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:07th 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 06.08.2021.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 06-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 06th 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: 07-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)	60700	51079	42875	22400	2759	179813
Peak Shortage (MW)	1984	0	40	0	2	2026
Energy Met (MU)	1372	1200	1078	505	57	4213
Hydro Gen (MU)	378	31	183	148	27	766
Wind Gen (MU)	26	137	209	-	-	372
Solar Gen (MU)*	51.63	23.17	91.86	4.63	0.25	172
Energy Shortage (MU)	8.59	0.00	0.14	0.00	0.00	8.73
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	62790	52443	52286	23042	2787	186945
Time Of Maximum Demand Met (From NLDC SCADA)	22:35	09:53	10:49	20:35	20:37	11:39

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	0.059	0.38	1.93	10.92	13.24	71.91	14.85

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	11144	0	241.2	158.5	-3.1	259	0.00
	Haryana	9435	0	201.1	168.3	0.8	384	0.00
	Rajasthan	10689	0	234.6	65.7	0.5	668	4.27
	Delhi	5677	0	118.9	105.1	-0.7	129	0.03
	UP	22835	0	453.7	225.6	-0.3	783	0.00
	Uttarakhand	2092	0	45.2	16.3	0.7	141	0.84
	HP	1542	0	28.6	-7.3	-3.9	59	0.00
	J&K(UT) & Ladakh(UT)	2388	250	42.3	16.4	1.0	385	3.45
	Chandigarh	309	0	6.2	6.1	0.1	27	0.00
WR	Chhattisgarh	4519	0	106.9	47.7	0.5	217	0.00
	Gujarat	17239	0	372.2	178.3	3.3	1191	0.00
	MP	8554	0	187.2	109.2	-1.5	439	0.00
	Maharashtra	21836	0	480.2	147.2	2.4	536	0.00
	Goa	565	0	11.5	11.4	-0.1	49	0.00
	DD	335	0	7.4	7.0	0.4	37	0.00
	DNH	847	0	19.1	19.4	-0.3	53	0.00
	AMNSIL	752	0	15.9	6.4	-0.1	288	0.00
SR	Andhra Pradesh	10715	0	216.6	54.4	1.2	758	0.00
	Telangana	12050	0	237.5	90.4	-0.3	642	0.00
	Karnataka	10836	0	195.6	26.7	0.8	759	0.00
	Kerala	3316	0	69.4	28.4	-1.1	184	0.00
	Tamil Nadu	16011	0	350.2	132.0	-2.9	419	0.00
	Puducherry	422	0	9.2	9.2	-0.1	46	0.14
ER	Bihar	6216	0	130.6	122.1	1.4	361	0.00
	DVC	3084	0	65.7	-33.5	-0.9	208	0.00
	Jharkhand	1487	0	28.9	23.2	-1.6	182	0.00
	Odisha	5404	0	109.3	34.9	0.5	478	0.00
	West Bengal	8227	0	169.7	53.6	-1.7	279	0.00
	Sikkim	80	0	1.4	1.6	-0.2	14	0.00
NER	Arunachal Pradesh	146	0	2.2	2.4	-0.3	32	0.00
	Assam	1865	0	37.5	31.1	0.1	75	0.00
	Manipur	195	0	2.6	2.5	0.0	28	0.00
	Meghalaya	289	0	5.7	1.9	0.1	63	0.00
	Mizoram	99	0	1.6	1.4	0.0	24	0.00
	Nagaland	125	0	2.7	2.2	0.0	10	0.00
	Tripura	244	0	4.8	5.0	-0.2	44	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	46.9	-4.6	-17.0
Day Peak (MW)	2017.0	-408.2	-824.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	328.9	-206.1	16.9	-135.6	-4.1	0.0
Actual(MU)	320.0	-209.3	17.6	-131.1	-7.1	-10.0
O/D/U/D(MU)	-8.9	-3.2	0.7	4.4	-3.0	-10.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	5387	16964	10902	820	409	34481	43
State Sector	11665	19504	8248	5705	11	45133	57
Total	17052	36468	19150	6525	420	79614	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	536	1153	469	501	14	2672	62
Lignite	23	9	40	0	0	72	2
Hydro	378	31	183	148	27	766	18
Nuclear	26	32	42	0	0	100	2
Gas, Naptha & Diesel	25	36	9	0	28	98	2
RES (Wind, Solar, Biomass & Others)	100	160	335	5	0	600	14
Total	1089	1422	1076	653	69	4309	100

Share of RES in total generation (%)	9.19	11.26	31.14	0.71	0.36	13.93
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	46.31	15.73	51.99	23.32	39.48	34.04

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.034
Based on State Max Demands	1.078

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: 07-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	1002	0.0	24.6	-24.6
2	HVDC	PUSAULI B/B	-	0	247	0.0	6.0	-6.0
3	765 kV	GAYA-VARANASI	2	0	575	0.0	7.0	-7.0
4	765 kV	SASARAM-FATEHPUR	1	0	393	0.0	4.8	-4.8
5	765 kV	GAYA-BALIA	1	0	496	0.0	8.8	-8.8
6	400 kV	PUSAULI-VARANASI	1	0	161	0.0	2.8	-2.8
7	400 kV	PUSAULI -ALLAHABAD	1	0	162	0.0	3.2	-3.2
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	729	0.0	13.8	-13.8
9	400 kV	PATNA-BALIA	4	0	1105	0.0	20.9	-20.9
10	400 kV	BIHARSHARIFF-BALIA	2	0	326	0.0	4.3	-4.3
11	400 kV	MOTIHARI-GORAKHPUR	2	0	481	0.0	8.7	-8.7
12	400 kV	BIHARSHARIFF-VARANASI	2	0	229	0.0	3.1	-3.1
13	220 kV	PUSAULI-SAHUPURI	1	0	143	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	110.8	-110.3
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	1332	0	15.3	0.0	15.3
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1198	0	20.4	0.0	20.4
3	765 kV	JHARSUGUDA-DURG	2	276	0	4.1	0.0	4.1
4	400 kV	JHARSUGUDA-RAIGARH	4	0	345	0.0	4.4	-4.4
5	400 kV	RANCHI-SIPAT	2	247	2	4.2	0.0	4.2
6	220 kV	BUDHIPADAR-RAIGARH	1	0	120	0.0	1.9	-1.9
7	220 kV	BUDHIPADAR-KORBA	2	118	0	1.6	0.0	1.6
					ER-WR	45.5	6.2	39.3
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	392	0.0	8.7	-8.7
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1637	0.0	36.1	-36.1
3	765 kV	ANGUL-SRIKAKULAM	2	0	2360	0.0	39.4	-39.4
4	400 kV	TALCHER-I/C	2	0	812	0.0	12.9	-12.9
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
					ER-SR	0.0	84.2	-84.2
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	68	163	0.0	2.5	-2.5
2	400 kV	ALIPURDUAR-BONGAIGAON	2	211	149	0.0	0.6	-0.6
3	220 kV	ALIPURDUAR-SALAKATI	2	14	70	0.0	0.7	-0.7
					ER-NER	0.0	3.7	-3.7
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	2522	0.0	38.1	-38.1
2	HVDC	VINDHYACHAL B/B	-	244	2	3.6	0.0	3.6
3	HVDC	MUNDRA-MOHINDERGARH	2	0	1453	0.0	28.3	-28.3
4	765 kV	GWALIOR-AGRA	2	0	2336	0.0	42.4	-42.4
5	765 kV	GWALIOR-PHAGI	2	0	1875	0.0	35.6	-35.6
6	765 kV	JABALPUR-ORAI	2	0	1100	0.0	44.8	-44.8
7	765 kV	GWALIOR-ORAI	1	787	0	15.9	0.0	15.9
8	765 kV	SATNA-ORAI	1	0	939	0.0	19.3	-19.3
9	765 kV	BANASKANTHA-CHITORGARH	2	1492	16	16.1	0.0	16.1
10	765 kV	VINDHYACHAL-VARANASI	2	0	2982	0.0	57.9	-57.9
11	400 kV	ZERDA-KANKROLI	1	352	0	4.4	0.0	4.4
12	400 kV	ZERDA -BHINMAL	1	457	6	5.8	0.0	5.8
13	400 kV	VINDHYACHAL -RIHAND	1	970	0	22.3	0.0	22.3
14	400 kV	RAPP-SHUJALPUR	2	0	622	0.0	9.5	-9.5
15	220 kV	BHANPURA-RANPUR	1	0	118	0.0	1.9	-1.9
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	1.7	-1.7
17	220 kV	MEHGAON-AURAIYA	1	92	11	0.3	0.2	0.1
18	220 kV	MALANPUR-AURAIYA	1	59	33	0.7	0.0	0.7
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	69.0	279.7	-210.7
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	297	0	7.3	0.0	7.3
2	HVDC	RAIGARH-PUGALUR	2	1455	0	32.1	0.0	32.1
3	765 kV	SOLAPUR-RAICHUR	2	1081	498	10.0	0.0	10.0
4	765 kV	WARDHA-NIZAMABAD	2	0	2201	0.0	27.1	-27.1
5	400 kV	KOLHAPUR-KUDGI	2	1179	0	18.2	0.0	18.2
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	77	1.4	0.0	1.4
					WR-SR	69.0	27.1	41.9

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)	625	619	619	14.9
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	1026	1010	1013	24.3
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	284	0	261	6.3
	NER	132kV GELEPHU-SALAKATI	25	14	19	0.5
	NER	132kV MOTANGA-RANGIA	57	24	42	1.0
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-77	0	-44	-1.1
	ER	NEPAL IMPORT (FROM BIHAR)	-222	-11	-91	-2.2
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-109	0	-57	-1.4
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-696	-456	-595	-14.3
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-128	0	-114	-2.7