



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: 26th 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 25.08.2021.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 25-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 25th 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: 26-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)	61237	55155	43096	22061	2950	184499
Peak Shortage (MW)	1888	403	0	1468	0	3759
Energy Met (MU)	1411	1291	1021	513	57	4292
Hydro Gen (MU)	349	45	153	145	27	719
Wind Gen (MU)	69	133	93	-	-	296
Solar Gen (MU)*	57.02	34.85	88.98	4.77	0.18	186
Energy Shortage (MU)	12.65	3.10	0.00	4.40	0.00	20.15
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	63068	55391	48860	23154	2948	188924
Time Of Maximum Demand Met (From NLDC SCADA)	12:21	15:33	09:47	23:19	18:42	12:23

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	0.043	0.00	1.57	8.30	9.87	81.84	8.29

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	11815	0	257.9	154.4	-0.9	139	0.00
	Haryana	9354	255	206.7	152.7	1.8	481	4.21
	Rajasthan	13387	0	289.8	67.3	1.3	356	0.00
	Delhi	5775	0	118.8	107.4	-1.8	131	0.00
	UP	20654	1070	405.9	158.6	0.3	618	4.53
	Uttarakhand	1903	0	41.1	13.6	0.5	161	0.46
	HP	1578	0	35.0	-4.9	0.7	178	0.00
	J&K(UT) & Ladakh(UT)	2448	250	48.9	24.5	-0.4	333	3.45
WR	Chandigarh	346	0	6.7	6.3	0.4	45	0.00
	Chhattisgarh	4690	0	112.1	63.7	3.1	354	3.10
	Gujarat	18467	0	404.9	187.3	0.3	595	0.00
	MP	9949	0	225.5	130.0	1.7	744	0.00
	Maharashtra	21950	0	489.7	142.8	5.7	599	0.00
	Goa	582	0	13.0	11.9	0.5	54	0.00
	DD	342	0	7.5	7.1	0.4	99	0.00
	DNH	858	0	19.9	19.9	0.0	72	0.00
SR	AMNSIL	893	0	18.2	6.8	0.3	305	0.00
	Andhra Pradesh	9378	0	194.0	100.6	-0.7	522	0.00
	Telangana	12159	0	232.4	71.2	0.7	678	0.00
	Karnataka	9600	0	188.8	4.1	1.1	1079	0.00
	Kerala	3607	0	73.5	43.1	-0.6	239	0.00
	Tamil Nadu	14876	0	324.4	145.7	2.3	1771	0.00
	Puducherry	382	0	8.0	8.1	-0.2	31	0.00
	ER	Bihar	5729	0	111.5	103.3	1.8	501
DVC		3051	0	65.8	-32.9	1.8	348	0.60
Jharkhand		1454	0	31.5	24.2	-0.7	189	0.80
Odisha		5814	0	120.2	35.6	-0.4	375	0.00
West Bengal		8411	0	182.1	69.6	-0.2	597	0.00
Sikkim		83	0	1.4	1.3	0.1	26	0.00
NER	Arunachal Pradesh	125	0	2.4	2.5	-0.1	19	0.00
	Assam	1915	0	36.6	30.3	0.3	146	0.00
	Manipur	185	0	2.6	2.6	0.0	28	0.00
	Meghalaya	329	0	6.1	1.3	0.0	48	0.00
	Mizoram	108	0	1.7	1.3	-0.1	22	0.00
	Nagaland	125	0	2.6	2.2	-0.1	18	0.00
	Tripura	287	0	4.6	4.7	-0.4	66	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	51.0	0.3	-19.9
Day Peak (MW)	2325.0	49.5	-854.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	227.7	-175.1	44.4	-91.4	-5.6	0.0
Actual(MU)	214.1	-164.0	39.7	-81.9	-6.7	1.1
O/D/U/D(MU)	-13.7	11.1	-4.7	9.4	-1.0	1.1

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	5459	16265	11102	3015	809	36649	49
State Sector	9715	17424	6155	4885	11	38190	51
Total	15174	33689	17257	7900	820	74839	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	649	1172	543	451	15	2830	65
Lignite	23	11	35	0	0	68	2
Hydro	349	45	153	145	27	719	17
Nuclear	17	32	41	0	0	90	2
Gas, Naptha & Diesel	30	35	10	0	26	102	2
RES (Wind, Solar, Biomass & Others)	146	169	211	5	0	530	12
Total	1214	1464	993	600	69	4339	100

Share of RES in total generation (%)	12.02	11.51	21.26	0.79	0.26	12.22
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	42.14	16.80	40.77	24.93	40.08	30.87

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.024
Based on State Max Demands	1.072

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: 26-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	1401	0.0	34.6	-34.6	
2	HVDC	PUSAULI B/B	-	0	247	0.0	6.0	-6.0	
3	765 kV	GAYA-VARANASI	2	273	220	0.5	0.0	0.5	
4	765 kV	SASARAM-FATEHPUR	1	83	130	0.0	0.5	-0.5	
5	765 kV	GAYA-BALIA	1	0	434	0.0	6.4	-6.4	
6	400 kV	PUSAULI-VARANASI	1	0	180	0.0	3.5	-3.5	
7	400 kV	PUSAULI-ALLAHABAD	1	0	140	0.0	2.3	-2.3	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	436	0.0	6.8	-6.8	
9	400 kV	PATNA-BALIA	4	0	738	0.0	14.8	-14.8	
10	400 kV	BIHARSHARIF-BALIA	2	26	186	0.0	1.7	-1.7	
11	400 kV	MOTHARI-GORAKHPUR	2	0	331	0.0	5.3	-5.3	
12	400 kV	BIHARSHARIF-VARANASI	2	127	56	0.6	0.0	0.6	
13	220 kV	PUSAULI-SAHUPURI	1	56	155	0.0	0.6	-0.6	
14	132 kV	SONE NAGAR-RIHAND	1	0	0	0.0	0.0	0.0	
15	132 kV	GARWAH-RIHAND	1	20	0	0.6	0.0	0.6	
16	132 kV	KARMANASA-SAHUPURI	1	3	0	0.0	0.0	0.0	
17	132 kV	KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0	
						ER-NR	1.8	82.4	-80.6
Import/Export of ER (With WR)									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	1275	0	20.4	0.0	20.4	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1598	0	22.9	0.0	22.9	
3	765 kV	JHARSUGUDA-DURG	2	433	0	11.7	0.0	11.7	
4	400 kV	JHARSUGUDA-RAIGARH	4	15	388	0.0	3.7	-3.7	
5	400 kV	RANCHI-SIPAT	2	352	6	3.1	0.0	3.1	
6	220 kV	BUDHIPADAR-RAIGARH	1	0	136	0.0	2.3	-2.3	
7	220 kV	BUDHIPADAR-KORBA	2	49	58	0.2	0.0	0.2	
						ER-WR	58.3	6.1	52.3
Import/Export of ER (With SR)									
1	HVDC	JEVPORE-GAZIWAKA B/B	2	0	286	0.0	6.2	-6.2	
2	HVDC	TALCHER-OLAR BIPOLE	2	0	1200	0.0	28.9	-28.9	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2335	0.0	40.2	-40.2	
4	400 kV	TALCHER-IC	2	0	349	0.0	7.6	-7.6	
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0	
						ER-SR	0.0	75.2	-75.2
Import/Export of ER (With NER)									
1	400 kV	BINAGURI-BONGAIGAON	2	71	352	0.0	3.1	-3.1	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	296	339	0.4	0.0	0.4	
3	220 kV	ALIPURDUAR-SALAKATI	2	13	106	0.0	1.1	-1.1	
						ER-NER	0.4	4.2	-3.8
Import/Export of NER (With NR)									
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	503	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	1306	0.0	18.6	-18.6	
2	HVDC	VINDHYACHAL B/B	-	244	0	4.6	0.0	4.6	
3	HVDC	MUNDRYA-MOHINDERGARH	2	0	296	0.0	7.4	-7.4	
4	765 kV	GWALIOR-AGRA	2	0	1798	0.0	28.6	-28.6	
5	765 kV	GWALIOR-PHAGI	2	0	1647	0.0	30.7	-30.7	
6	765 kV	JABALPUR-ORAI	2	0	746	0.0	31.5	-31.5	
7	765 kV	GWALIOR-ORAI	1	643	0	15.4	0.0	15.4	
8	765 kV	SATNA-ORAI	1	0	863	0.0	17.3	-17.3	
9	765 kV	BANASKANTHA-CHITORGARH	2	1047	166	6.9	0.0	6.9	
10	765 kV	VINDHYACHAL-VARANASI	2	0	3038	0.0	49.9	-49.9	
11	400 kV	ZERDA-KANKROLI	1	306	0	4.2	0.0	4.2	
12	400 kV	ZERDA-BHINMAL	1	546	0	9.6	0.0	9.6	
13	400 kV	VINDHYACHAL-RIHAND	1	952	0	22.1	0.0	22.1	
14	400 kV	RAPP-SHUALPUR	2	0	410	0.0	7.8	-7.8	
15	220 kV	BHANPURA-RANPUR	1	0	114	0.0	1.8	-1.8	
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	1.3	-1.3	
17	220 kV	MEHGAON-AURAIYA	1	141	0	1.3	0.0	1.3	
18	220 kV	MALANPUR-AURAIYA	1	106	0	3.4	0.0	3.4	
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	67.4	194.9	-127.5
Import/Export of WR (With SR)									
1	HVDC	BHADRAWATI B/B	-	635	0	14.3	0.0	14.3	
2	HVDC	RAIGARH-PUGALUR	2	481	0	11.5	0.0	11.5	
3	765 kV	SOLAPUR-RAICHUR	2	937	1177	7.0	6.3	0.8	
4	765 kV	WARDHA-NIZAMABAD	2	0	2521	0.0	35.9	-35.9	
5	400 kV	KOLHAPUR-KUDGI	2	1249	0	19.7	0.0	19.7	
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	1	93	1.6	0.0	1.6	
						WR-SR	54.1	42.2	11.9

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 i.e. ALIPURDUAR RECEIPT (from MANGDECHHU HEP 4*180MW)	821	768	785	18.8
	ER	400kV TALA-BINAGURI 1,2,4 & 400kV MALBASE - BINAGURI i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW))	1101	0	1018	24.4
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	303	235	243	5.8
	NER	132kV GELEPHU-SALAKATI	44	22	33	0.8
	NER	132kV MOTANGA-RANGIA	56	34	45	1.1
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-56	0	-13	-0.3
	ER	NEPAL IMPORT (FROM BIHAR)	-11	-1	-4	-0.1
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	116	0	30	0.7
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-716	-703	-708	-17.0
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-138	0	-121	-2.9