



**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: 29<sup>th</sup> May 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 28.05.2021.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 28-मई -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 28<sup>th</sup> May 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: 29-May-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)	48328	47991	37181	18528	2877	154905
Peak Shortage (MW)	480	0	0	0	4	484
Energy Met (MU)	1130	1193	891	366	53	3632
Hydro Gen (MU)	227	59	92	125	26	528
Wind Gen (MU)	41	130	182	-	-	353
Solar Gen (MU)*	49.80	34.21	109.76	4.64	0.20	199
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)	52669	52967	41426	18810	3025	160688
Time Of Maximum Demand Met (From NLDC SCADA)	22:38	15:03	12:01	21:20	19:53	22:46

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	0.072	0.53	3.14	11.72	15.39	70.34	14.27

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	7794	0	176.3	112.2	0.2	559	0.00
	Haryana	8222	0	163.7	148.0	1.4	223	0.00
	Rajasthan	11135	0	238.4	68.2	-1.1	247	0.00
	Delhi	4824	0	88.7	78.0	-1.2	140	0.00
	UP	17672	0	337.0	146.5	-2.9	547	0.00
	Uttarakhand	1798	0	40.0	21.4	0.0	151	0.00
	HP	1428	0	28.8	6.6	-0.6	153	0.00
	J&K(UT) & Ladakh(UT)	2412	100	51.7	31.1	-1.4	124	3.45
WR	Chandigarh	282	0	5.6	5.3	0.3	33	0.00
	Chhattisgarh	3822	0	88.9	35.0	1.0	317	0.00
	Gujarat	16379	0	347.8	142.0	-0.4	735	0.00
	MP	9598	0	214.8	114.3	-1.6	583	0.00
	Maharashtra	21919	0	486.8	160.6	-0.6	738	0.00
	Goa	563	0	11.9	10.2	1.1	48	0.00
	DD	299	0	6.6	6.3	0.3	33	0.00
	DNH	719	0	16.4	16.1	0.3	58	0.00
SR	AMNSIL	903	0	19.7	2.4	0.1	291	0.00
	Andhra Pradesh	9903	0	196.4	78.1	3.7	1298	0.00
	Telangana	7443	0	157.7	63.7	0.3	625	0.00
	Karnataka	9785	0	194.0	71.3	2.9	1451	0.00
	Kerala	3259	0	65.3	34.9	-0.6	224	0.00
	Tamil Nadu	12384	0	270.2	110.9	-0.3	533	0.00
	Puducherry	339	0	7.4	7.5	-0.1	40	0.00
	ER	Bihar	3087	0	41.7	40.6	0.9	276
DVC		3054	0	62.0	-44.6	1.3	488	0.00
Jharkhand		1407	0	20.6	16.8	-0.9	229	0.00
Odisha		4869	0	104.5	38.9	1.0	220	0.00
West Bengal		7308	0	135.5	36.6	1.0	475	0.00
Sikkim		78	0	1.3	1.3	-0.1	44	0.00
NER	Arunachal Pradesh	109	1	2.1	2.0	-0.1	27	0.01
	Assam	1842	0	34.0	28.5	0.2	144	0.00
	Manipur	195	1	2.5	2.6	-0.1	26	0.01
	Meghalaya	305	0	5.1	3.9	-0.2	31	0.00
	Mizoram	108	1	1.4	1.7	-0.4	15	0.01
	Nagaland	139	1	2.3	2.6	-0.3	13	0.01
	Tripura	292	0	5.3	4.4	0.2	67	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	47.5	-2.9	-25.0
Day Peak (MW)	2180.0	-129.0	-1076.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	320.0	-214.8	49.4	-158.2	3.5	0.0
Actual(MU)	315.5	-205.1	48.9	-164.5	1.0	-4.2
O/D/U/D(MU)	-4.6	9.7	-0.5	-6.3	-2.5	-4.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	7882	19553	9872	2700	1022	41028	43
State Sector	14808	18765	14868	7005	11	55457	57
Total	22689	38318	24740	9705	1033	96485	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	431	1122	339	429	8	2329	62
Lignite	23	11	52	0	0	86	2
Hydro	227	59	92	125	26	528	14
Nuclear	30	25	56	0	0	110	3
Gas, Naptha & Diesel	24	34	13	0	24	94	3
RES (Wind, Solar, Biomass & Others)	111	165	301	5	0	582	16
Total	846	1414	852	559	58	3728	100

Share of RES in total generation (%)	13.14	11.65	35.32	0.83	0.35	15.60
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	43.43	17.52	52.67	23.18	45.03	32.70

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.051
Based on State Max Demands	1.093

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: 29-May-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	1007	0.0	22.4	-22.4	
2	HVDC	PUSAULI B/B	-	0	249	0.0	6.2	-6.2	
3	765 kV	GAYA-VARANASI	2	0	1246	0.0	17.3	-17.3	
4	765 kV	SASARAM-EATEHPUR	1	0	661	0.0	8.9	-8.9	
5	765 kV	GAYA-BALIA	1	0	534	0.0	7.9	-7.9	
6	400 kV	PUSAULI-VARANASI	1	0	191	0.0	3.6	-3.6	
7	400 kV	PUSAULI-ALLAHABAD	1	0	161	0.0	2.4	-2.4	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	1168	0.0	17.5	-17.5	
9	400 kV	PATNA-BALIA	4	0	1220	0.0	15.8	-15.8	
10	400 kV	BIHARSHARIFF-BALIA	2	0	657	0.0	11.2	-11.2	
11	400 kV	MOTIHARI-GORAKHPUR	2	0	614	0.0	8.1	-8.1	
12	400 kV	BIHARSHARIFF-VARANASI	2	0	556	0.0	8.1	-8.1	
13	220 kV	PUSAULI-SAHUPURI	1	96	14	0.0	1.0	-1.0	
14	132 kV	SONWA-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-CHANDAULI	1	0	0	0.0	0.0	0.0	
						ER-NR	0.3	130.4	-130.1
<b>Import/Export of ER (With WR)</b>									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	841	243	5.5	0.0	5.5	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	699	691	2.1	0.0	2.1	
3	765 kV	JHARSUGUDA-DURG	2	116	212	0.0	2.0	-2.0	
4	400 kV	JHARSUGUDA-RAIGARH	4	109	181	0.0	1.1	-1.1	
5	400 kV	RANCHI-SIPAT	2	215	186	1.0	0.0	1.0	
6	220 kV	BUDHIPADAR-RAIGARH	1	0	125	0.0	1.6	-1.6	
7	220 kV	BUDHIPADAR-KORBA	2	156	0	2.0	0.0	2.0	
						ER-WR	10.6	4.6	5.9
<b>Import/Export of ER (With SR)</b>									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	283	0.0	6.1	-6.1	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1627	0.0	24.3	-24.3	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2722	0.0	50.7	-50.7	
4	400 kV	TALCHER-I/C	2	887	0	18.7	0.0	18.7	
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0	
						ER-SR	0.0	81.0	-81.0
<b>Import/Export of ER (With NER)</b>									
1	400 kV	BINAGURI-BONGAIGAON	2	8	310	0.0	3.0	-3.0	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	160	304	0.0	1.6	-1.6	
3	220 kV	ALIPURDUAR-SALAKATI	2	0	120	0.0	1.7	-1.7	
						ER-NER	0.0	6.3	-6.3
<b>Import/Export of NER (With NR)</b>									
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	333	0.0	7.3	-7.3	
						NER-NR	0.0	7.3	-7.3
<b>Import/Export of WR (With NR)</b>									
1	HVDC	CHAMPA-KURUKSHETRA	2	0	3508	0.0	62.1	-62.1	
2	HVDC	VINDHYACHAL B/B	-	195	245	0.2	1.7	-1.5	
3	HVDC	MUNDA-MOHINDERGARH	2	0	1916	0.0	48.4	-48.4	
4	765 kV	GWALIOR-AGRA	2	0	2373	0.0	38.3	-38.3	
5	765 kV	PHAGI-GWALIOR	2	0	1859	0.0	34.1	-34.1	
6	765 kV	JABALPUR-ORAI	2	862	1132	0.0	37.5	-37.5	
7	765 kV	GWALIOR-ORAI	1	608	111	6.7	0.4	6.3	
8	765 kV	SATNA-ORAI	1	0	1509	0.0	17.3	-17.3	
9	765 kV	CHITORGARH-BANASKANTHA	2	1225	0	17.6	0.0	17.6	
10	400 kV	ZERDA-KANKROLI	1	315	0	5.4	0.0	5.4	
11	400 kV	ZERDA -BHINMAL	1	526	0	9.4	0.0	9.4	
12	400 kV	VINDHYACHAL -RIHAND	1	975	0	22.6	0.0	22.6	
13	400 kV	RAPP-SHUALPUR	2	0	487	0.0	5.7	-5.7	
14	220 kV	BHANPURA-RANPUR	1	0	148	0.0	2.5	-2.5	
15	220 kV	BHANPURA-MORAK	1	0	30	0.0	2.1	-2.1	
16	220 kV	MEHGAON-AURAIYA	1	112	0	0.5	0.0	0.5	
17	220 kV	MALANPUR-AURAIYA	1	76	11	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	63.5	250.0	-186.5
<b>Import/Export of WR (With SR)</b>									
1	HVDC	BHADRAWATI B/B	-	0	326	0.0	7.6	-7.6	
2	HVDC	RAIGARH-PUGALUR	2	0	501	0.0	4.3	-4.3	
3	765 kV	SOLAPUR-RAICHUR	2	1669	1116	12.1	3.6	8.5	
4	765 kV	WARDHA-NIZAMABAD	2	0	1817	0.0	24.7	-24.7	
5	400 kV	KOLHAPUR-KUDGI	2	1036	0	14.2	0.0	14.2	
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	NELDEM-AMBEWADI	1	0	70	1.4	0.0	1.4	
						WR-SR	27.7	40.2	-12.5
<b>INTERNATIONAL EXCHANGES</b>									
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)	587	582	587	14.2			
	ER	400KV TALA-BINAGURI 1,2,3 (& 400KV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	1157	0	1018	24.4			
	ER	220KV CHUKHA-BIRPARA 1&2 (& 220KV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	336	0	285	6.8			
	NER	132KV-GEYLEGPHU - SALAKATI	46	28	-32	-0.8			
	NER	132KV Motanga-Rangia	55	47	-53	-1.3			
NEPAL	NR	132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG)	-63	0	-38	-0.9			
	ER	400KV-MUZAFFARPUR - DHALKEBAR DC	73	0	2	0.1			
	ER	132KV-BIHAR - NEPAL	-7	36	-85	-2.0			
BANGLADESH	ER	BHERAMARA HVDC(BANGLADESH)	-918	-906	-912	-21.9			
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	-79	0	-66	-1.6			
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	-79	0	-66	-1.6			