARH	Q/C	298	143	2.5	0.0	2.5	
5	400 kV	RANCHI-SIPAT	D/C	427	0	6.5	0.0	6.5	
6	220 kV	BUDHIPADAR-RAIGARH	S/C	86	68	0.0	0.2	-0.2	
7	220 kV	BUDHIPADAR-KORBA	D/C	221	0	2.5	0.0	2.5	
						ER-WR	49.7	1.0	48.7
<b>Import/Export of ER (With SR)</b>									
1	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0	437	0.0	9.9	-9.9	
2	HVDC	TALCHER-KOLAR BIPOLE	D/C	0	1654	0.0	47.9	-47.9	
3	765 kV	ANGUL-SRIKAKULAM	D/C	0	2489	0.0	44.7	-44.7	
4	400 kV	TALCHER-I/C	D/C	0	1004	0.0	11.1	-11.1	
5	220 kV	BALIMELA-UPPER-SILERRU	S/C	1	0	0.0	0.0	0.0	
						ER-SR	0.0	102.5	-102.5
<b>Import/Export of ER (With NER)</b>									
1	400 kV	BINAGURI-BONGAIGAOON	D/C	0	344	0.0	3.1	-3.1	
2	400 kV	ALIPURDUAR-BONGAIGAOON	D/C	0	540	0.0	6.0	-6.0	
3	220 kV	ALIPURDUAR-SALAKATI	D/C	0	112	0.0	1.3	-1.3	
						ER-NER	0.0	10.4	-10.4
<b>Import/Export of NER (With NR)</b>									
1	HVDC	BISWANATH CHARIALI-AGRA	-	0	705	0.0	16.9	-16.9	
						NER-NR	0.0	16.9	-16.9
<b>Import/Export of WR (With NR)</b>									
1	HVDC	CHAMPA-KURUKSHETRA	D/C	0	901	0.0	22.6	-22.6	
2	HVDC	V'CHAL B/B	D/C	50	508	0.5	4.5	-4.0	
3	HVDC	APL -MHG	D/C	0	982	0.0	24.3	-24.3	
4	765 kV	GWALIOR-AGRA	D/C	0	2294	0.0	41.3	-41.3	
5	765 kV	PHAGI-GWALIOR	D/C	0	1118	0.0	19.4	-19.4	
6	765 kV	JABALPUR-ORAI	D/C	0	1194	0.0	27.7	-27.7	
7	765 kV	GWALIOR-ORAI	S/C	373	0	4.7	0.0	4.7	
8	765 kV	SAINA-ORAI	S/C	0	1350	0.0	26.0	-26.0	
9	765 kV	CHITORGARH-BANASKANTHA	D/C	557	936	0.0	2.9	-2.9	
10	400 kV	ZERDA-KANKROLI	S/C	266	119	1.3	0.0	1.3	
11	400 kV	ZERDA-BHINMAL	S/C	229	171	0.0	0.7	-0.7	
12	400 kV	V'CHAL -RIHAND	S/C	973	0	23.3	0.0	23.3	
13	400 kV	RAPP-SHUALPUR	D/C	123	339	0.0	1.6	-1.6	
14	220 kV	BHANPURA-RANPUR	S/C	11	85	1.7	1.9	-0.2	
15	220 kV	BHANPURA-MORAK	S/C	0	121	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	RAIGHAT-LALITPUR	D/C	0	0	0.0	0.0	0.0	
						WR-NR	31.5	172.8	-141.3
<b>Import/Export of WR (With SR)</b>									
1	HVDC	BHADRAWATI B/B	-	0	312	0.0	7.4	-7.4	
2	HVDC	BARBURI-SILERI	-	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-RAICHER	D/C	944	1727	3.5	16.3	-12.8	
5	765 kV	WARDHA-NIZAMABAD	D/C	0	2118	0.0	32.2	-32.2	
6	400 kV	KOLHAPUR-KUDGI	D/C	696	0	9.9	0.0	9.9	
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	106	1.4	0.0	1.4	
						WR-SR	14.8	55.8	-41.0

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	174	153	149	3.6
	ER	MANGDECHHU (4 x 180) ALIPURDUAR RECEIPT	585	583	540	13.0
	ER	TALA ( 6 * 170 ) BINAGURI RECEIPT	552	522	538	12.9
	NER	132KV-SALAKATI - GELEPHU	0	0	22	0.5
NEPAL	NR	132KV-Tanakpur(NH) - Mahendranagar(PG)	0	0	0	-0.2
	ER	132KV-BIHAR - NEPAL	-63	-2	-21	-0.5
	ER	220KV-MUZAFFARPUR - DHALKEBAR DC	-148	-6	-14	-0.3
BANGLADESH	ER	Bheramara HVDC(Bangladesh)	-961	-754	-933	-22.4
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	82	0	-75	-1.8
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	81	0	-75	-1.8