National Load Despatch Centre
राष्ट्रीय भार प्रेषण केंद्र
POWER SYSTEM OPERATION CORPORATION LIMITED
पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड
(Government of India Enterprise/ भारत सरकार का उद्यम)
B-9, QUTUB INSTITUTIONAL AREA, KATWARIA SARAI, NEW DELHI -110016
बी-9, क़ुतुब इन्स्टीट्यूशनल एरिया, कटवारिया सराये, न्यू दिल्ली-110016

Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 08th Jun 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., डोंगतिएह, 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 07.06.2020.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 07-जून-2020 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रा०भा०प्रे०के० की वेबसाइट पर उप्लब्ध 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 07th 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:** **08-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)	43152	37554	33990	19555	2495	136746
Peak Shortage (MW)	541	0	0	0	70	611
Energy Met (MU)	985	914	848	428	45	3220
Hydro Gen (MU)	286	41	60	119	22	529
Wind Gen (MU)	20	65	150	-	-	235
Solar Gen (MU)*	40.10	22.60	71.31	4.90	0.03	139
Energy Shortage (MU)	9.1	0.0	0.0	0.0	0.3	9.4
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	47856	38649	37741	20856	2499	143654
Time Of Maximum Demand Met (From NLDC SCADA)	22:22	11:53	16:01	00:01	20:27	22:31

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	0.042	0.00	0.00	1.31	1.31	65.55	33.14

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	6349	0	142.2	105.4	0.1	210	0.0
	Haryana	6082	0	116.8	109.4	-1.6	400	0.0
	Rajasthan	9717	0	205.9	74.5	-0.3	523	0.0
	Delhi	4192	0	79.8	70.3	-2.9	198	0.0
	UP	18569	0	344.5	186.1	-1.1	447	0.0
	Uttarakhand	1486	0	32.3	14.4	0.0	155	0.0
	HP	1071	0	21.5	-0.9	-1.7	38	0.0
	J&K(UT) & Ladakh(UT)	2177	544	38.2	15.8	-0.7	326	9.1
	Chandigarh	174	0	3.5	3.8	-0.2	36	0.0
WR	Chhattisgarh	3482	0	78.5	25.1	-2.0	230	0.0
	Gujarat	11834	0	261.7	92.0	0.1	644	0.0
	MP	7862	0	170.2	93.7	-1.7	554	0.0
	Maharashtra	16430	0	366.4	133.1	1.7	414	0.0
	Goa	363	0	7.6	7.2	-0.1	93	0.0
	DD	229	0	5.1	4.7	0.4	38	0.0
	DNH	456	0	10.4	10.3	0.1	0	0.0
	AMNSIL	760	0	14.4	1.8	0.3	269	0.0
SR	Andhra Pradesh	9046	0	182.6	64.3	1.5	642	0.0
	Telangana	6978	0	151.9	81.6	1.9	500	0.0
	Karnataka	8448	0	170.2	62.6	0.0	727	0.0
	Kerala	2870	0	57.1	39.0	0.5	201	0.0
	Tamil Nadu	12173	0	279.2	114.2	-2.1	498	0.0
	Puducherry	338	0	7.0	7.1	-0.2	54	0.0
ER	Bihar	5328	0	99.8	96.3	-2.1	330	0.0
	DVC	2753	0	60.6	-30.8	0.4	344	0.0
	Jharkhand	1369	0	26.9	20.1	-1.7	125	0.0
	Odisha	4189	0	91.1	21.8	-0.3	310	0.0
	West Bengal	7910	0	149.0	50.4	2.9	512	0.0
	Sikkim	80	0	1.0	1.1	-0.1	14	0.0
NER	Arunachal Pradesh	102	1	2.0	1.9	0.1	11	0.0
	Assam	1575	40	27.2	22.4	0.6	153	0.3
	Manipur	181	2	2.4	2.4	0.0	22	0.0
	Meghalaya	322	0	5.1	1.0	-0.3	29	0.0
	Mizoram	90	1	1.7	1.3	0.1	6	0.0
	Nagaland	108	1	2.1	2.1	-0.2	17	0.0
	Tripura	272	12	4.4	5.1	-0.3	48	0.0

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	44.3	-0.5	-25.5
Day Peak (MW)	1964.5	-162.7	-1132.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	232.6	-249.7	104.2	-82.0	-5.1	0.0
Actual(MU)	205.4	-232.4	108.2	-76.8	-7.8	-3.4
O/D/U/D(MU)	-27.2	17.3	4.0	5.2	-2.7	-3.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL
Central Sector	5407	17363	11622	2220	344	36955
State Sector	16965	25121	14458	5962	11	62517
Total	22372	42484	26080	8182	355	99472

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	346	888	320	414	10	1978
Lignite	26	14	36	0	0	76
Hydro	286	41	60	119	22	529
Nuclear	27	37	47	0	0	111
Gas, Naptha & Diesel	30	76	16	0	27	149
RES (Wind, Solar, Biomass & Others)	82	98	272	5	0	457
Total	797	1155	751	538	59	3300
Share of RES in total generation (%)	10.29	8.53	36.17	0.92	0.05	13.85
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	49.66	15.27	50.39	23.09	37.68	33.24

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.027
Based on State Max Demands	1.082

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: 08-Jun-2020

Sl No	Voltage Level	Line Details	Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
Import/Export of ER (With NR)								
1	HVDC	ALIPURDUAR-AGRA	-	0	501	0.0	11.1	-11.1
2	HVDC	PUSAULI B/B	S/C	0	398	0.0	6.6	-6.6
3	765 kV	GAYA-VARANASI	D/C	31	365	0.0	3.4	-3.4
4	765 kV	SASARAM-FATEHPUR	S/C	249	64	2.0	0.0	2.0
5	765 kV	GAYA-BALIA	S/C	0	378	0.0	5.0	-5.0
6	400 kV	PUSAULI-VARANASI	S/C	0	314	0.0	5.0	-5.0
7	400 kV	PUSAULI -ALLAHABAD	S/C	0	114	0.0	1.4	-1.4
8	400 kV	MUZAFFARPUR-GORAKHPUR	D/C	0	628	0.0	10.7	-10.7
9	400 kV	PATNA-BALIA	Q/C	0	577	0.0	10.4	-10.4
10	400 kV	BIHARSHARIFF-BALIA	D/C	0	238	0.0	3.3	-3.3
11	400 kV	MOTIHARI-GORAKHPUR	D/C	0	263	0.0	4.0	-4.0
12	400 kV	BIHARSHARIFF-VARANASI	D/C	179	92	1.2	0.0	1.2
13	220 kV	PUSAULI-SAHUPURI	S/C	0	170	0.0	3.0	-3.0
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	2	0.0	0.0	0.0
17	132 kV	KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0
					ER-NR	3.6	63.7	-60.1
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	953	0	15.4	0.0	15.4
2	765 kV	NEW RANCHI-DHARAMJAIGARH	D/C	1290	0	15.3	0.0	15.3
3	765 kV	JHARSUGUDA-DURG	D/C	85	154	0.0	0.7	-0.7
4	400 kV	JHARSUGUDA-RAIGARH	Q/C	511	57	3.9	0.0	3.9
5	400 kV	RANCHI-SIPAT	D/C	437	0	5.5	0.0	5.5
6	220 kV	BUDHIPADAR-RAIGARH	S/C	46	65	0.0	0.1	-0.1
7	220 kV	BUDHIPADAR-KORBA	D/C	211	0	4.1	0.0	4.1
					ER-WR	44.2	0.9	43.3
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0	324	0.0	7.3	-7.3
2	HVDC	TALCHER-KOLAR BIPOLE	D/C	0	1274	0.0	36.1	-36.1
3	765 kV	ANGUL-SRIKAKULAM	D/C	0	2668	0.0	48.6	-48.6
4	400 kV	TALCHER-I/C	D/C	413	508	0.0	1.8	-1.8
5	220 kV	BALIMELA-UPPER-SILERRU	S/C	1	0	0.0	0.0	0.0
					ER-SR	0.0	92.0	-92.0
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	D/C	31	316	0.0	2.2	-2.2
2	400 kV	ALIPURDUAR-BONGAIGAON	D/C	35	466	0.0	4.1	-4.1
3	220 kV	ALIPURDUAR-SALAKATI	D/C	0	101	0.0	1.2	-1.2
					ER-NER	0.0	7.5	-7.5
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	-	0	704	0.0	16.8	-16.8
					NER-NR	0.0	16.8	-16.8
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	D/C	0	751	0.0	20.4	-20.4
2	HVDC	V'CHAL B/B	D/C	297	355	1.6	5.3	-3.7
3	HVDC	APL -MHG	D/C	0	981	0.0	24.3	-24.3
4	765 kV	GWALIOR-AGRA	D/C	0	2426	0.0	32.3	-32.3
5	765 kV	PHAGI-GWALIOR	D/C	0	1168	0.0	19.2	-19.2
6	765 kV	JABALPUR-ORAI	D/C	0	921	0.0	28.8	-28.8
7	765 kV	GWALIOR-ORAI	S/C	365	0	6.6	0.0	6.6
8	765 kV	SATNA-ORAI	S/C	0	1363	0.0	24.0	-24.0
9	765 kV	CHITORGARH-BANASKANTHA	D/C	207	989	0.0	8.7	-8.7
10	400 kV	ZERDA-KANKROLI	S/C	117	133	0.3	0.0	0.3
11	400 kV	ZERDA -BHINMAL	S/C	235	190	1.5	0.0	1.5
12	400 kV	V'CHAL -RIHAND	S/C	968	0	22.1	0.0	22.1
13	400 kV	RAPP-SHUJALPUR	D/C	97	324	0.0	2.4	-2.4
14	220 kV	BHANPURA-RANPUR	S/C	27	76	1.5	2.1	-0.6
15	220 kV	BHANPURA-MORAK	S/C	0	90	0.0	0.0	0.0
16	220 kV	MEHGAON-AURAIYA	S/C	130	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
					WR-NR	33.5	167.3	-133.8
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	0	820	0.0	19.2	-19.2
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	918	1563	0.0	10.5	-10.5
5	765 kV	WARDHA-NIZAMABAD	D/C	0	2112	0.0	35.3	-35.3
6	400 kV	KOLHAPUR-KUDGI	D/C	817	54	9.0	0.0	9.0
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	1	96	1.6	0.0	1.6
					WR-SR	10.6	64.9	-54.3

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	260	255	201	4.8
	ER	MANGDECHHU (4 x 180) ALIPURDUAR RECEIPT	592	584	569	13.7
	ER	TALA (6 * 170) BINAGURI RECEIPT	957	949	957	23.0
	NER	132KV-SALAKATI - GELEPHU	6	0	10	0.2
	NER	132KV-RANGIA - DEOTHANG	0	0	50	1.2
NEPAL	NR	132KV-Tanakpur(NH) - Mahendranagar(PG)	-18	0	-3	-0.1
	ER	132KV-BIHAR - NEPAL	-31	-3	-6	-0.1
	ER	220KV-MUZAFFARPUR - DHALKEBAR DC	-114	-2	-13	-0.3
BANGLADESH	ER	Bheramara HVDC(Bangladesh)	-964	-766	-923	-22.1
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	84	0	-69	-1.7
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	84	0	-72	-1.7