



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: 09th 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., 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 08.08.2021.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 08-अगस्त-2021 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रा०भा०प्रे०के० 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 08th 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: 09-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)	56316	51577	39224	22436	2861	172414
Peak Shortage (MW)	200	0	0	0	0	200
Energy Met (MU)	1312	1233	1022	473	55	4095
Hydro Gen (MU)	379	31	166	140	30	745
Wind Gen (MU)	22	56	97	-	-	176
Solar Gen (MU)*	52.36	29.10	100.21	4.20	0.22	186
Energy Shortage (MU)	3.80	0.00	0.00	0.00	0.00	3.80
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	61379	53002	49260	22580	2875	179277
Time Of Maximum Demand Met (From NLDC SCADA)	00:00	09:44	10:57	20:43	19:06	10:57

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	0.025	0.00	0.00	1.02	1.02	67.33	31.65

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	11394	0	259.8	158.1	-0.1	106	0.00
	Haryana	8829	0	180.5	148.0	-1.7	192	0.00
	Rajasthan	10223	0	231.5	55.0	-1.0	595	0.00
	Delhi	5060	0	101.1	93.2	-0.1	197	0.00
	UP	21153	0	422.6	193.8	-0.8	455	0.35
	Uttarakhand	1879	0	42.1	13.7	0.0	80	0.00
	HP	1290	0	24.3	-9.6	-4.3	0	0.00
	J&K(UT) & Ladakh(UT)	2242	250	44.9	19.7	-0.1	225	3.45
	Chandigarh	278	0	5.3	5.9	-0.7	1	0.00
	Chhattisgarh	4643	0	111.5	52.3	-0.2	214	0.00
WR	Gujarat	16926	0	379.7	181.0	-1.7	514	0.00
	MP	8882	0	192.3	115.5	-1.1	613	0.00
	Maharashtra	22098	0	494.1	155.3	3.8	868	0.00
	Goa	516	0	11.0	10.1	0.3	33	0.00
	DD	303	0	6.5	6.3	0.2	32	0.00
	DNH	820	0	19.1	18.7	0.4	52	0.00
	AMNSIL	888	0	19.1	8.3	-8.3	269	0.00
SR	Andhra Pradesh	10914	0	214.7	87.4	3.9	1468	0.00
	Telangana	11812	0	235.3	93.2	1.3	1041	0.00
	Karnataka	10202	0	186.1	36.1	-0.6	620	0.00
	Kerala	2973	0	61.3	21.5	-1.1	198	0.00
	Tamil Nadu	13876	0	315.8	125.8	-2.1	317	0.00
	Puducherry	420	0	8.7	8.8	-0.1	24	0.00
ER	Bihar	6088	0	118.3	113.0	-2.0	336	0.00
	DVC	3059	0	65.0	-37.9	-0.2	376	0.00
	Jharkhand	1457	0	27.3	21.9	-0.5	120	0.00
	Odisha	5310	0	106.6	30.1	-0.7	381	0.00
	West Bengal	7742	0	154.8	40.5	0.8	486	0.00
NER	Sikkim	67	0	1.0	1.2	-0.2	13	0.00
	Arunachal Pradesh	139	0	2.3	2.3	0.1	48	0.00
	Assam	1919	0	36.2	27.9	0.5	122	0.00
	Manipur	182	0	2.6	2.6	0.0	26	0.00
	Meghalaya	295	0	5.5	0.7	0.0	57	0.00
	Mizoram	94	0	1.5	1.3	0.0	23	0.00
	Nagaland	127	0	2.4	2.1	-0.1	15	0.00
	Tripura	256	0	4.6	4.9	-0.2	63	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	46.9	-2.0	-17.0
Day Peak (MW)	2028.0	-428.6	-852.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	237.2	-144.6	54.1	-137.2	-9.5	0.0
Actual(MU)	207.5	-125.9	57.2	-131.2	-11.5	-3.9
O/D/U/D(MU)	-29.6	18.8	3.0	6.0	-2.1	-3.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	5212	16593	10032	1495	409	33740	48
State Sector	7895	16599	7768	4935	11	37208	52
Total	13107	33192	17800	6430	420	70948	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	595	1186	485	466	13	2744	66
Lignite	27	10	44	0	0	81	2
Hvdro	379	31	166	140	30	745	18
Nuclear	23	32	42	0	0	97	2
Gas, Naptha & Diesel	16	33	9	0	29	87	2
RES (Wind, Solar, Biomass & Others)	91	85	232	4	0	413	10
Total	1131	1377	977	611	72	4167	100
Share of RES in total generation (%)	8.08	6.19	23.73	0.69	0.31	9.91	
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	43.61	10.78	44.99	23.60	41.63	30.12	

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.055
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: 09-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	1502	0.0	30.9	-30.9
2	HVDC	PUSAULI B/B	-	0	247	0.0	5.9	-5.9
3	765 kV	GAYA-VARANASI	2	137	253	0.0	1.2	-1.2
4	765 kV	SASARAM-FATEHPUR	1	0	229	0.0	2.4	-2.4
5	765 kV	GAYA-BALIA	1	19	429	0.0	5.8	-5.8
6	400 kV	PUSAULI-VARANASI	1	0	191	0.0	3.6	-3.6
7	400 kV	PUSAULI-ALLAHABAD	1	0	131	0.0	2.1	-2.1
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	602	0.0	10.8	-10.8
9	400 kV	PATNA-BALIA	4	0	851	0.0	12.8	-12.8
10	400 kV	BIHARSHARIFF-BALIA	2	34	224	0.0	2.5	-2.5
11	400 kV	MOTIHARI-GORAKHPUR	2	0	373	0.0	6.1	-6.1
12	400 kV	BIHARSHARIFF-VARANASI	2	79	67	0.2	0.0	0.2
13	220 kV	PUSAULI-SAHUPURI	1	0	253	0.0	4.2	-4.2
14	132 kV	SONENAGAR-RIHAND	1	0	0	0.0	0.0	0.0
15	132 kV	GARWAH-RIHAND	1	20	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-CHANDAULI	1	0	0	0.0	0.0	0.0
						ER-NR	88.2	-87.7
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	1238	0	14.0	0.0	14.0
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1254	166	15.8	0.0	15.8
3	765 kV	JHARSUGUDA-DURG	2	182	225	0.2	0.0	0.2
4	400 kV	JHARSUGUDA-RAIGARH	4	0	463	0.0	5.5	-5.5
5	400 kV	RANCHI-SIPAT	2	265	128	2.7	0.0	2.7
6	220 kV	BUDHIPADAR-RAIGARH	1	0	134	0.0	2.2	-2.2
7	220 kV	BUDHIPADAR-KORBA	2	104	1	1.6	0.0	1.6
						ER-WR	34.2	26.5
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	545	0.0	10.7	-10.7
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1984	0.0	37.7	-37.7
3	765 kV	ANGUL-SRIKAKULAM	2	0	2788	0.0	48.2	-48.2
4	400 kV	TALCHER-I/C	2	0	1114	0.0	16.1	-16.1
5	220 kV	BALMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
						ER-SR	96.6	-96.6
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	51	176	0.0	1.8	-1.8
2	400 kV	ALIPURDUAR-BONGAIGAON	2	320	155	2.6	0.0	2.6
3	220 kV	ALIPURDUAR-SALAKATI	2	8	56	0.0	0.4	-0.4
						ER-NER	2.6	0.3
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALL-AGRA	2	0	504	0.0	12.3	-12.3
						NER-NR	12.3	-12.3
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	3021	0.0	30.0	-30.0
2	HVDC	VINDHYACHAL B/B	-	0	53	0.0	1.2	-1.2
3	HVDC	MUNDRAL-MOHINDERGARH	2	0	979	0.0	16.0	-16.0
4	765 kV	GWALIOR-AGRA	2	355	1824	0.3	24.0	-23.7
5	765 kV	GWALIOR-PHAGI	2	0	1768	0.0	28.5	-28.5
6	765 kV	JABALPUR-ORAI	2	0	997	0.0	30.3	-30.3
7	765 kV	GWALIOR-ORAI	1	816	0	14.4	0.0	14.4
8	765 kV	SATNA-ORAI	1	0	789	0.0	16.4	-16.4
9	765 kV	BANASKANTHA-CHITORGARH	2	1752	0	26.3	0.0	26.3
10	765 kV	VINDHYACHAL-VARANASI	2	0	2718	0.0	45.1	-45.1
11	400 kV	ZERDA-KANKROLI	1	398	0	6.4	0.0	6.4
12	400 kV	ZERDA -BHINMAL	1	570	0	9.0	0.0	9.0
13	400 kV	VINDHYACHAL -RIHAND	1	967	0	22.1	0.0	22.1
14	400 kV	RAPP-SHUALPUR	2	72	485	0.1	4.0	-4.0
15	220 kV	BHANPURA-RANPUR	1	8	70	0.0	0.7	-0.7
16	220 kV	BHANPURA-MORAK	1	0	30	0.1	0.4	-0.3
17	220 kV	MEHGAON-AURAIYA	1	132	0	0.8	0.0	0.8
18	220 kV	MALANPUR-AURAIYA	1	98	0	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	80.9	-115.7
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	300	0	7.4	0.0	7.4
2	HVDC	RAIGARH-PUGALUR	2	1446	0	26.3	0.0	26.3
3	765 kV	SOLAPUR-RAICHUR	2	1342	1262	3.7	0.0	3.7
4	765 kV	WARDHA-NIZAMABAD	2	0	2606	0.0	35.2	-35.2
5	400 kV	KOLHAPUR-KUDGI	2	826	0	13.4	0.0	13.4
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	73	0.0	1.4	1.4
						WR-SR	52.1	16.9

INTERNATIONAL EXCHANGES				Import(+ve)/Export(-ve) Energy Exchange (MU)			
State	Region	Line Name	Max (MW)	Min (MW)	Avg (MW)		
BHUTAN	ER	400kV MANGDECHHU-ALIPURDUAR 1,2&3 i.e. ALIPURDUAR RECEIPT (from MANGDECHHU HEP 4*180MW)	643	0	625	15.0	
	ER	400kV TALA-BINAGURI 1,2,3 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW))	1030	1020	1026	24.6	
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	279	0	250	6.0	
	NER	132kV GELEPHU-SALAKATI	22	14	20	0.5	
	NER	132kV MOTANGA-RANGIA	54	27	31	0.7	
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-70	0	-28	-0.7	
	ER	NEPAL IMPORT (FROM BIHAR)	-172	-1	-37	-0.9	
BANGLADESH	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-187	-14	-21	-0.5	
	ER	BHERAMARA B/B HVDC (BANGLADESH)	-707	-551	-585	-14.0	
BANGLADESH	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-145	0	-125	-3.0	