



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 June 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 26.06.2021.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 26-जून-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 June 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-Jun-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)	60193	47117	40547	21975	2829	172661
Peak Shortage (MW)	200	0	0	0	2	202
Energy Met (MU)	1383	1124	1025	462	56	4049
Hydro Gen (MU)	321	52	96	126	24	620
Wind Gen (MU)	32	151	198	-	-	380
Solar Gen (MU)*	52.38	32.82	78.92	5.06	0.22	169
Energy Shortage (MU)	3.45	0.00	0.00	0.00	0.04	3.49
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	65421	48174	47680	22756	3110	176888
Time Of Maximum Demand Met (From NLDC SCADA)	23:11	10:50	09:56	21:30	19:24	22:30

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	0.036	0.00	0.46	7.20	7.66	75.98	16.36

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	12494	0	275.9	160.1	-6.0	121	0.00
	Haryana	10390	0	217.4	166.6	1.3	342	0.00
	Rajasthan	11307	0	244.1	67.5	1.3	487	0.00
	Delhi	5679	0	112.2	99.2	-1.0	228	0.00
	UP	21443	0	411.5	172.6	-1.4	314	0.00
	Uttarakhand	1969	0	43.4	18.1	0.8	158	0.00
	HP	1313	0	28.9	-0.6	0.4	109	0.00
	J&K(UT) & Ladakh(UT)	2192	250	43.5	19.9	-0.5	231	3.45
WR	Chandigarh	290	0	5.7	6.0	-0.3	17	0.00
	Chhattisgarh	3500	0	82.9	39.3	-0.9	178	0.00
	Gujarat	16029	0	346.5	105.0	3.8	885	0.00
	MP	8456	0	192.4	101.5	1.0	541	0.00
	Maharashtra	20416	0	447.7	133.6	-0.5	577	0.00
	Goa	532	0	11.1	9.1	1.4	49	0.00
	DD	323	0	7.2	7.1	0.1	23	0.00
	DNH	800	0	18.6	18.6	0.0	42	0.00
SR	AMNSIL	790	0	17.7	4.4	-0.3	268	0.00
	Andhra Pradesh	9686	0	195.4	60.4	0.6	639	0.00
	Telangana	10614	0	228.2	98.4	-0.3	548	0.00
	Karnataka	10925	0	196.3	50.8	1.9	891	0.00
	Kerala	3051	0	66.6	40.7	0.0	270	0.00
	Tamil Nadu	14288	0	329.6	138.0	-1.4	509	0.00
	Puducherry	398	0	8.6	8.6	0.0	49	0.00
	ER	Bihar	6043	0	102.8	95.4	-0.2	450
DVC		3201	0	67.2	-40.7	-0.3	327	0.00
Jharkhand		1467	0	27.9	24.3	-2.8	150	0.00
Odisha		4701	0	98.0	40.2	-0.7	598	0.00
West Bengal		8264	0	164.4	39.1	-0.3	402	0.00
Sikkim		83	0	1.3	1.4	-0.2	18	0.00
NER	Arunachal Pradesh	136	1	2.2	2.2	-0.2	52	0.01
	Assam	1895	0	36.0	30.6	0.2	126	0.00
	Manipur	196	1	2.7	2.7	0.0	13	0.01
	Meghalaya	292	0	6.0	2.1	0.4	122	0.00
	Mizoram	106	1	1.6	1.6	-0.1	47	0.01
	Nagaland	143	1	2.6	2.7	-0.1	12	0.01
	Tripura	309	0	4.9	4.2	0.1	47	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	41.1	-6.1	-24.7
Day Peak (MW)	1983.0	-463.2	-1057.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	303.1	-250.6	41.1	-95.8	2.2	0.0
Actual(MU)	268.9	-241.3	57.2	-91.9	1.6	-5.5
O/D/U/D(MU)	-34.2	9.3	16.1	3.8	-0.6	-5.5

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	3923	20008	8282	1157	1008	34378	46
State Sector	7620	18936	10015	3573	53	40197	54
Total	11543	38943	18297	4730	1062	74575	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	628	1075	476	458	11	2648	64
Lignite	25	7	47	0	0	80	2
Hydro	321	52	97	126	24	620	15
Nuclear	31	32	43	0	0	106	3
Gas, Naptha & Diesel	23	33	13	0	24	93	2
RES (Wind, Solar, Biomass & Others)	102	183	303	5	0	593	14
Total	1130	1383	978	589	59	4140	100

Share of RES in total generation (%)	9.01	13.25	30.94	0.85	0.37	14.33
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	40.16	19.34	45.20	22.24	41.06	31.86

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.058
Based on State Max Demands	1.095

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-Jun-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	852	0.0	20.8	-20.8	
2	HVDC	PUSAULI B/B	-	0	249	0.0	6.4	-6.4	
3	765 kV	GAYA-VARANASI	2	0	719	0.0	10.7	-10.7	
4	765 kV	SASARAM-FATEHPUR	1	0	213	0.0	1.1	-1.1	
5	765 kV	GAYA-BALIA	1	0	510	0.0	7.3	-7.3	
6	400 kV	PUSAULI-VARANASI	1	0	211	0.0	4.5	-4.5	
7	400 kV	PUSAULI-ALLAHABAD	1	0	113	0.0	1.7	-1.7	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	690	0.0	12.4	-12.4	
9	400 kV	PATNA-BALIA	4	0	922	0.0	14.1	-14.1	
10	400 kV	BIHARSHARIF-BALIA	2	0	381	0.0	6.8	-6.8	
11	400 kV	MOTIHARI-GORAKHPUR	2	0	386	0.0	6.5	-6.5	
12	400 kV	BIHARSHARIF-VARANASI	2	0	294	0.0	3.2	-3.2	
13	220 kV	PUSAULI-SAHUPURI	1	21	92	0.0	1.1	-1.1	
14	132 kV	SONE NAGAR-RIHAND	1	0	0	0.0	0.0	0.0	
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	96.4	-95.9
Import/Export of ER (With WR)									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	1162	0	22.1	0.0	22.1	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1121	233	15.9	0.0	15.9	
3	765 kV	JHARSUGUDA-DURG	2	214	32	2.4	0.0	2.4	
4	400 kV	JHARSUGUDA-RAIGARH	4	241	154	2.0	0.0	2.0	
5	400 kV	RANCHI-SIPAT	2	310	66	4.8	0.0	4.8	
6	220 kV	BUDHIPADAR-RAIGARH	1	0	96	0.0	1.1	-1.1	
7	220 kV	BUDHIPADAR-KORBA	2	184	0	2.4	0.0	2.4	
						ER-WR	49.6	1.1	48.5
Import/Export of ER (With SR)									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	447	0.0	9.9	-9.9	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1780	0.0	29.2	-29.2	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2428	0.0	36.9	-36.9	
4	400 kV	TALCHER-IC	2	923	163	9.7	0.0	9.7	
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0	
						ER-SR	0.0	76.1	-76.1
Import/Export of ER (With NER)									
1	400 kV	BINAGURI-BONGAIGAON	2	0	394	0.0	4.8	-4.8	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	0	486	0.0	5.3	-5.3	
3	220 kV	ALIPURDUAR-SALAKATI	2	0	139	0.0	2.0	-2.0	
						ER-NER	0.0	12.2	-12.2
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	2504	0.0	27.2	-27.2	
2	HVDC	VINDHYACHAL B/B	-	244	102	4.5	0.5	4.0	
3	HVDC	MUNDRU-MOHINDERGARH	2	0	1544	0.0	30.0	-30.0	
4	765 kV	GWALIOR-AGRA	2	0	2711	0.0	45.2	-45.2	
5	765 kV	PHAGI-GWALIOR	2	0	1860	0.0	32.0	-32.0	
6	765 kV	JABALPUR-ORAI	2	0	1283	0.0	30.3	-30.3	
7	765 kV	GWALIOR-ORAI	1	604	0	9.4	0.0	9.4	
8	765 kV	SATNA-ORAI	1	0	1596	0.0	30.4	-30.4	
9	765 kV	CHITORGARH-BANASKANTHA	2	546	856	0.0	7.9	-7.9	
10	400 kV	ZERDA-KANKROLI	1	197	129	0.5	0.0	0.5	
11	400 kV	ZERDA-BHINMAL	1	407	192	3.1	0.0	3.1	
12	400 kV	VINDHYACHAL -RIHAND	1	962	0	22.3	0.0	22.3	
13	400 kV	RAPP-SHUJALPUR	2	0	597	0.0	6.7	-6.7	
14	220 kV	BHANPURA-RANPUR	1	0	93	0.0	1.2	-1.2	
15	220 kV	BHANPURA-MORAK	1	0	30	0.0	0.7	-0.7	
16	220 kV	MEHGAON-AURAIYA	1	115	0	0.4	0.1	0.3	
17	220 kV	MALANPUR-AURAIYA	1	80	21	1.0	0.0	1.0	
18	132 kV	GWALIOR-SAWAI MADHOPUR	1	0	0	0.0	0.0	0.0	
19	132 kV	RAJGHAT-LALITPUR	2	0	0	0.0	0.0	0.0	
						WR-NR	41.2	212.2	-170.9
Import/Export of WR (With SR)									
1	HVDC	BHADRAWATI B/B	-	300	312	4.3	3.3	1.0	
2	HVDC	RAIGARH-PUGALUR	2	0	2009	0.0	16.1	-16.1	
3	765 kV	SOLAPUR-RAICHUR	2	1343	1268	5.9	0.0	5.9	
4	765 kV	WARDHA-NIZAMABAD	2	0	2537	0.0	32.8	-32.8	
5	400 kV	KOLHAPUR-KUDGI	2	1262	0	20.7	0.0	20.7	
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	0	67	1.3	0.0	1.3	
						WR-SR	32.1	52.3	-20.2
INTERNATIONAL EXCHANGES									
State	Region	Line Name	Max (MW)	Min (MW)	Avg (MW)	Import(+ve)/Export(-ve) (Energy Exchange (MU))			
BHUTAN	ER	400kV MANGDECHHU-ALIPURDUAR 1,2&3 i.e. ALIPURDUAR RECEIPT (from MANGDECHHU HEP 4*180MW)	638	0	597	14.3			
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE -BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW))	965	742	788	18.9			
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	275	256	265	6.4			
	NER	132kV GELEPHU-SALAKATI	-42	-17	24	0.6			
	NER	132kV MOTANGA-RANGIA	-63	0	41	1.0			
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-70	0	-40	-1.0			
	ER	NEPAL IMPORT (FROM BIHAR)	-134	-1	-24	-0.6			
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-259	-15	-192	-4.6			
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-915	-906	-910	-21.8			
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-142	0	-118	-2.8			