



**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: 26<sup>th</sup> 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 25.07.2020.**

महोदय/Dear Sir,

आईंईंजींसीं-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 25-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 25<sup>th</sup> 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: 26-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)	56621	42512	35176	21652	2729	158690
Peak Shortage (MW)	1219	0	0	0	135	1354
Energy Met (MU)	1296	1023	831	437	50	3638
Hydro Gen (MU)	342	25	98	139	29	632
Wind Gen (MU)	10	17	70	-	-	98
Solar Gen (MU)*	34.90	19.55	64.40	4.37	0.02	123
Energy Shortage (MU)	11.5	0.0	0.0	0.0	0.2	11.8
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	60856	45113	38935	21243	2763	159897
Time Of Maximum Demand Met (From NLDC SCADA)	22:21	09:40	09:40	21:32	19:00	20:21

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	0.029	0.00	0.21	6.08	6.28	85.19	8.53

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	11118	0	250.2	148.0	-0.1	194	0.0
	Haryana	8685	45	184.1	156.2	2.3	359	0.1
	Rajasthan	10512	0	224.4	83.0	-0.2	394	0.0
	Delhi	4832	0	96.3	84.6	-1.6	186	0.0
	UP	21827	0	424.8	188.4	0.3	384	1.3
	Uttarakhand	1745	0	39.0	18.6	0.5	114	0.0
	HP	1397	0	29.0	-2.5	1.3	182	0.0
	J&K(UT) & Ladakh(UT)	2033	508	42.4	18.7	0.7	205	10.1
	Chandigarh	281	0	5.6	5.4	0.3	61	0.0
	Chhattisgarh	3915	0	92.0	25.7	-0.4	212	0.0
WR	Gujarat	13962	0	305.4	94.8	3.6	666	0.0
	MP	9763	0	218.7	124.9	-1.1	437	0.0
	Maharashtra	16438	0	362.2	139.5	-4.1	366	0.0
	Goa	420	0	8.7	8.5	-0.2	50	0.0
	DD	245	0	4.2	5.3	-1.1	16	0.0
	DNH	630	0	14.3	14.3	-0.1	37	0.0
	AMNSIL	815	0	17.3	7.6	0.0	228	0.0
SR	Andhra Pradesh	6992	0	151.5	69.7	0.3	539	0.0
	Telangana	9220	0	181.0	90.2	-0.7	527	0.0
	Karnataka	7431	0	149.3	59.9	0.1	778	0.0
	Kerala	3051	0	63.2	46.7	0.8	242	0.0
	Tamil Nadu	12967	0	278.6	109.3	-4.0	415	0.0
	Puducherry	350	0	7.6	8.0	-0.4	15	0.0
ER	Bihar	5443	0	109.9	103.5	1.1	466	0.0
	DVC	2927	0	63.9	-44.9	0.2	274	0.0
	Jharkhand	1562	0	26.7	21.4	-0.2	163	0.0
	Odisha	4171	0	84.4	-0.5	-0.6	351	0.0
	West Bengal	7671	0	151.3	43.0	1.7	568	0.0
	Sikkim	83	0	1.0	1.1	0.0	15	0.0
NER	Arunachal Pradesh	96	1	1.4	1.2	0.3	41	0.0
	Assam	1726	118	32.3	27.5	1.1	120	0.2
	Manipur	189	1	2.7	2.5	0.3	18	0.0
	Meghalaya	309	0	5.4	0.0	-0.3	32	0.0
	Mizoram	92	1	1.5	1.3	0.1	25	0.0
	Nagaland	130	1	2.3	2.3	-0.3	13	0.0
	Tripura	291	5	4.7	5.8	-0.2	32	0.0

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	50.9	-0.7	-23.8
Day Peak (MW)	2313.0	-195.5	-1077.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	307.3	-269.5	95.7	-128.1	-5.4	0.0
Actual(MU)	308.8	-275.4	97.6	-134.2	-7.5	-10.7
O/D/U/D(MU)	1.5	-5.8	1.9	-6.1	-2.1	-10.7

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL
Central Sector	5839	15797	10662	2345	643	35286
State Sector	9894	19730	14434	4772	47	48877
Total	15733	35527	25096	7117	690	84163

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	532	1118	408	464	7	2529
Lignite	19	13	27	0	0	59
Hydro	342	25	98	139	29	632
Nuclear	27	33	19	0	0	79
Gas, Naptha & Diesel	30	76	14	0	26	146
RES (Wind, Solar, Biomass & Others)	65	42	181	4	0	292
Total	1014	1306	748	607	62	3737
Share of RES in total generation (%)	6.37	3.20	24.24	0.73	0.03	7.82
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	42.73	7.60	39.99	23.60	46.36	26.85

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.056
Based on State Max Demands	1.084

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: 26-Jul-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	D/C	0	1201	0.0	30.1	-30.1	
2	HVDC	PUSAULI B/B	-	0	399	0.0	9.7	-9.7	
3	765 kV	GAYA-VARANASI	D/C	0	697	0.0	12.1	-12.1	
4	765 kV	SASARAM-FATEHPUR	S/C	116	88	0.0	0.2	-0.2	
5	765 kV	GAYABALLA	S/C	0	518	0.0	8.3	-8.3	
6	400 kV	PUSAULI-VARANASI	S/C	0	284	0.0	6.2	-6.2	
7	400 kV	PUSAULI-ALLAHABAD	S/C	0	170	0.0	3.4	-3.4	
8	400 kV	MUZAFFARPUR-GORAKHPUR	D/C	0	823	0.0	15.9	-15.9	
9	400 kV	PATNA-BALLA	Q/C	0	799	0.0	13.1	-13.1	
10	400 kV	BIHARSHARIFF-BALLA	D/C	0	396	0.0	7.0	-7.0	
11	400 kV	MOTIHARI-GORAKHPUR	D/C	0	317	0.0	5.5	-5.5	
12	400 kV	BIHARSHARIFF-VARANASI	D/C	3	184	0.0	3.8	-3.8	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	137	0.0	2.2	-2.2	
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	0.4	117.4	-117.0
<b>Import/Export of ER (With WR)</b>									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	987	0	12.9	0.0	12.9	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	D/C	926	0	16.0	0.0	16.0	
3	765 kV	JHARSUGUDA-DURG	D/C	111	100	0.1	0.0	0.1	
4	400 kV	JHARSUGUDA-RAIGARH	Q/C	99	170	0.0	0.7	-0.7	
5	400 kV	RANCHI-SIPAT	D/C	333	0	5.5	0.0	5.5	
6	220 kV	BUDHIPADAR-RAIGARH	S/C	0	112	0.0	1.4	-1.4	
7	220 kV	BUDHIPADAR-KORBA	D/C	152	0	2.5	0.0	2.5	
						ER-WR	37.0	2.2	34.9
<b>Import/Export of ER (With SR)</b>									
1	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0	533	0.0	12.4	-12.4	
2	HVDC	TALCHER-KOLAR BIPOLE	D/C	0	1841	0.0	47.8	-47.8	
3	765 kV	ANGUL-SRIKAKULAM	D/C	0	2432	0.0	39.6	-39.6	
4	400 kV	TALCHER-I/C	D/C	247	467	0.0	3.1	-3.1	
5	220 kV	BALIMELA-UPPER-SILERRU	S/C	1	0	0.0	0.0	0.0	
						ER-SR	0.0	99.8	-99.8
<b>Import/Export of ER (With NER)</b>									
1	400 kV	BINAGURI-BONGAIGAON	D/C	12	378	0.0	3.1	-3.1	
2	400 kV	ALIPURDUAR-BONGAIGAON	D/C	186	334	0.0	0.0	0.0	
3	220 kV	ALIPURDUAR-SALAKATI	D/C	0	114	0.0	1.2	-1.2	
						ER-NER	0.0	4.3	-4.3
<b>Import/Export of NER (With NR)</b>									
1	HVDC	BISWANATH CHARIALI-AGRA	D/C	0	503	0.0	12.1	-12.1	
						NER-NR	0.0	12.1	-12.1
<b>Import/Export of WR (With NR)</b>									
1	HVDC	CHAMPA-KURUKSHETRA	D/C	0	501	0.0	31.3	-31.3	
2	HVDC	VINDHYACHAL B/B	-	47	152	0.5	2.2	-1.7	
3	HVDC	MUNDRA-MOHINDERGARH	D/C	0	1454	0.0	31.5	-31.5	
4	765 kV	GWALIOR-AGRA	D/C	0	2497	0.0	45.9	-45.9	
5	765 kV	PHAGI-GWALIOR	D/C	0	1272	0.0	26.6	-26.6	
6	765 kV	JABALPUR-ORAI	D/C	0	1052	0.0	39.2	-39.2	
7	765 kV	GWALIOR-ORAI	S/C	449	0	2.6	0.0	2.6	
8	765 kV	SAINA-ORAI	S/C	0	1544	0.0	29.9	-29.9	
9	765 kV	CHITORGARH-BANASKANTHA	D/C	0	878	0.0	10.9	-10.9	
10	400 kV	ZERDA-KANKROLI	S/C	85	128	0.0	0.5	-0.5	
11	400 kV	ZERDA-BHINMAL	S/C	240	224	0.0	1.2	-1.2	
12	400 kV	VINDHYACHAL -RIHAND	S/C	979	0	22.8	0.0	22.8	
13	400 kV	RAPP-SHUALPUR	D/C	0	397	0.0	7.2	-7.2	
14	220 kV	BHANPURA-RANPUR	S/C	11	0	0.0	1.1	-1.1	
15	220 kV	BHANPURA-MORAK	S/C	0	82	0.0	1.4	-1.4	
16	220 kV	MEHGAON-AURAIYA	S/C	103	5	0.3	0.1	0.2	
17	220 kV	MALANPUR-AURAIYA	S/C	68	32	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	34.1	229.1	-195.0
<b>Import/Export of WR (With SR)</b>									
1	HVDC	BHADRAWATI B/B	-	0	414	0.0	9.9	-9.9	
2	HVDC	BAIGARH-PUGALUR	D/C	0	0	0.0	0.0	0.0	
3	765 kV	SOLAPUR-RAICHUR	D/C	573	1836	0.0	15.3	-15.3	
4	765 kV	WARDHA-NIZAMABAD	D/C	0	2411	0.0	32.2	-32.2	
5	400 kV	KOLHAPUR-KUDGI	D/C	838	0	13.0	0.0	13.0	
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	0	85	1.6	0.0	1.6	
						WR-SR	14.5	57.5	-43.0

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	361	0	330	7.9
	ER	MANGDECHHU (4 x 180) ALIPURDUAR RECEIPT	768	0	623	15.0
	ER	TALA ( 6 * 170 ) BINAGURI RECEIPT	1065	1057	1070	25.7
	NER	132KV-SALAKATI - GELEPHU	53	0	-40	-1.0
NEPAL	NER	132KV-RANGIA - DEOTHANG	66	0	56	1.4
	NR	132KV-Tanakpur(NH) - Mahendranagar(PG)	-60	0	-19	-0.5
	ER	132KV-BIHAR - NEPAL	-44	0	-6	-0.1
BANGLADESH	ER	220KV-MUZAFFARPUR - DHALKEBAR DC	-92	-4	-5	-0.1
	ER	Bheramara HVDC(Bangladesh)	-939	-739	-866	-20.8
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	69	0	-62	-1.5
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	69	0	-62	-1.5