



**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: 28<sup>th</sup> Aug 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 27.08.2020.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 27-अगस्त-2020 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रांभांप्रेके 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 27<sup>th</sup> August 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: 28-Aug-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)	58526	40674	38280	20285	2873	160638
Peak Shortage (MW)	163	0	0	0	178	341
Energy Met (MU)	1284	957	908	422	55	3626
Hydro Gen (MU)	344	96	128	143	23	735
Wind Gen (MU)	18	105	92	-	-	214
Solar Gen (MU)*	27.68	20.38	85.10	4.39	0.10	138
Energy Shortage (MU)	0.5	0.0	0.0	0.0	2.9	3.4
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	60645	42725	42529	20401	2961	161662
Time Of Maximum Demand Met (From NLDC SCADA)	21:26	09:34	09:13	19:38	19:00	19:33

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	0.023	0.00	0.00	2.65	2.65	82.64	14.71

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	10972	0	245.3	141.4	-1.3	74	0.0	
	Haryana	8972	0	191.4	187.0	2.8	294	0.1	
	Rajasthan	9925	0	219.0	93.3	3.8	597	0.0	
	Delhi	5145	0	102.3	91.5	-0.7	181	0.0	
	UP	21765	0	416.6	200.3	1.4	541	0.3	
	Uttarakhand	1826	0	39.8	15.1	0.1	106	0.0	
	HP	1363	0	30.8	-4.5	-0.7	140	0.0	
	J&K(UT) & Ladakh(UT)	1569	0	33.3	18.8	-2.1	231	0.0	
	Chandigarh	270	0	5.6	5.4	0.2	28	0.0	
	WR	Chhattisgarh	3276	0	72.5	12.8	-1.3	338	0.0
Gujarat		12315	0	265.2	69.8	1.1	555	0.0	
MP		8318	0	185.6	105.6	-4.2	498	0.0	
Maharashtra		18111	0	385.0	148.5	-3.1	505	0.0	
Goa		418	0	8.8	8.4	-0.2	29	0.0	
DD		298	0	6.5	6.4	0.1	33	0.0	
DNH		718	0	16.5	16.3	0.3	53	0.0	
AMNSIL		747	0	16.3	7.3	-1.4	211	0.0	
Andhra Pradesh		7805	0	168.4	56.5	0.7	523	0.0	
Telangana		8835	0	176.6	76.9	-2.8	390	0.0	
SR	Karnataka	9832	0	187.3	70.2	1.5	654	0.0	
	Kerala	3538	0	71.3	49.2	0.3	177	0.0	
	Tamil Nadu	13904	0	296.9	148.1	-4.6	263	0.0	
	Puducherry	360	0	7.6	7.9	-0.3	31	0.0	
	ER	Bihar	5698	0	103.5	99.5	-2.5	475	0.0
		DVC	2847	0	61.0	-42.2	0.2	210	0.0
		Jharkhand	1387	0	25.9	18.7	-1.1	120	0.0
		Odisha	4529	0	87.3	5.6	-0.2	380	0.0
		West Bengal	6902	0	143.7	44.4	0.1	315	0.0
	NER	Sikkim	82	0	1.0	1.2	-0.2	10	0.0
Arunachal Pradesh		124	1	2.2	1.7	0.5	43	0.0	
Assam		1858	164	35.2	32.2	-0.9	192	2.8	
Manipur		198	1	2.9	2.5	0.4	50	0.0	
Meghalaya		307	0	5.5	0.5	-0.1	79	0.0	
Mizoram		89	1	1.7	1.1	0.5	18	0.0	
Nagaland		130	1	2.4	2.4	-0.3	7	0.0	
Tripura	292	0	5.1	5.7	0.2	33	0.0		

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	49.8	-1.8	-25.1
Day Peak (MW)	2078.0	-230.9	-1118.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	343.4	-319.9	111.9	-139.0	3.5	0.0
Actual(MU)	350.9	-338.6	111.6	-139.1	4.4	-10.9
OD/UD(MU)	7.4	-18.7	-0.3	-0.1	0.9	-10.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL
Central Sector	6752	15723	8702	2155	610	33942
State Sector	13389	26190	12252	5992	11	57834
Total	20141	41913	20954	8147	621	91776

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	468	1010	373	444	7	2302
Lignite	25	8	30	0	0	63
Hydro	344	96	128	143	23	735
Nuclear	27	32	61	0	0	120
Gas, Naptha & Diesel	31	50	15	0	26	121
RES (Wind, Solar, Biomass & Others)	65	126	201	4	0	396
Total	960	1322	807	591	56	3737
Share of RES in total generation (%)	6.80	9.51	24.86	0.75	0.18	10.60
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	45.43	19.25	48.18	24.95	41.65	33.46

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.047
Based on State Max Demands	1.081

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: 28-Aug-2020

Sl No	Voltage Level	Line Details	No. of 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	2	0	1398	0.0	24.2	-24.2	
2	HVDC	PUSAULI B/B	-	0	196	0.0	4.7	-4.7	
3	765 kV	GAYA-VARANASI	2	0	690	0.0	12.4	-12.4	
4	765 kV	SASARAM-FATEHPUR	1	112	124	0.0	0.2	-0.2	
5	765 kV	GAYA-BALIA	1	0	610	0.0	9.4	-9.4	
6	400 kV	PUSAULI-VARANASI	1	0	194	0.0	3.6	-3.6	
7	400 kV	PUSAULI-ALLAHABAD	1	0	81	0.0	1.2	-1.2	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	769	0.0	14.9	-14.9	
9	400 kV	PATNA-BALIA	4	0	1071	0.0	18.0	-18.0	
10	400 kV	BIHARSHARIFF-BALIA	2	0	461	0.0	7.9	-7.9	
11	400 kV	MOTIHARL-GORAKHPUR	2	0	329	0.0	5.6	-5.6	
12	400 kV	BIHARSHARIFF-VARANASI	2	2	233	0.0	3.5	-3.5	
13	220 kV	PUSAULI-SAHUPURI	1	0	129	0.0	2.5	-2.5	
14	132 kV	SONE NAGAR-RIHAND	1	0	0	0.0	0.0	0.0	
15	132 kV	GARWAH-RIHAND	1	30	0	0.6	0.0	0.6	
16	132 kV	KARMANASA-SAHUPURI	1	0	0	0.0	0.0	0.0	
17	132 kV	KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0	
						ER-NR	0.6	108.0	-107.4
<b>Import/Export of ER (With WR)</b>									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	732	0	9.1	0.0	9.1	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1180	0	15.1	0.0	15.1	
3	765 kV	JHARSUGUDA-DURG	2	48	186	0.0	1.7	-1.7	
4	400 kV	JHARSUGUDA-RAIGARH	4	450	0	5.3	0.0	5.3	
5	400 kV	RANCHI-SIPAT	2	432	0	7.6	0.0	7.6	
6	220 kV	BUDHIPADAR-RAIGARH	1	0	107	0.0	1.1	-1.1	
7	220 kV	BUDHIPADAR-KORBA	2	170	0	2.9	0.0	2.9	
						ER-WR	40.1	2.8	37.3
<b>Import/Export of ER (With SR)</b>									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	377	0.0	8.6	-8.6	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1984	0.0	42.8	-42.8	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2285	0.0	41.5	-41.5	
4	400 kV	TALCHER-I/C	2	154	534	0.0	4.1	-4.1	
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0	
						ER-SR	0.0	92.9	-92.9
<b>Import/Export of ER (With NER)</b>									
1	400 kV	BINAGURI-BONGAIGAON	2	0	438	0.0	7.0	-7.0	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	0	530	0.0	8.1	-8.1	
3	220 kV	ALIPURDUAR-SALAKATI	2	0	141	0.0	2.4	-2.4	
						ER-NER	0.0	17.5	-17.5
<b>Import/Export of NER (With NR)</b>									
1	HVDC	BISWANATH CHARIALI-AGR <sup>a</sup>	2	0	605	0.0	14.5	-14.5	
						NER-NR	0.0	14.5	-14.5
<b>Import/Export of WR (With NR)</b>									
1	HVDC	CHAMPA-KURUKSHETRA	2	0	2001	0.0	59.6	-59.6	
2	HVDC	VINDHYACHAL B/B	-	446	0	12.0	0.0	12.0	
3	HVDC	MUNDRU-MOHINDERGARH	2	0	1920	0.0	34.5	-34.5	
4	765 kV	GWALIOR-AGRA	2	0	3008	0.0	52.6	-52.6	
5	765 kV	PHAGI-GWALIOR	2	0	1599	0.0	30.4	-30.4	
6	765 kV	JABALPUR-ORAI	2	0	1184	0.0	42.1	-42.1	
7	765 kV	GWALIOR-ORAI	1	472	0	9.4	0.0	9.4	
8	765 kV	SATNA-ORAI	1	0	1643	0.0	34.1	-34.1	
9	765 kV	CHITORGARH-BANASKANTHA	2	0	1223	0.0	16.3	-16.3	
10	400 kV	ZERDA-KANKROLI	1	7	233	0.0	1.8	-1.8	
11	400 kV	ZERDA-BHINMAL	1	72	256	0.0	1.2	-1.2	
12	400 kV	VINDHYACHAL-RIHANE	1	966	0	22.3	0.0	22.3	
13	400 kV	RAPP-SHILJALPUR	2	0	624	0.0	8.6	-8.6	
14	220 kV	BHANPURA-RANPUR	1	11	0	0.0	1.6	-1.6	
15	220 kV	BHANPURA-MORAK	1	0	111	0.0	1.8	-1.8	
16	220 kV	MEHGAON-AURAIYA	1	99	0	0.3	0.1	0.2	
17	220 kV	MALANPUR-AURAIYA	1	62	22	1.0	0.0	1.0	
18	132 kV	GWALIOR-SAWAI MADHOPUR	1	0	0	0.0	0.0	0.0	
19	132 kV	RAJGHAT-LALITPUR	2	0	0	0.0	0.0	0.0	
						WR-NR	45.0	284.5	-239.5
<b>Import/Export of WR (With SR)</b>									
1	HVDC	BHADRAWATI B/B	-	0	1009	0.0	15.6	-15.6	
2	HVDC	RAIGARH-PUGALUR	2	0	991	0.0	5.9	-5.9	
3	765 kV	SOLAPUR-RAICHUR	2	49	1640	0.0	13.6	-13.6	
4	765 kV	WARDHA-NIZAMABAD	2	0	2273	0.0	32.5	-32.5	
5	400 kV	KOLHAPUR-KUDGI	2	480	0	6.8	0.0	6.8	
6	220 kV	KOLHAPUR-CHIKODI	2	0	0	0.0	0.0	0.0	
7	220 kV	PONDA-AMBEWADI	1	0	0	0.0	0.0	0.0	
8	220 kV	XELDEM-AMBEWADI	1	0	90	1.6	0.0	1.6	
						WR-SR	8.3	67.7	-59.3

INTERNATIONAL EXCHANGES

State	Region	Line Name	Max (MW)	Min (MW)	Avg (MW)	Energy Exchange (MU)
BHUTAN	ER	400kV MANGDECHHU-ALIPURDUAR 1&2 i.e. ALIPURDUAR RECEIPT (from MANGDECHHU HEP 4*180MW)	728	0	685	16.5
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*70MW)	1076	0	990	23.8
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	384	285	314	7.5
	NER	132KV-GEYLEGPHU - SALAKATI	-60	-40	-50	-1.2
	NER	132kV Motanga-Rangia	-50	-14	-34	-0.8
NEPAL	NR	132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG)	-45	0	-21	-0.5
	ER	132KV-BIHAR - NEPAL	-50	0	-10	-0.2
	ER	220KV-MUZAFFARPUR - DHALKEBAR DC	-136	-4	-45	-1.1
	ER	BHERAMARA HVDC(BANGLADESH)	-952	0	-901	-21.6

BANGLADESH	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	84	0	-72	-1.7
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	82	0	-75	-1.8