National Load Despatch Centre
राष्ट्रीय भार प्रेषण केंद्र
POWER SYSTEM OPERATION CORPORATION LIMITED
पॉवर 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 August 2021

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., डोंगतिएह, 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 07.08.2021.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 07-अगस्त-2021 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रा०भा०प्रे०के० की वेबसाइट पर उप्लब्ध 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 August 2021, 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-Aug-2021**

A. Power Supply Position at All India and Regional level

	NR	WR	SR	ER	NER	TOTAL
Demand Met during Evening Peak hrs(MW) (at 20:00 hrs; from RLDCs)	60432	52992	41566	22478	2919	180387
Peak Shortage (MW)	1328	203	20	0	0	1551
Energy Met (MU)	1377	1244	1067	495	55	4239
Hydro Gen (MU)	378	42	187	143	28	778
Wind Gen (MU)	15	71	146	-	-	232
Solar Gen (MU)*	49.44	28.97	100.10	4.74	0.18	183
Energy Shortage (MU)	5.37	4.70	0.09	0.00	0.00	10.16
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	63711	54912	51541	22657	2926	188595
Time Of Maximum Demand Met (From NLDC SCADA)	21:33	19:40	11:54	20:58	19:53	11:54

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	0.051	0.00	2.87	9.52	12.39	77.27	10.33

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	11442	0	252.1	156.0	-0.8	154	0.00
	Haryana	9185	0	203.1	162.6	-0.8	285	0.00
	Rajasthan	10704	0	236.0	70.1	1.1	667	1.14
	Delhi	5524	0	112.1	104.8	-0.2	168	0.00
	UP	22485	0	445.5	211.6	-3.8	412	0.00
	Uttarakhand	2065	0	44.9	17.0	0.2	106	0.78
	HP	1522	0	30.9	-6.9	-6.4	0	0.00
	J&K(UT) & Ladakh(UT)	2302	250	46.7	22.0	-0.6	165	3.45
	Chandigarh	290	0	6.0	6.0	0.0	28	0.00
WR	Chhattisgarh	4637	0	109.9	50.0	0.4	297	0.00
	Gujarat	18083	50	385.6	179.3	3.4	971	4.70
	MP	8840	0	194.6	113.4	2.8	1413	0.00
	Maharashtra	22578	0	497.3	159.3	3.7	852	0.00
	Goa	567	0	11.6	11.2	0.1	44	0.00
	DD	333	0	7.3	6.8	0.5	52	0.00
	DNH	833	0	19.7	18.9	0.8	89	0.00
	AMNSIL	801	0	17.6	7.9	-0.3	275	0.00
SR	Andhra Pradesh	11018	0	219.2	72.7	0.6	787	0.00
	Telangana	12219	0	242.5	88.3	0.8	696	0.00
	Karnataka	10603	0	194.4	38.0	0.2	610	0.00
	Kerala	3187	0	67.6	27.3	-1.4	194	0.00
	Tamil Nadu	14701	0	334.7	134.1	-2.4	457	0.00
	Puducherry	431	20	9.1	9.0	0.2	76	0.09
ER	Bihar	6175	0	123.0	117.0	-1.3	412	0.00
	DVC	3063	0	65.6	-38.1	-1.1	243	0.00
	Jharkhand	1453	0	27.9	22.9	-1.6	183	0.00
	Odisha	5446	0	108.6	36.1	-0.5	284	0.00
	West Bengal	8037	0	169.1	50.4	0.6	354	0.00
	Sikkim	83	0	1.3	1.5	-0.2	16	0.00
NER	Arunachal Pradesh	141	0	2.4	2.3	0.1	48	0.00
	Assam	1903	0	36.1	29.3	-0.7	92	0.00
	Manipur	194	0	2.6	2.6	0.1	28	0.00
	Meghalaya	305	0	5.6	1.5	-0.2	66	0.00
	Mizoram	103	0	1.6	1.3	0.0	30	0.00
	Nagaland	117	0	2.4	2.0	-0.1	13	0.00
	Tripura	266	0	4.7	5.0	-0.4	19	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	46.8	-0.2	-16.2
Day Peak (MW)	2123.0	-66.4	-848.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	290.7	-163.4	35.5	-156.6	-6.1	0.0
Actual(MU)	277.7	-146.3	31.2	-157.7	-11.6	-6.7
O/D/U/D(MU)	-12.9	17.1	-4.3	-1.1	-5.4	-6.7

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	5162	17764	10032	995	409	34361	46
State Sector	9065	16882	8838	4935	11	39731	54
Total	14227	34646	18870	5930	420	74092	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	614	1161	490	511	16	2791	65
Lignite	26	11	44	0	0	80	2
Hydro	378	42	187	143	28	778	18
Nuclear	21	32	42	0	0	95	2
Gas, Naptha & Diesel	20	58	8	0	29	115	3
RES (Wind, Solar, Biomass & Others)	80	100	280	5	0	465	11
Total	1139	1404	1051	659	72	4325	100

Share of RES in total generation (%)	7.05	7.13	26.64	0.72	0.25	10.76
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	42.11	12.44	48.44	22.43	38.43	30.96

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.038
Based on State Max Demands	1.069

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-Aug-2021

Sl No	Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
Import/Export of ER (With NR)								
1	HVDC	ALIPURDUAR-AGRA	2	0	1251	0.0	28.8	-28.8
2	HVDC	PUSAULI B/B	-	0	248	0.0	5.9	-5.9
3	765 kV	GAYA-VARANASI	2	101	549	0.0	5.5	-5.5
4	765 kV	SASARAM-FATEHPUR	1	0	337	0.0	4.9	-4.9
5	765 kV	GAYA-BALIA	1	0	506	0.0	8.2	-8.2
6	400 kV	PUSAULI-VARANASI	1	0	173	0.0	3.4	-3.4
7	400 kV	PUSAULI -ALLAHABAD	1	0	142	0.0	2.6	-2.6
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	747	0.0	14.3	-14.3
9	400 kV	PATNA-BALIA	4	0	1174	0.0	22.9	-22.9
10	400 kV	BIHARSHARIFF-BALIA	2	0	393	0.0	6.9	-6.9
11	400 kV	MOTIHARI-GORAKHPUR	2	0	482	0.0	8.5	-8.5
12	400 kV	BIHARSHARIFF-VARANASI	2	25	234	0.0	3.0	-3.0
13	220 kV	PUSAULI-SAHUPURI	1	0	139	0.0	2.5	-2.5
14	132 kV	SONE NAGAR-RIHAND	1	0	0	0.0	0.1	-0.1
15	132 kV	GARWAH-RIHAND	1	20	0	0.5	0.0	0.5
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	0.5	117.5	-117.0
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	1144	127	12.8	0.0	12.8
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1047	205	12.4	0.0	12.4
3	765 kV	JHARSUGUDA-DURG	2	187	207	0.0	0.5	-0.5
4	400 kV	JHARSUGUDA-RAIGARH	4	0	439	0.0	5.4	-5.4
5	400 kV	RANCHI-SIPAT	2	219	144	1.9	0.0	1.9
6	220 kV	BUDHIPADAR-RAIGARH	1	0	137	0.0	2.3	-2.3
7	220 kV	BUDHIPADAR-KORBA	2	106	0	1.6	0.0	1.6
					ER-WR	28.6	8.2	20.4
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	546	0.0	9.7	-9.7
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1638	0.0	34.2	-34.2
3	765 kV	ANGUL-SRIKAKULAM	2	0	2680	0.0	43.9	-43.9
4	400 kV	TALCHER-I/C	2	220	799	0.0	12.8	-12.8
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
					ER-SR	0.0	87.8	-87.8
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	96	177	0.0	1.4	-1.4
2	400 kV	ALIPURDUAR-BONGAIGAON	2	334	71	2.7	0.0	2.7
3	220 kV	ALIPURDUAR-SALAKATI	2	9	62	0.0	0.5	-0.5
					ER-NER	2.7	1.9	0.8
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	504	0.0	12.1	-12.1
					NER-NR	0.0	12.1	-12.1
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	3021	0.0	49.6	-49.6
2	HVDC	VINDHYACHAL B/B	-	246	52	3.3	0.2	3.1
3	HVDC	MUNDRA-MOHINDERGARH	2	0	979	0.0	22.9	-22.9
4	765 kV	GWALIOR-AGRA	2	0	1929	0.0	29.2	-29.2
5	765 kV	GWALIOR-PHAGI	2	0	1799	0.0	34.0	-34.0
6	765 kV	JABALPUR-ORAI	2	0	965	0.0	35.9	-35.9
7	765 kV	GWALIOR-ORAI	1	740	0	15.6	0.0	15.6
8	765 kV	SATNA-ORAI	1	0	800	0.0	17.1	-17.1
9	765 kV	BANASKANTHA-CHITORGARH	2	1662	0	26.7	0.0	26.7
10	765 kV	VINDHYACHAL-VARANASI	2	0	2653	0.0	44.3	-44.3
11	400 kV	ZERDA-KANKROLI	1	367	0	5.7	0.0	5.7
12	400 kV	ZERDA -BHINMAL	1	511	0	6.9	0.0	6.9
13	400 kV	VINDHYACHAL -RIHAND	1	972	0	22.4	0.0	22.4
14	400 kV	RAPP-SHUJALPUR	2	0	501	0.0	6.0	-6.0
15	220 kV	BHANPURA-RANPUR	1	0	92	0.0	0.9	-0.9
16	220 kV	BHANPURA-MORAK	1	0	30	0.1	0.6	-0.5
17	220 kV	MEHGAON-AURAIYA	1	122	0	0.8	0.0	0.7
18	220 kV	MALANPUR-AURAIYA	1	89	9	1.4	0.0	1.4
19	132 kV	GWALIOR-SAWAI MADHOPUR	1	0	0	0.0	0.0	0.0
20	132 kV	RAJGHAT-LALITPUR	2	0	0	0.0	0.0	0.0
					WR-NR	82.8	240.6	-157.7
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	300	0	7.3	0.0	7.3
2	HVDC	RAIGARH-PUGALUR	2	1456	0	35.2	0.0	35.2
3	765 kV	SOLAPUR-RAICHUR	2	1294	1217	4.7	0.0	4.7
4	765 kV	WARDHA-NIZAMABAD	2	0	2489	0.0	29.7	-29.7
5	400 kV	KOLHAPUR-KUDGI	2	973	0	14.4	0.0	14.4
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	76	1.4	0.0	1.4
					WR-SR	63.0	29.7	33.4

INTERNATIONAL EXCHANGES

Import(+ve)/Export(-ve)

State	Region	Line Name	Max (MW)	Min (MW)	Avg (MW)	Energy Exchange (MU)
BHUTAN	ER	400kV MANGDECHHU-ALIPURDUAR 1,2&3 i.e. ALIPURDUAR RECEIPT (from MANGDECHU HEP 4*180MW)	630	619	620	14.9
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	1049	852	1008	24.2
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	364	259	264	6.3
	NER	132kV GELEPHU-SALAKATI	23	10	17	0.4
	NER	132kV MOTANGA-RANGIA	56	32	43	1.0
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-54	0	-18	-0.4
	ER	NEPAL IMPORT (FROM BIHAR)	-98	-1	-13	-0.3
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	86	16	22	0.5
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-718	-457	-562	-13.5
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-130	0	-113	-2.7