



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: 29<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., डोंगतेह, 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 28.08.2020.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 28-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 28<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: 29-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)	54855	40692	39171	22036	2868	159622
Peak Shortage (MW)	965	0	0	0	10	975
Energy Met (MU)	1242	928	924	448	55	3598
Hydro Gen (MU)	341	94	129	150	23	737
Wind Gen (MU)	9	87	103	-	-	199
Solar Gen (MU)*	36.71	17.52	96.71	4.61	0.06	156
Energy Shortage (MU)	2.3	0.0	0.0	0.0	0.0	2.3
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	57985	40969	43128	22257	2984	159961
Time Of Maximum Demand Met (From NLDC SCADA)	00:00	09:49	11:52	20:15	18:58	19:31

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	0.036	0.00	0.54	8.21	8.75	84.49	6.76

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	9792	0	207.1	133.4	-2.1	43	0.0
	Haryana	8713	0	188.1	180.9	2.3	235	1.4
	Rajasthan	10142	0	225.7	104.0	0.3	267	0.0
	Delhi	5091	0	103.2	90.3	-0.9	200	0.1
	UP	20747	270	404.0	179.1	-1.6	410	0.8
	Uttarakhand	1863	0	40.4	14.3	2.2	312	0.0
	HP	1387	0	29.1	-4.2	-0.3	64	0.0
	J&K(UT) & Ladakh(UT)	2200	0	38.8	20.6	2.1	372	0.0
WR	Chandigarh	268	0	5.5	5.5	-0.1	16	0.0
	Chhattisgarh	2698	0	58.0	7.1	-1.2	364	0.0
	Gujarat	12097	0	269.6	82.1	-0.3	830	0.0
	MP	7758	0	173.9	95.6	-2.5	429	0.0
	Maharashtra	17891	0	377.2	139.3	-4.3	488	0.0
	Goa	412	0	8.9	8.3	0.0	88	0.0
	DD	303	0	6.6	6.3	0.3	32	0.0
	DNH	714	0	16.6	16.6	0.0	37	0.0
SR	AMNSIL	789	0	17.3	1.9	0.8	269	0.0
	Andhra Pradesh	8292	0	176.5	58.1	1.2	959	0.0
	Telangana	8676	0	172.9	65.9	-1.0	443	0.0
	Karnataka	10369	0	193.8	70.3	-0.9	473	0.0
	Kerala	3524	0	71.9	51.4	-0.4	146	0.0
	Tamil Nadu	13831	0	301.8	142.1	-3.2	501	0.0
ER	Puducherry	372	0	7.5	7.8	-0.3	38	0.0
	Bihar	5758	0	108.3	101.8	0.3	235	0.0
	DVC	2907	0	62.7	-40.0	-0.1	170	0.0
	Jharkhand	1436	0	27.6	19.2	-0.6	110	0.0
	Odisha	4733	0	95.0	10.5	0.6	405	0.0
	West Bengal	7945	0	153.8	48.7	-1.2	285	0.0
NER	Sikkim	85	0	1.0	1.2	-0.2	10	0.0
	Arunachal Pradesh	117	1	2.0	1.8	0.2	84	0.0
	Assam	1901	0	36.1	31.5	0.8	142	0.0
	Manipur	193	2	2.8	2.5	0.2	50	0.0
	Meghalaya	312	0	5.5	0.4	-0.3	79	0.0
	Mizoram	93	2	1.7	1.2	0.3	18	0.0
	Nagaland	128	0	2.2	2.3	-0.4	7	0.0
	Tripura	289	1	4.9	5.6	-0.1	33	0.0

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	50.3	-1.0	-25.7
Day Peak (MW)	2224.0	-147.9	-1094.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	319.2	-287.0	85.3	-121.7	4.3	0.0
Actual(MU)	322.0	-298.3	88.5	-122.5	4.2	-6.0
O/D/U/D(MU)	2.9	-11.2	3.2	-0.8	-0.1	-6.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL
Central Sector	6069	19193	8412	2405	610	36688
State Sector	12329	26276	12962	5992	11	57570
Total	18398	45469	21374	8397	621	94259

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	452	982	383	448	7	2271
Lignite	25	8	28	0	0	61
Hydro	341	94	129	150	23	737
Nuclear	27	33	66	0	0	125
Gas, Naptha & Diesel	34	63	14	0	26	138
RES (Wind, Solar, Biomass & Others)	64	105	229	5	0	402
Total	943	1284	849	602	56	3734
Share of RES in total generation (%)	6.79	8.14	27.00	0.77	0.11	10.77
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	45.79	18.03	49.94	25.66	40.56	33.86

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.046
Based on State Max Demands	1.087

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: 29-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	1399	0.0	33.3	-33.3	
2	HVDC	PUSAULI B/B	-	0	198	0.0	4.9	-4.9	
3	765 kV	GAYA-VARANASI	2	0	531	0.0	10.0	-10.0	
4	765 kV	SASARAM-FATEHPUR	1	231	50	2.2	0.0	2.2	
5	765 kV	GAYA-BALIA	1	0	547	0.0	10.8	-10.8	
6	400 kV	PUSAULI-VARANASI	1	0	201	0.0	4.1	-4.1	
7	400 kV	PUSAULI-ALLAHABAD	1	0	62	0.0	0.6	-0.6	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	676	0.0	12.3	-12.3	
9	400 kV	PATNA-BALIA	4	0	974	0.0	18.2	-18.2	
10	400 kV	BIHARSHARIFF-BALIA	2	0	406	0.0	7.7	-7.7	
11	400 kV	MOTHARI-GORAKHPUR	2	0	315	0.0	5.1	-5.1	
12	400 kV	BIHARSHARIFF-VARANASI	2	104	132	0.0	0.7	-0.7	
13	220 kV	PUSAULI-SAHUPURI	1	0	118	0.0	2.2	-2.2	
14	132 kV	SONE NAGAR-RIHAND	1	0	0	0.0	0.0	0.0	
15	132 kV	GARWAH-RIHAND	1	30	0	0.4	0.0	0.4	
16	132 kV	KARMANASA-SAHUPURI	1	0	0	0.0	0.0	0.0	
17	132 kV	KARMANASA-CHANDAUJI	1	0	0	0.0	0.0	0.0	
						ER-NR	2.6	109.8	-107.2
<b>Import/Export of ER (With WR)</b>									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	788	194	6.1	0.0	6.1	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1320	0	22.4	0.0	22.4	
3	765 kV	JHARSUGUDA-DURG	2	55	203	0.0	0.8	-0.8	
4	400 kV	JHARSUGUDA-RAIGARH	4	474	0	6.9	0.0	6.9	
5	400 kV	RANCHI-SIPAT	2	481	0	7.7	0.0	7.7	
6	220 kV	BUDHIPADAR-RAIGARH	1	0	83	0.0	0.9	-0.9	
7	220 kV	BUDHIPADAR-KORBA	2	168	0	3.2	0.0	3.2	
						ER-WR	46.4	1.7	44.7
<b>Import/Export of ER (With SR)</b>									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	376	0.0	8.6	-8.6	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1639	0.0	39.7	-39.7	
3	765 kV	ANGUL-SRIKAKULAM	2	0	1984	0.0	37.2	-37.2	
4	400 kV	TALCHER-I/C	2	140	169	0.0	0.6	-0.6	
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0	
						ER-SR	0.0	85.5	-85.5
<b>Import/Export of ER (With NER)</b>									
1	400 kV	BINAGURI-BONGAIGAOON	2	0	491	0.0	8.0	-8.0	
2	400 kV	ALIPURDUAR-BONGAIGAOON	2	0	459	0.0	6.0	-6.0	
3	220 kV	ALIPURDUAR-SALAKATI	2	0	141	0.0	2.3	-2.3	
						ER-NER	0.0	16.2	-16.2
<b>Import/Export of NER (With NR)</b>									
1	HVDC	BISWANATH CHARIALI-AGRA	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	1754	0.0	24.4	-24.4	
2	HVDC	VINDHYACHAL B/B	-	447	0	12.1	0.0	12.1	
3	HVDC	MUNDRA-MOHINDERGARH	2	0	2374	0.0	49.1	-49.1	
4	765 kV	GWALIOR-AGRA	2	0	2705	0.0	52.4	-52.4	
5	765 kV	PHAGI-GWALIOR	2	0	1647	0.0	30.9	-30.9	
6	765 kV	JABALPUR-ORAI	2	0	1102	0.0	42.5	-42.5	
7	765 kV	GWALIOR-ORAI	1	468	0	9.3	0.0	9.3	
8	765 kV	SATNA-ORAI	1	0	1570	0.0	33.3	-33.3	
9	765 kV	CHITORGARH-BANASKANTHA	2	65	730	0.0	8.0	-8.0	
10	400 kV	ZERDA-KANKROLI	1	58	118	0.0	0.7	-0.7	
11	400 kV	ZERDA-BHINMAL	1	78	153	0.0	0.6	-0.6	
12	400 kV	VINDHYACHAL-RIHAND	1	983	0	22.9	0.0	22.9	
13	400 kV	RAPP-SHUALPUR	2	0	640	0.0	9.6	-9.6	
14	220 kV	BHANPURA-RANPUR	2	11	0	0.0	1.7	-1.7	
15	220 kV	BHANPURA-MORAK	1	0	113	0.0	1.8	-1.8	
16	220 kV	MEHGAON-AURAIYA	1	91	0	0.3	0.0	0.3	
17	220 kV	MALANPUR-AURAIYA	1	57	18	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	45.6	255.0	-209.5
<b>Import/Export of WR (With SR)</b>									
1	HVDC	BHADRAWATI B/B	-	0	776	0.0	14.9	-14.9	
2	HVDC	RAIGARH-PTGALUR	2	0	297	0.0	6.0	-6.0	
3	765 kV	SOLAPUR-RAICHUR	2	649	1339	0.0	6.6	-6.6	
4	765 kV	WARDHA-NIZAMABAD	2	0	1897	0.0	26.1	-26.1	
5	400 kV	KOLHAPUR-KUDGI	2	538	0	8.0	0.0	8.0	
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	86	1.6	0.0	1.6	
						WR-SR	9.6	53.6	-44.0

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)	666	0	622	14.9
	ER	400kV TALA-BINAGURI L2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW))	1080	0	1048	25.1
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	360	335	335	8.0
	NER	132KV-GEYLEGPHU - SALAKATI	68	46	-53	-1.3
	NER	132kV Motanga-Rangia	50	21	-38	-0.9
NEPAL	NR	132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG)	0	0	0	0.0
	ER	132KV-BIHAR - NEPAL	-2	0	-2	0.0
	ER	220KV-MUZAFFARPUR - DHALKEBAR DC	-146	-2	-42	-1.0

BANGLADESH	ER	BHERAMARA HVDC(BANGLADESH)	-940	0	-936	-22.5
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	77	0	-67	-1.6
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	77	0	-67	-1.6