



**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: 17<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 16.06.2021.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 16-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 16<sup>th</sup> June 2021, is available at the NLDC website.

धन्यवाद,

पाँवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड  
राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली



Report for previous day

Date of Reporting: 17-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)	56221	46869	37784	20122	3000	163996
Peak Shortage (MW)	370	0	0	0	8	378
Energy Met (MU)	1251	1151	885	430	55	3773
Hydro Gen (MU)	341	62	81	123	24	631
Wind Gen (MU)	19	141	209	-	-	368
Solar Gen (MU)*	49.29	33.96	87.03	4.84	0.24	175
Energy Shortage (MU)	4.27	0.00	0.00	0.00	0.08	4.35
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	60748	49970	40872	20144	3215	166482
Time Of Maximum Demand Met (From NLDC SCADA)	22:09	15:00	09:33	21:11	19:19	21:42

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	0.00	3.16	3.16	77.78	19.06

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	11263	0	242.7	170.5	-4.6	147	0.00
	Haryana	8566	0	177.9	140.3	-2.0	132	0.00
	Rajasthan	11021	0	229.1	93.4	2.0	705	0.00
	Delhi	5237	0	107.7	94.3	-1.4	204	0.00
	UP	20376	0	373.7	161.8	1.0	600	0.82
	Uttarakhand	1921	0	42.3	15.5	1.9	252	0.00
	HP	1391	0	27.4	-2.4	-0.7	204	0.00
	J&K(UT) & Ladakh(UT)	2153	250	44.8	20.5	-0.4	237	3.45
WR	Chandigarh	233	0	5.1	5.6	-0.5	30	0.00
	Chhattisgarh	3368	0	78.9	26.1	0.3	436	0.00
	Gujarat	17784	0	375.0	153.4	3.2	755	0.00
	MP	8811	0	194.5	96.7	-0.3	951	0.00
	Maharashtra	20419	0	448.6	156.9	3.5	742	0.00
	Goa	469	0	10.2	8.4	1.2	78	0.00
	DD	318	0	7.1	6.9	0.2	24	0.00
	DNH	787	0	18.3	18.2	0.1	47	0.00
SR	AMNSIL	856	0	18.6	1.9	0.4	325	0.00
	Andhra Pradesh	8775	0	185.7	59.8	1.0	736	0.00
	Telangana	6905	0	144.8	60.9	-0.9	625	0.00
	Karnataka	8091	0	159.2	53.2	-1.5	504	0.00
	Kerala	3053	0	63.7	33.3	-0.1	287	0.00
	Tamil Nadu	14481	0	323.9	137.6	-2.4	435	0.00
	Puducherry	396	0	8.3	8.4	-0.1	53	0.00
	Bihar	5424	0	103.0	95.7	1.0	353	0.00
ER	DVC	3049	0	66.0	-35.6	-0.2	223	0.00
	Jharkhand	1379	0	25.0	21.6	-1.7	208	0.00
	Odisha	4339	0	90.6	25.0	1.7	221	0.00
	West Bengal	7048	0	144.0	38.1	-0.3	482	0.00
	Sikkim	81	0	1.3	1.4	-0.1	28	0.00
	NER	Arumachal Pradesh	141	0	2.1	2.0	0.0	64
Assam		1970	5	35.8	30.6	0.6	159	0.00
Manipur		194	2	2.6	2.6	0.0	31	0.01
Meghalaya		311	0	5.5	1.4	0.0	90	0.00
Mizoram		106	1	1.7	1.6	0.1	22	0.01
Nagaland		143	1	2.7	2.7	0.0	18	0.01
Tripura		273	0	4.7	3.8	-0.1	41	0.04

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	46.6	-8.2	-24.8
Day Peak (MW)	1945.0	-537.8	-1055.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	329.1	-205.5	19.2	-143.4	0.6	0.0
Actual(MU)	300.4	-198.1	23.5	-137.2	3.3	-8.2
OD/UD(MU)	-28.8	7.4	4.3	6.2	2.8	-8.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	7096	18998	8872	210	738	35914	43
State Sector	11378	18505	13848	4217	11	47959	57
Total	18474	37503	22720	4427	750	83873	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	454	1052	350	479	10	2344	61
Lignite	27	9	52	0	0	88	2
Hydro	341	62	81	123	24	631	16
Nuclear	30	32	60	0	0	123	3
Gas, Naptha & Diesel	23	33	13	0	23	92	2
RES (Wind, Solar, Biomass & Others)	88	175	320	5	0	587	15
Total	962	1364	875	607	57	3865	100

Share of RES in total generation (%)	9.09	12.83	36.54	0.80	0.42	15.19
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	47.66	19.74	52.70	21.12	42.00	34.70

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.051
Based on State Max Demands	1.088

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: 17-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	801	0.0	19.6	-19.6	
2	HVDC	PUSAULI B/B	-	0	248	0.0	6.2	-6.2	
3	765 kV	GAYA-VARANASI	2	0	1009	0.0	13.4	-13.4	
4	765 kV	SASARAM-FATEHPUR	1	0	294	0.0	3.1	-3.1	
5	765 kV	GAYA-BALIA	1	0	628	0.0	8.8	-8.8	
6	400 kV	PUSAULI-VARANASI	1	0	202	0.0	4.1	-4.1	
7	400 kV	PUSAULI -ALLAHABAD	1	0	114	0.0	1.8	-1.8	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	758	0.0	11.8	-11.8	
9	400 kV	PATNA-BALIA	4	0	1255	0.0	18.9	-18.9	
10	400 kV	BIHARSHARIFF-BALIA	2	0	431	0.0	6.4	-6.4	
11	400 kV	MOTIHARI-GORAKHPUR	2	0	466	0.0	6.6	-6.6	
12	400 kV	BIHARSHARIFF-VARANASI	2	0	411	0.0	4.2	-4.2	
13	220 kV	PUSAULI-SAHUPURI	1	0	127	0.0	1.3	-1.3	
14	132 kV	SONE NAGAR-RIHAND	1	0	0	0.0	0.0	0.0	
15	132 kV	GARWAH-RIHAND	1	20	0	0.3	0.0	0.3	
16	132 kV	KARMANASA-SAHUPURI	1	0	0	0.0	0.0	0.0	
17	132 kV	KARMANASA-CHANDAUJI	1	0	0	0.0	0.0	0.0	
						ER-NR	0.3	106.2	-105.9
<b>Import/Export of ER (With WR)</b>									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	722	424	5.3	0.0	5.3	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1050	114	15.0	0.0	15.0	
3	765 kV	JHARSUGUDA-DURG	2	143	207	0.0	0.3	-0.3	
4	400 kV	JHARSUGUDA-RAIGARH	4	290	245	1.2	0.0	1.2	
5	400 kV	RANCHI-SIPAT	2	381	36	5.4	0.0	5.4	
6	220 kV	BUDHIPADAR-RAIGARH	1	0	113	0.0	1.6	-1.6	
7	220 kV	BUDHIPADAR-KORBA	2	141	0	1.7	0.0	1.7	
						ER-WR	28.5	1.9	26.6
<b>Import/Export of ER (With SR)</b>									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	133	0.0	2.6	-2.6	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1637	0.0	39.6	-39.6	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2522	0.0	45.7	-45.7	
4	400 kV	TALCHER-I/C	2	189	667	0.0	0.0	0.0	
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0	
						ER-SR	0.0	87.9	-87.9
<b>Import/Export of ER (With NER)</b>									
1	400 kV	BINAGURI-BONGAIGAON	2	0	396	0.0	5.2	-5.2	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	0	493	0.0	6.2	-6.2	
3	220 kV	ALIPURDUAR-SALAKATI	2	0	139	0.0	2.2	-2.2	
						ER-NER	0.0	13.6	-13.6
<b>Import/Export of NER (With NR)</b>									
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	502	0.0	12.2	-12.2	
						NER-NR	0.0	12.2	-12.2
<b>Import/Export of WR (With NR)</b>									
1	HVDC	CHAMPA-KURUKSHETRA	2	0	3529	0.0	58.7	-58.7	
2	HVDC	VINDHYACHAL B/B	-	0	0	0.0	0.0	0.0	
3	HVDC	MUNDA-MOHENDERGARH	2	0	1212	0.0	32.4	-32.4	
4	765 kV	GWALIOR-AGRA	2	0	2662	0.0	46.0	-46.0	
5	765 kV	PHAGI-GWALIOR	2	0	2122	0.0	39.1	-39.1	
6	765 kV	JABALPUR-ORAI	2	950	1064	0.0	36.4	-36.4	
7	765 kV	GWALIOR-ORAI	1	661	0	12.0	0.0	12.0	
8	765 kV	SATNA-ORAI	1	0	1583	0.0	32.8	-32.8	
9	765 kV	CHITORGARH-BANASKANTHA	2	1451	82	14.2	0.0	14.2	
10	400 kV	ZERDA-KANKROLI	1	352	0	4.4	0.0	4.4	
11	400 kV	ZERDA -BHINMAL	1	732	0	8.5	0.0	8.5	
12	400 kV	VINDHYACHAL -RIHAND	1	964	0	22.4	0.0	22.4	
13	400 kV	RAMP-SHILAPUR	1	0	604	0.0	8.2	-8.2	
14	220 kV	BHANPURA-RANPUR	1	0	92	0.0	1.7	-1.7	
15	220 kV	BHANPURA-MORAK	1	0	30	0.0	1.2	-1.2	
16	220 kV	MEHGAON-AURAIYA	1	76	20	0.2	0.3	-0.2	
17	220 kV	MALANPUR-AURAIYA	1	53	38	0.9	0.0	0.9	
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	62.4	256.8	-194.4
<b>Import/Export of WR (With SR)</b>									
1	HVDC	BHADRAWATI B/B	-	693	0	2.4	0.0	2.4	
2	HVDC	RAIGARH-PUGAUR	2	572	301	5.4	0.0	5.4	
3	765 kV	SOLAPUR-RAICHUR	2	2488	653	14.0	0.0	14.0	
4	765 kV	WARDHA-NIZAMABAD	2	80	1891	0.0	23.2	-23.1	
5	400 kV	KOLHAPUR-KUDGI	2	1360	0	17.4	0.0	17.4	
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	1	75	0.5	0.0	0.5	
						WR-SR	46.7	23.2	23.5
<b>INTERNATIONAL EXCHANGES</b>									
						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)	669	0	587	14.1			
	ER	400KV TALA-BINAGURI 1,2,4 (& 400KV MALBASE - BINAGURI) I.e. BINAGURI RECEIPT (from TALA HEP 6*170MW)	1024	1006	1017	24.4			
	ER	220KV CHUKHA-BIRPARA 1&2 (& 220KV MALBASE - BIRPARA) I.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	294	0	242	5.8			
	NER	132KV-GEYLEGPHU - SALAKATI	-66	-27	-44	-1.1			
NEPAL	NER	132KV Motanga-Rangia	-66	-18	-50	-1.2			
	ER	132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG)	-73	0	-52	-1.2			
	ER	400KV-MUZAFFARPUR - DHALKEBAR DC	-201	-52	-127	-3.1			
BANGLADESH	ER	132KV-BHAR - NEPAL	-264	-143	-165	-4.0			
	ER	BHERAMARA HVDC(BANGLADESH)	-929	-916	-921	-22.1			
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	-63	0	-55	-1.3			
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	-63	0	-55	-1.3			