



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: 08th Jul 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 07.07.2020.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 07-जुलाई-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 07th July 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-Jul-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)	53050	39722	36888	20780	2713	153153
Peak Shortage (MW)	518	0	0	0	153	671
Energy Met (MU)	1278	943	854	437	51	3564
Hydro Gen (MU)	360	32	66	145	27	631
Wind Gen (MU)	7	104	170	-	-	282
Solar Gen (MU)*	34.06	17.50	68.96	4.47	0.04	125
Energy Shortage (MU)	10.5	0.0	0.0	0.0	0.1	10.6
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	57955	41413	39785	21007	2769	155230
Time Of Maximum Demand Met (From NLDC SCADA)	00:01	11:55	14:55	22:45	19:52	11:55

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	0.030	0.00	0.03	4.94	4.98	80.81	14.21

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	12087	0	270.0	153.5	-1.6	104	0.0
	Haryana	8947	0	190.9	159.0	-0.2	149	0.0
	Rajasthan	11175	0	240.5	91.5	1.7	678	0.0
	Delhi	4894	0	99.9	87.3	-2.6	157	0.0
	UP	19070	0	360.0	179.1	-1.6	291	0.0
	Uttarakhand	1812	0	37.9	18.3	-1.0	163	0.0
	HP	1415	0	29.0	-0.8	-1.0	85	0.0
	J&K(UT) & Ladakh(UT)	2190	547	44.0	20.8	0.2	238	10.5
	Chandigarh	333	0	5.9	6.4	-0.5	34	0.0
	Chhattisgarh	3875	0	89.4	27.5	0.6	234	0.0
WR	Gujarat	12136	0	261.2	61.6	4.4	650	0.0
	MP	8450	0	189.3	131.2	2.5	673	0.0
	Maharashtra	16786	0	359.8	127.7	1.1	645	0.0
	Goa	437	0	8.9	8.6	-0.2	69	0.0
	DD	239	0	5.0	5.0	0.0	48	0.0
	DNH	583	0	12.7	12.8	-0.1	158	0.0
	AMNSIL	782	0	17.1	6.8	0.5	254	0.0
SR	Andhra Pradesh	7812	0	161.4	44.0	0.9	737	0.0
	Telangana	8334	0	167.8	73.4	0.9	897	0.0
	Karnataka	9400	0	171.6	50.9	-1.2	544	0.0
	Kerala	3041	0	62.2	47.2	0.2	213	0.0
	Tamil Nadu	13211	0	283.8	111.0	-2.7	1127	0.0
	Puducherry	359	0	7.5	8.1	-0.6	20	0.0
ER	Bihar	5420	0	102.4	100.4	-1.4	562	0.0
	DVC	2811	0	61.5	-39.4	-0.5	303	0.0
	Jharkhand	1409	0	25.8	18.6	-1.2	244	0.0
	Odisha	3974	0	82.8	10.5	0.1	370	0.0
	West Bengal	7651	0	163.5	49.2	1.7	537	0.0
NER	Sikkim	91	0	1.3	1.5	-0.2	11	0.0
	Arunachal Pradesh	112	2	2.0	1.7	0.2	86	0.0
	Assam	1782	34	32.3	27.5	0.4	154	0.0
	Manipur	184	2	2.5	2.4	0.1	60	0.0
	Meghalaya	315	1	5.8	-0.6	-0.1	58	0.0
	Mizoram	95	1	1.6	1.2	0.2	45	0.0
	Nagaland	123	2	2.4	2.5	-0.4	0	0.0
	Tripura	278	3	4.9	5.8	0.5	79	0.0

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	54.1	-1.7	-26.5
Day Peak (MW)	2326.0	-263.1	-1136.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	323.2	-303.2	94.8	-108.0	-6.8	0.0
Actual(MU)	309.3	-309.1	103.5	-102.5	-6.1	-4.8
O/D/U/D(MU)	-13.9	-5.9	8.8	5.4	0.8	-4.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL
Central Sector	5756	13893	13832	3080	330	36891
State Sector	9119	24882	13793	4592	47	52433
Total	14875	38775	27625	7672	376	89324

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	499	961	323	436	10	2229
Lignite	26	13	14	0	0	53
Hydro	360	32	66	145	27	631
Nuclear	27	32	47	0	0	105
Gas, Naptha & Diesel	25	71	20	0	27	142
RES (Wind, Solar, Biomass & Others)	61	136	291	5	0	492
Total	997	1244	761	586	64	3651
Share of RES in total generation (%)	6.09	10.90	38.20	0.77	0.06	13.47
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	44.90	16.01	53.08	25.57	42.62	33.62

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.050
Based on State Max Demands	1.106

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-Jul-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	D/C	0	1403	0.0	33.6	-33.6	
2	HVDC	PUSAULI B/B	-	0	399	0.0	9.7	-9.7	
3	765 kV	GAYA-VARANASI	D/C	0	522	0.0	8.4	-8.4	
4	765 kV	SASARAM-FATEHPUR	S/C	218	177	1.2	0.0	1.2	
5	765 kV	GAYA-BALIA	S/C	0	438	0.0	3.8	-3.8	
6	400 kV	PUSAULI-VARANASI	S/C	0	290	0.0	6.1	-6.1	
7	400 kV	PUSAULI-ALLAHABAD	S/C	0	172	0.0	3.4	-3.4	
8	400 kV	MUZAFFARPUR-GORAKHPUR	D/C	0	659	0.0	12.2	-12.2	
9	400 kV	PATNA-BALIA	Q/C	0	493	0.0	7.3	-7.3	
10	400 kV	BIHARSHARIF-BALIA	D/C	0	339	0.0	6.7	-6.7	
11	400 kV	MOTIHARI-GORAKHPUR	D/C	0	229	0.0	2.8	-2.8	
12	400 kV	BIHARSHARIF-VARANASI	D/C	71	151	0.0	1.9	-1.9	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	87	0.0	1.5	-1.5	
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	
						ER-NR	1.5	97.3	-95.8
Import/Export of ER (With WR)									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1270	0	15.9	0.0	15.9	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	D/C	916	167	10.1	0.0	10.1	
3	765 kV	JHARSUGUDA-DURG	D/C	188	124	1.1	0.0	1.1	
4	400 kV	JHARSUGUDA-RAIGARH	Q/C	288	213	1.0	0.0	1.0	
5	400 kV	RANCHI-SIPAT	D/C	387	26	11.5	0.0	11.5	
6	220 kV	BUDHIPADAR-RAIGARH	S/C	21	113	0.0	1.0	-1.0	
7	220 kV	BUDHIPADAR-KORBA	D/C	208	0	3.3	0.0	3.3	
						ER-WR	42.8	1.0	41.9
Import/Export of ER (With SR)									
1	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0	533	0.0	10.6	-10.6	
2	HVDC	TALCHER-KOLAR BIPOLE	D/C	0	1855	0.0	41.5	-41.5	
3	765 kV	ANGUL-SRIKAKULAM	D/C	0	2396	0.0	40.1	-40.1	
4	400 kV	TALCHER-I/C	D/C	909	996	0.0	0.0	0.0	
5	220 kV	BALIMELA-UPPER-SILERRU	S/C	1	0	0.0	0.0	0.0	
						ER-SR	0.0	92.2	-92.2
Import/Export of ER (With NER)									
1	400 kV	BINAGURI-BONGAIGAOON	D/C	0	379	0.0	3.8	-3.8	
2	400 kV	ALIPURDUAR-BONGAIGAOON	D/C	185	335	0.0	0.8	-0.8	
3	220 kV	ALIPURDUAR-SALAKATI	D/C	0	114	0.0	1.3	-1.3	
						ER-NER	0.0	5.9	-5.9
Import/Export of NER (With NR)									
1	HVDC	BISWANATH CHARIALI-AGRA	D/C	0	604	0.0	14.6	-14.6	
						NER-NR	0.0	14.6	-14.6
Import/Export of WR (With NR)									
1	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1504	0.0	66.5	-66.5	
2	HVDC	VINDHYACHAL B/B	-	0	101	0.0	2.4	-2.4	
3	HVDC	MUNDRA-MOHINDERGARH	D/C	0	2365	0.0	49.6	-49.6	
4	765 kV	GWALIOR-AGRA	D/C	0	2309	0.0	38.6	-38.6	
5	765 kV	PHAGI-GWALIOR	D/C	0	1078	0.0	17.0	-17.0	
6	765 kV	JABALPUR-ORAI	D/C	0	930	0.0	29.0	-29.0	
7	765 kV	GWALIOR-ORAI	S/C	372	0	7.8	0.0	7.8	
8	765 kV	SAJINA-ORAI	S/C	0	1365	0.0	27.1	-27.1	
9	765 kV	CHITORGARH-BANASKANTHA	D/C	0	1038	0.0	7.8	-7.8	
10	400 kV	ZERDA-KANKROLI	S/C	48	158	0.0	0.8	-0.8	
11	400 kV	ZERDA-BHINMAL	S/C	139	216	0.0	1.6	-1.6	
12	400 kV	VINDHYACHAL -RIHAND	D/C	966	0	22.4	0.0	22.4	
13	400 kV	RAPP-SHUJALPUR	S/C	133	371	0.2	2.5	-2.3	
14	220 kV	BHANPURA-RANPUR	S/C	11	0	0.0	1.1	-1.1	
15	220 kV	BHANPURA-MORAK	S/C	0	97	0.0	1.4	-1.4	
16	220 kV	MEHGAON-AURAIYA	S/C	95	5	0.4	0.2	0.2	
17	220 kV	MALANPUR-AURAIYA	S/C	60	30	0.9	0.0	0.9	
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	31.7	245.5	-213.8
Import/Export of WR (With SR)									
1	HVDC	BHADRAWATI B/B	-	0	518	0.0	8.2	-8.2	
2	HVDC	BARSRU-I-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	495	2735	0.3	23.3	-23.0	
5	765 kV	WARDHA-NIZAMABAD	D/C	0	2239	0.0	31.2	-31.2	
6	400 kV	KOLHAPUR-KUDGI	D/C	807	86	7.7	0.0	7.7	
7	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
8	220 kV	PONDA-AMBEWADI	S/C	0	0	0.0	0.0	0.0	
9	220 kV	XELDEM-AMBEWADI	S/C	0	77	1.5	0.0	1.5	
						WR-SR	9.5	62.8	-53.2
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	360	337	321	7.7			
	ER	MANGDECHHU (4 x 180) ALIPURDUAR RECEIPT	780	774	763	18.3			
	ER	TALA (6 * 170) BINAGURI RECEIPT	1065	1055	1065	25.6			
	NER	132KV-SALAKATI - GELEPHU	55	0	49	1.2			
NEPAL	NR	132KV-Tanakpur(NH) - Mahendranagar(PG)	0	0	0	-0.3			
	ER	132KV-BIHAR - NEPAL	-87	-1	-25	-0.6			
	ER	220KV-MUZAFFARPUR - DHALKEBAR DC	-154	-2	-35	-0.9			
BANGLADESH	ER	Bheramara HVDC(Bangladesh)	-970	-948	-964	-23.1			
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	84	0	-71	-1.7			
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	82	0	-71	-1.7			