



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: 27th 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 26.08.2021.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 26-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 26th 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: 27-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)	59158	54822	41988	22534	2914	181416
Peak Shortage (MW)	2327	470	0	481	0	3278
Energy Met (MU)	1442	1302	999	495	56	4294
Hydro Gen (MU)	340	57	152	146	30	725
Wind Gen (MU)	61	141	113	-	-	316
Solar Gen (MU)*	56.06	33.03	89.24	4.54	0.08	183
Energy Shortage (MU)	14.66	2.90	0.00	1.44	0.00	19.00
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	64980	56871	48714	22931	2932	190483
Time Of Maximum Demand Met (From NLDC SCADA)	12:34	09:54	10:53	00:11	19:42	12:40

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	0.077	0.91	3.56	13.14	17.61	75.70	6.69

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	11991	0	270.9	160.5	-2.0	24	0.00
	Haryana	9853	0	219.4	166.0	-0.8	190	0.00
	Rajasthan	13585	0	289.1	94.5	5.5	537	4.40
	Delhi	5559	0	117.1	101.9	-2.3	204	0.00
	UP	20593	0	414.3	159.6	-3.1	549	5.34
	Uttarakhand	1871	0	40.7	11.4	1.2	127	1.47
	HP	1551	0	34.6	-4.0	0.2	158	0.00
	J&K(UT) & Ladakh(UT)	2249	200	49.1	23.4	0.9	231	3.45
WR	Chandigarh	344	0	6.9	6.5	0.3	33	0.00
	Chhattisgarh	4801	0	114.1	65.2	2.9	453	2.90
	Gujarat	19148	0	414.2	161.5	2.0	536	0.00
	MP	10166	0	231.8	138.5	5.5	1082	0.00
	Maharashtra	22029	0	482.0	143.6	-6.5	635	0.00
	Goa	579	0	12.9	12.0	0.3	38	0.00
	DD	344	0	7.6	7.1	0.5	112	0.00
	DNH	866	0	20.0	19.9	0.1	73	0.00
SR	AMNSIL	879	0	19.6	9.3	-0.3	285	0.00
	Andhra Pradesh	9246	0	190.8	89.8	0.6	936	0.00
	Telangana	10328	0	204.7	61.7	-0.7	810	0.00
	Karnataka	10390	0	195.8	15.5	-0.9	741	0.00
	Kerala	3458	0	72.9	42.4	-1.0	252	0.00
	Tamil Nadu	14963	0	326.3	138.4	-2.2	452	0.00
	Puducherry	432	0	8.2	8.3	-0.1	59	0.00
	ER	Bihar	5783	0	109.1	103.2	-0.1	392
DVC		3091	0	64.5	-32.1	-0.4	314	0.00
Jharkhand		1459	95	28.7	24.1	-1.6	260	0.84
Odisha		5634	0	122.1	40.5	-1.1	281	0.00
West Bengal		8142	0	169.6	54.0	-1.8	378	0.00
Sikkim		82	0	1.3	1.2	0.0	29	0.00
NER	Arunachal Pradesh	127	0	2.5	2.7	-0.2	19	0.00
	Assam	1904	0	35.5	29.8	0.3	150	0.00
	Manipur	200	0	2.7	2.5	0.2	32	0.00
	Meghalaya	321	0	5.9	1.8	-0.3	21	0.00
	Mizoram	103	0	1.6	1.3	0.0	23	0.00
	Nagaland	126	0	2.5	2.3	-0.1	22	0.00
	Tripura	290	0	5.1	5.1	-0.2	30	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	52.3	1.7	-19.7
Day Peak (MW)	2271.0	307.3	-855.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	285.0	-198.9	30.7	-111.4	-5.4	0.0
Actual(MU)	282.9	-189.1	18.7	-107.3	-6.3	-1.0
O/D/U/D(MU)	-2.1	9.8	-12.0	4.2	-0.9	-1.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	5507	16178	10102	3015	809	35610	49
State Sector	10235	18562	5455	4695	11	38958	51
Total	15742	34740	15557	7710	820	74568	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	627	1164	525	462	11	2789	64
Lignite	22	11	35	0	0	68	2
Hydro	340	57	152	146	30	725	17
Nuclear	20	32	37	0	0	90	2
Gas, Naptha & Diesel	33	65	10	0	27	134	3
RES (Wind, Solar, Biomass & Others)	137	175	234	5	0	550	13
Total	1179	1503	993	612	68	4355	100

Share of RES in total generation (%)	11.61	11.62	23.56	0.74	0.12	12.63
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	42.15	17.55	42.61	24.58	44.37	31.33

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.031
Based on State Max Demands	1.063

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: 27-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	1402	0.0	35.9	-35.9	
2	HVDC	PUSAULI B/B	-	0	247	0.0	5.9	-5.9	
3	765 kV	GAYA-VARANASI	2	202	221	0.0	0.6	-0.6	
4	765 kV	SASARAM-FATEHPUR	1	36	215	0.0	2.4	-2.4	
5	765 kV	GAYA-BALIA	1	0	468	0.0	7.3	-7.3	
6	400 kV	PUSAULI-VARANASI	1	0	163	0.0	3.0	-3.0	
7	400 kV	PUSAULI-ALLAHABAD	1	0	156	0.0	2.9	-2.9	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	582	0.0	10.3	-10.3	
9	400 kV	PATNA-BALIA	4	0	885	0.0	16.8	-16.8	
10	400 kV	BIHARSHARIF-BALIA	2	0	230	0.0	3.8	-3.8	
11	400 kV	MOTIHARI-GORAKHPUR	2	0	379	0.0	6.4	-6.4	
12	400 kV	BIHARSHARIF-VARANASI	2	84	91	0.0	0.4	-0.4	
13	220 kV	PUSAULI-SAHUPURI	1	21	65	0.0	0.8	-0.8	
14	132 kV	SONE NAGAR-RIHAND	1	0	0	0.0	0.0	0.0	
15	132 kV	GARWAH-RIHAND	1	20	0	0.7	0.0	0.7	
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	0.7	96.6	-95.9
Import/Export of ER (With WR)									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	1315	50	16.5	0.0	16.5	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1466	0	17.8	0.0	17.8	
3	765 kV	JHARSUGUDA-DURG	2	312	0	4.1	0.0	4.1	
4	400 kV	JHARSUGUDA-RAIGARH	4	34	331	0.0	3.8	-3.8	
5	400 kV	RANCHI-SIPAT	2	357	0	5.1	0.0	5.1	
6	220 kV	BUDHIPADAR-RAIGARH	1	0	151	0.0	2.5	-2.5	
7	220 kV	BUDHIPADAR-KORBA	2	54	60	0.0	0.1	-0.1	
						ER-WR	43.6	6.4	37.2
Import/Export of ER (With SR)									
1	HVDC	JEVPORE-GAZIWAKA B/B	2	0	291	0.0	6.1	-6.1	
2	HVDC	TALCHER-OLAR BIPOLE	2	0	1194	0.0	28.9	-28.9	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2199	0.0	35.9	-35.9	
4	400 kV	TALCHER-IC	2	473	434	0.0	6.1	-6.1	
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0	
						ER-SR	0.0	71.0	-71.0
Import/Export of ER (With NER)									
1	400 kV	BINAGURI-BONGAIGAON	2	6	325	0.0	3.3	-3.3	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	178	312	0.0	0.2	-0.2	
3	220 kV	ALIPURDUAR-SALAKATI	2	0	107	0.0	1.3	-1.3	
						ER-NER	0.0	4.8	-4.8
Import/Export of NER (With NR)									
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	503	0.0	12.2	-12.2	
						NER-NR	0.0	12.2	-12.2
Import/Export of WR (With NR)									
1	HVDC	CHAMPA-KURUKSHETRA	2	0	3024	0.0	38.4	-38.4	
2	HVDC	VINDHYACHAL B/B	-	244	0	2.0	0.0	2.0	
3	HVDC	MUNDRU-MOHINDERGARH	2	0	297	0.0	7.4	-7.4	
4	765 kV	GWALIOR-AGRA	2	0	1968	0.0	31.5	-31.5	
5	765 kV	GWALIOR-PHAGI	2	0	1908	0.0	34.6	-34.6	
6	765 kV	JABALPUR-ORAI	2	0	984	0.0	35.6	-35.6	
7	765 kV	GWALIOR-ORAI	1	726	0	14.6	0.0	14.6	
8	765 kV	SATNA-ORAI	1	0	917	0.0	19.7	-19.7	
9	765 kV	BANASKANTHA-CHITORGARH	2	190	291	1.6	1.2	0.4	
10	765 kV	VINDHYACHAL-VARANASI	2	0	3256	0.0	55.9	-55.9	
11	400 kV	ZERDA-KANKROLI	1	185	0	2.4	0.0	2.4	
12	400 kV	ZERDA-BHINMAL	1	460	344	6.4	0.0	6.4	
13	400 kV	VINDHYACHAL-RIHAND	1	968	0	22.5	0.0	22.5	
14	400 kV	RAPP-SHUALPUR	2	0	625	0.0	7.4	-7.4	
15	220 kV	BHANPURA-RANPUR	1	0	125	0.0	1.9	-1.9	
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	1.4	-1.4	
17	220 kV	MEHGAON-AURAIYA	1	132	0	1.1	0.0	1.1	
18	220 kV	MALANPUR-AURAIYA	1	90	0	2.0	0.0	2.0	
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	52.6	234.8	-182.2
Import/Export of WR (With SR)									
1	HVDC	BHADRAWATI B/B	-	496	0	12.1	0.0	12.1	
2	HVDC	RAIGARH-PUGALUR	2	972	0	19.3	0.0	19.3	
3	765 kV	SOLAPUR-RAICHUR	2	1251	986	4.1	0.0	4.1	
4	765 kV	WARDHA-NIZAMABAD	2	0	1722	0.0	25.6	-25.6	
5	400 kV	KOLHAPUR-KUDGI	2	1114	0	19.0	0.0	19.0	
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	96	1.7	0.0	1.7	
						WR-SR	56.2	25.6	30.6

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)	844	0	819	19.7
	ER	400kV TALA-BINAGURI 1,2,4 & 400kV MALBASE - BINAGURI i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	1034	1027	1034	24.9
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	307	0	259	6.2
	NER	132kV GELEPHU-SALAKATI	31	23	24	0.6
	NER	132kV MOTANGA-RANGIA	55	29	41	1.0
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	0	0	0	-0.3
	ER	NEPAL IMPORT (FROM BIHAR)	91	0	17	0.4
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	260	0	70	1.7
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-715	-698	-699	-16.8
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-140	0	-123	-2.9