



**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: 28<sup>th</sup> 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 27.06.2021.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 27-जून-2021 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रांभांप्रेके 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 27<sup>th</sup> 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: 28-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)	60162	45402	36644	21349	2873	166430
Peak Shortage (MW)	370	0	0	0	10	380
Energy Met (MU)	1406	1092	911	464	54	3926
Hydro Gen (MU)	324	47	93	130	24	617
Wind Gen (MU)	12	100	120	-	-	231
Solar Gen (MU)*	49.53	31.90	55.51	5.08	0.25	142
Energy Shortage (MU)	4.53	0.00	0.00	0.00	0.04	4.57
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	66724	46114	40954	22276	3065	173280
Time Of Maximum Demand Met (From NLDC SCADA)	22:25	07:21	11:04	22:21	19:42	22:28

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	0.028	0.00	0.49	6.46	6.94	86.60	6.46

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	12379	0	285.7	169.8	-0.3	369	0.00
	Haryana	10454	0	218.9	156.9	0.7	333	0.00
	Rajasthan	10756	0	240.6	76.9	1.0	616	0.00
	Delhi	6069	0	114.3	101.1	-0.6	194	0.01
	UP	21939	180	425.8	177.3	1.4	472	1.07
	Uttarakhand	1940	0	41.4	16.5	0.9	152	0.00
	HP	1264	0	28.4	-0.3	1.0	203	0.00
	J&K(UT) & Ladakh(UT)	2302	250	44.8	19.7	0.4	190	3.45
WR	Chandigarh	296	0	5.6	5.5	0.1	35	0.00
	Chhattisgarh	3639	0	84.8	39.4	-0.4	255	0.00
	Gujarat	15357	0	338.3	129.6	-0.4	630	0.00
	MP	8616	0	191.7	106.5	-0.5	354	0.00
	Maharashtra	19140	0	421.7	134.1	1.6	485	0.00
	Goa	504	0	10.4	9.7	0.3	51	0.00
	DD	294	0	6.6	6.4	0.2	24	0.00
	DNH	781	0	18.3	18.2	0.1	45	0.00
SR	AMNSIL	880	0	19.7	6.2	-0.2	299	0.00
	Andhra Pradesh	8432	0	177.2	66.3	-0.1	532	0.00
	Telangana	9294	0	197.7	81.6	-1.1	693	0.00
	Karnataka	8500	0	164.9	51.5	0.3	979	0.00
	Kerala	3114	0	62.1	34.3	-0.3	190	0.00
	Tamil Nadu	12955	0	301.2	134.7	2.9	790	0.00
ER	Puducherry	361	0	7.6	7.7	-0.2	24	0.00
	Bihar	6022	0	109.7	99.2	1.9	688	0.00
	DVC	3087	0	67.0	-43.9	-0.7	257	0.00
	Jharkhand	1480	0	28.3	24.3	-2.5	149	0.00
	Odisha	4855	0	101.0	43.4	-0.7	315	0.00
	West Bengal	8091	0	157.4	31.7	-0.6	345	0.00
NER	Sikkim	73	0	1.1	1.3	-0.2	15	0.00
	Arunachal Pradesh	137	1	2.1	1.9	0.1	64	0.01
	Assam	1857	0	33.8	29.1	0.2	122	0.00
	Manipur	192	1	2.7	2.6	0.0	11	0.01
	Meghalaya	284	0	5.7	2.1	-0.1	40	0.00
	Mizoram	99	1	1.6	1.6	-0.1	34	0.01
	Nagaland	133	1	2.6	2.7	-0.1	11	0.01
Tripura	307	7	5.1	4.5	0.2	58	0.00	

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	43.5	-6.7	-25.0
Day Peak (MW)	1634.0	-481.6	-1066.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	306.7	-233.4	42.0	-115.7	0.4	0.0
Actual(MU)	286.1	-221.7	47.3	-115.4	0.0	-3.7
O/D/U/D(MU)	-20.6	11.7	5.3	0.4	-0.5	-3.7

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	3923	19708	8282	907	873	33693	46
State Sector	7140	19561	9805	3763	11	40280	54
Total	11063	39268	18087	4670	885	73973	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	629	1083	473	489	11	2685	67
Lignite	30	7	50	0	0	87	2
Hydro	324	47	93	130	24	617	15
Nuclear	31	32	44	0	0	107	3
Gas, Naptha & Diesel	23	37	13	0	24	97	2
RES (Wind, Solar, Biomass & Others)	77	132	201	5	0	415	10
Total	1114	1338	875	624	59	4009	100

Share of RES in total generation (%)	6.96	9.85	22.95	0.82	0.42	10.36
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	38.78	15.75	38.67	21.60	41.25	28.43

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.034
Based on State Max Demands	1.073

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: 28-Jun-2021

Sl No	Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)	
<b>Import/Export of ER (With NR)</b>									
1	HVDC	ALIPURDUAR-AGRA	2	0	851	0.0	20.5	-20.5	
2	HVDC	PUSAULI B/B	-	0	249	0.0	5.7	-5.7	
3	765 kV	GAYA-VARANASI	2	0	707	0.0	11.9	-11.9	
4	765 kV	SASARAM-FATEHPUR	1	0	231	0.0	2.3	-2.3	
5	765 kV	GAYA-BALIA	1	0	513	0.0	8.2	-8.2	
6	400 kV	PUSAULI-VARANASI	1	0	210	0.0	4.2	-4.2	
7	400 kV	PUSAULI-ALLAHABAD	1	0	107	0.0	1.7	-1.7	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	693	0.0	12.9	-12.9	
9	400 kV	PATNA-BALIA	4	0	947	0.0	15.7	-15.7	
10	400 kV	BIHARSHARIF-BALIA	2	0	389	0.0	6.7	-6.7	
11	400 kV	MOTIHARI-GORAKHPUR	2	0	383	0.0	6.6	-6.6	
12	400 kV	BIHARSHARIF-VARANASI	2	0	277	0.0	4.5	-4.5	
13	220 kV	PUSAULI-SAHUPURI	1	26	100	0.0	0.9	-0.9	
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	101.8	-101.3
<b>Import/Export of ER (With WR)</b>									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	959	0	12.3	0.0	12.3	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1073	201	13.7	0.0	13.7	
3	765 kV	JHARSUGUDA-DURG	2	164	144	0.9	0.0	0.9	
4	400 kV	JHARSUGUDA-RAIGARH	4	224	107	1.9	0.0	1.9	
5	400 kV	RANCHI-SIPAT	2	299	67	4.6	0.0	4.6	
6	220 kV	BUDHIPADAR-RAIGARH	1	3	101	0.0	1.2	-1.2	
7	220 kV	BUDHIPADAR-KORBA	2	139	0	2.4	0.0	2.4	
						ER-WR	35.7	1.2	34.5
<b>Import/Export of ER (With SR)</b>									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	448	0.0	9.9	-9.9	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1633	0.0	36.0	-36.0	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2022	0.0	36.8	-36.8	
4	400 kV	TALCHER-I/C	2	557	10	6.0	0.0	6.0	
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0	
						ER-SR	0.0	82.7	-82.7
<b>Import/Export of ER (With NER)</b>									
1	400 kV	BINAGURI-BONGAIGAON	2	0	408	0.0	4.7	-4.7	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	0	489	0.0	5.2	-5.2	
3	220 kV	ALIPURDUAR-SALAKATI	2	0	133	0.0	2.0	-2.0	
						ER-NER	0.0	11.8	-11.8
<b>Import/Export of NER (With NR)</b>									
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	604	0.0	13.2	-13.2	
						NER-NR	0.0	13.2	-13.2
<b>Import/Export of WR (With NR)</b>									
1	HVDC	CHAMPA-KURUKSHETRA	2	0	2505	0.0	46.5	-46.5	
2	HVDC	VINDHYACHAL B/B	-	244	0	6.1	0.0	6.1	
3	HVDC	MUNDRA-MOHINDERGARH	2	0	1639	0.0	31.3	-31.3	
4	765 kV	GWALIOR-AGRA	2	0	2645	0.0	42.9	-42.9	
5	765 kV	PHAGI-GWALIOR	2	0	1832	0.0	35.5	-35.5	
6	765 kV	JABALPUR-ORAI	2	585	1103	0.0	31.1	-31.1	
7	765 kV	GWALIOR-ORAI	1	692	0	10.8	0.0	10.8	
8	765 kV	SATNA-ORAI	1	0	1455	0.0	30.7	-30.7	
9	765 kV	CHITORGARH-BANASKANTHA	2	1040	691	1.8	0.0	1.8	
10	400 kV	ZERDA-KANKROLI	1	236	76	1.9	0.0	1.9	
11	400 kV	ZERDA-BHINMAL	1	276	117	3.4	0.0	3.4	
12	400 kV	VINDHYACHAL -RIHAND	1	977	0	22.5	0.0	22.5	
13	400 kV	RAPP-SHUJALPUR	2	0	551	0.0	7.5	-7.5	
14	220 kV	BHANPURA-RANPUR	1	0	70	0.0	1.1	-1.1	
15	220 kV	BHANPURA-MORAK	1	0	30	0.0	0.6	-0.6	
16	220 kV	MEHGAON-AURAIYA	1	115	0	0.5	0.0	0.5	
17	220 kV	MALANPUR-AURAIYA	1	80	10	1.2	0.0	1.2	
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	48.1	227.1	-179.0
<b>Import/Export of WR (With SR)</b>									
1	HVDC	BHADRAWATI B/B	-	300	0	7.3	0.0	7.3	
2	HVDC	RAIGARH-PUGALUR	2	735	303	0.6	3.1	-2.5	
3	765 kV	SOLAPUR-RAICHUR	2	1066	1057	1.1	0.0	1.1	
4	765 kV	WARDHA-NIZAMABAD	2	0	2080	0.0	31.9	-31.9	
5	400 kV	KOLHAPUR-KUDGI	2	1082	0	16.9	0.0	16.9	
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	68	1.3	0.0	1.3	
						WR-SR	27.1	35.0	-7.9
<b>INTERNATIONAL EXCHANGES</b>									
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)	628	0	591	14.2			
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	829	738	780	18.7			
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	270	261	270	8.9			
	NER	132kV GELEPHU-SALAKATI	30	20	23	0.6			
	NER	132kV MOTANGA-RANGIA	63	36	49	1.2			
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-76	0	-46	-1.1			
	ER	NEPAL IMPORT (FROM BIHAR)	-172	0	-53	-1.3			
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-234	-70	-182	-4.4			
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-920	-910	-913	-21.9			
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-146	0	-129	-3.1			