



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: 27th Jul 2020

To,

1. कार्यकारी निदेशक, पू. क्षेत्र. भा. प्रे. के., 14, गोल्फ क्लब रोड, कोलकाता - 700033
Executive Director, ERLDC, 14 Golf Club Road, Tollygunge, Kolkata, 700033
2. कार्यकारी निदेशक, ऊ. क्षेत्र. 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. क्षेत्र. 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. क्षेत्र. भा. प्रे. के., डोंगतेह, लोअर नोंग्रह, लापालंग, शिलोंग - 793006
Executive Director, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
5. कार्यकारी निदेशक, द. क्षेत्र. 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 26.07.2020.

महोदय/Dear Sir,

आईंईंजींसीं-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 26-जुलाई-2020 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रांभांप्रेंकें 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 26th 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: 27-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)	58060	42632	33098	21945	2627	158362
Peak Shortage (MW)	1063	0	0	0	168	1231
Energy Met (MU)	1325	1008	776	461	49	3620
Hydro Gen (MU)	348	23	72	143	27	612
Wind Gen (MU)	8	34	96	-	-	138
Solar Gen (MU)*	36.64	24.43	72.71	4.39	0.03	138
Energy Shortage (MU)	10.6	0.0	0.0	0.0	2.0	12.6
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	63307	42607	35349	22269	2624	161787
Time Of Maximum Demand Met (From NLDC SCADA)	22:33	22:51	12:09	21:28	18:59	22:32

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	0.031	0.00	0.00	6.03	6.03	80.63	13.34

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	11558	0	263.5	151.4	0.0	133	0.0
	Haryana	8546	0	185.7	152.2	1.5	262	0.1
	Rajasthan	10565	0	230.2	86.3	0.9	407	0.0
	Delhi	5278	0	99.2	86.6	-0.9	119	0.0
	UP	22501	170	436.5	193.3	2.8	461	0.2
	Uttarakhand	1724	0	37.5	18.4	-0.4	108	0.0
	HP	1106	0	23.8	-5.9	-0.7	111	0.0
	J&K(UT) & Ladakh(UT)	2144	536	43.0	17.8	2.2	365	10.3
	Chandigarh	290	0	5.4	5.2	0.2	62	0.0
	Chhattisgarh	4252	0	99.0	31.3	0.5	287	0.0
WR	Gujarat	13037	0	288.4	88.0	6.0	515	0.0
	MP	9818	0	218.2	129.6	-0.8	573	0.0
	Maharashtra	15900	0	357.6	130.5	-3.8	547	0.0
	Goa	401	0	8.3	8.2	-0.1	50	0.0
	DD	215	0	4.8	4.9	0.0	20	0.0
	DNH	610	0	14.0	14.1	-0.1	41	0.0
	AMNSIL	818	0	18.1	8.1	-0.1	267	0.0
SR	Andhra Pradesh	6932	0	151.2	56.9	-0.3	419	0.0
	Telangana	9375	0	188.4	85.7	-0.9	614	0.0
	Karnataka	7085	0	139.3	48.3	-3.5	461	0.0
	Kerala	2954	0	59.2	46.2	0.4	151	0.0
	Tamil Nadu	10257	0	231.3	102.3	-5.8	233	0.0
	Puducherry	331	0	6.9	7.2	-0.3	19	0.0
ER	Bihar	5683	0	116.4	111.0	1.2	500	0.0
	DVC	2878	0	64.1	-40.6	0.2	190	0.0
	Jharkhand	1555	0	27.3	22.8	-0.9	126	0.0
	Odisha	4275	0	87.9	6.1	0.0	250	0.0
	West Bengal	8382	0	164.6	47.5	2.6	486	0.0
NER	Sikkim	78	0	0.9	1.1	-0.1	20	0.0
	Arunachal Pradesh	94	1	1.8	1.2	0.5	26	0.0
	Assam	1653	150	30.8	26.5	-0.1	124	2.0
	Manipur	184	1	2.8	2.5	0.4	35	0.0
	Meghalaya	293	0	5.3	-0.2	-0.2	39	0.0
	Mizoram	91	1	1.6	1.1	0.2	17	0.0
	Nagaland	117	1	2.1	2.3	-0.4	16	0.0
	Tripura	291	2	5.0	6.2	0.6	35	0.0

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	51.4	-1.5	-25.9
Day Peak (MW)	2225.0	-220.6	-1101.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	305.5	-267.5	87.7	-121.6	-4.0	0.0
Actual(MU)	309.0	-263.2	73.6	-115.2	-4.4	-0.2
O/D/U/D(MU)	3.5	4.3	-14.0	6.4	-0.4	-0.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL
Central Sector	5659	14537	10912	1545	643	33296
State Sector	8744	19818	15350	4942	47	48901
Total	14403	34355	26262	6487	690	82197

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	547	1081	370	476	7	2481
Lignite	17	13	21	0	0	51
Hydro	348	23	72	143	27	612
Nuclear	26	33	23	0	0	82
Gas, Naptha & Diesel	35	67	14	0	24	141
RES (Wind, Solar, Biomass & Others)	64	68	214	4	0	350
Total	1038	1284	714	623	59	3717
Share of RES in total generation (%)	6.20	5.28	29.91	0.71	0.05	9.42
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	42.26	9.59	43.27	23.61	46.35	28.11

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.027
Based on State Max Demands	1.059

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: 27-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	1202	0.0	27.8	-27.8	
2	HVDC	PUSAULI B/B	-	0	398	0.0	9.8	-9.8	
3	765 kV	GAYA-VARANASI	D/C	0	604	0.0	9.8	-9.8	
4	765 kV	SASARAM-FATEHPUR	S/C	167	83	1.8	0.0	1.8	
5	765 kV	GAYABALLA	S/C	0	500	0.0	8.7	-8.7	
6	400 kV	PUSAULI-VARANASI	S/C	0	289	0.0	6.4	-6.4	
7	400 kV	PUSAULI-ALLAHABAD	S/C	0	170	0.0	3.1	-3.1	
8	400 kV	MUZAFFARPUR-GORAKHPUR	D/C	0	699	0.0	12.9	-12.9	
9	400 kV	PATNA-BALLA	Q/C	0	780	0.0	14.3	-14.3	
10	400 kV	BIHARSHARIF-BALLA	D/C	0	352	0.0	6.0	-6.0	
11	400 kV	MOTIHARI-GORAKHPUR	D/C	0	316	0.0	5.6	-5.6	
12	400 kV	BIHARSHARIF-VARANASI	D/C	47	180	0.0	1.1	-1.1	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	109	0.0	2.1	-2.1	
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	2.2	107.6	-105.3
Import/Export of ER (With WR)									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	744	190	9.5	0.0	9.5	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	D/C	1206	0	19.8	0.0	19.8	
3	765 kV	JHARSUGUDA-DURG	D/C	106	111	0.4	0.0	0.4	
4	400 kV	JHARSUGUDA-RAIGARH	Q/C	122	203	0.0	1.1	-1.1	
5	400 kV	RANCHI-SIPAT	D/C	418	0	7.0	0.0	7.0	
6	220 kV	BUDHIPADAR-RAIGARH	S/C	0	108	0.0	1.0	-1.0	
7	220 kV	BUDHIPADAR-KORBA	D/C	168	0	2.2	0.0	2.2	
						ER-WR	38.9	2.1	36.9
Import/Export of ER (With SR)									
1	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0	533	0.0	12.4	-12.4	
2	HVDC	TALCHER-KOLAR BIPOLE	D/C	0	1851	0.0	45.9	-45.9	
3	765 kV	ANGUL-SRIKAKULAM	D/C	0	1987	0.0	34.2	-34.2	
4	400 kV	TALCHER-I/C	D/C	272	973	0.0	2.4	-2.4	
5	220 kV	BALIMELA-UPPER-SILERRU	S/C	1	0	0.0	0.0	0.0	
						ER-SR	0.0	92.5	-92.5
Import/Export of ER (With NER)									
1	400 kV	BINAGURI-BONGAIGAON	D/C	11	354	0.0	3.5	-3.5	
2	400 kV	ALIPURDUAR-BONGAIGAON	D/C	237	300	0.0	0.3	-0.3	
3	220 kV	ALIPURDUAR-SALAKATI	D/C	0	106	0.0	1.2	-1.2	
						ER-NER	0.0	5.0	-5.0
Import/Export of NER (With NR)									
1	HVDC	BISWANATH CHARIALI-AGRA	D/C	0	503	0.0	12.2	-12.2	
						NER-NR	0.0	12.2	-12.2
Import/Export of WR (With NR)									
1	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1754	0.0	37.5	-37.5	
2	HVDC	VINDHYACHAL B/B	-	229	152	5.1	0.6	4.5	
3	HVDC	MUNDRAMOHINDERGARH	D/C	0	1915	0.0	32.9	-32.9	
4	765 kV	GWALIOR-AGRA	D/C	0	2831	0.0	47.7	-47.7	
5	765 kV	PHAGI-GWALIOR	D/C	0	1270	0.0	23.8	-23.8	
6	765 kV	JABALPUR-ORAI	D/C	0	1158	0.0	39.3	-39.3	
7	765 kV	GWALIOR-ORAI	S/C	437	0	8.5	0.0	8.5	
8	765 kV	SAJNA-ORAI	S/C	0	1501	0.0	30.6	-30.6	
9	765 kV	CHITORGARH-BANASKANTHA	D/C	0	1275	0.0	13.5	-13.5	
10	400 kV	ZERDA-KANKROLI	S/C	38	199	0.0	1.1	-1.1	
11	400 kV	ZERDA-BHINMAL	S/C	0	319	0.0	2.4	-2.4	
12	400 kV	VINDHYACHAL-RIHAND	S/C	975	0	22.7	0.0	22.7	
13	400 kV	RAPP-SHUALPUR	D/C	0	470	0.0	6.0	-6.0	
14	220 kV	BHANPURA-RANPUR	S/C	11	0	0.0	1.4	-1.4	
15	220 kV	BHANPURA-MORAK	S/C	0	108	0.0	1.7	-1.7	
16	220 kV	MEHGAON-AURAIYA	S/C	84	20	0.2	0.2	-0.1	
17	220 kV	MALANPUR-AURAIYA	S/C	50	48	0.7	0.0	0.7	
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	37.2	238.6	-201.4
Import/Export of WR (With SR)									
1	HVDC	BHADRAWATI B/B	-	0	414	0.0	9.8	-9.8	
2	HVDC	BAIGARH-PUGALUR	D/C	0	0	0.0	0.0	0.0	
3	765 kV	SOLAPUR-RAICHUR	D/C	902	1379	0.0	8.4	-8.4	
4	765 kV	WARDHA-NIZAMABAD	D/C	0	1704	0.0	25.1	-25.1	
5	400 kV	KOLHAPUR-KUDGI	D/C	1066	0	17.5	0.0	17.5	
6	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
7	220 kV	PONDA-AMBEWADI	S/C	0	0	0.0	0.0	0.0	
8	220 kV	XELDEM-AMBEWADI	S/C	1	82	1.1	0.0	1.1	
						WR-SR	18.6	43.3	-24.8

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	360	0	322	7.7
	ER	MANGDECHHU (4 x 180) ALIPURDUAR RECEIPT	588	0	556	13.3
	ER	TALA (6 * 170) BINAGURI RECEIPT	1067	1058	1155	27.7
	NER	132KV-SALAKATI - GELEPHU	55	0	52	1.2
NEPAL	NER	132KV-RANGIA - DEOTHANG	65	0	57	1.4
	NR	132KV-Tanakpur(NH) - Mahendranagar(PG)	-60	0	-26	-0.6
	ER	132KV-BIHAR - NEPAL	-91	75	-25	-0.6
BANGLADESH	ER	220KV-MUZAFFARPUR - DHALKEBAR DC	-70	4	-13	-0.3
	ER	Bheramara HVDC(Bangladesh)	-945	-940	-942	-22.6
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	78	0	-69	-1.7
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	78	0	-69	-1.7