National Load Despatch Centre
राष्ट्रीय भार प्रेषण केंद्र
POWER SYSTEM OPERATION CORPORATION LIMITED
पॉवर 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 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., डोंगतिएह, 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 26.05.2021.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 26-मई -2021 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रा०भा०प्रे०के० की वेबसाइट पर उप्लब्ध 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 May 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-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)	47991	47750	35488	15899	2711	149839
Peak Shortage (MW)	990	0	0	0	3	993
Energy Met (MU)	1103	1176	806	339	51	3475
Hydro Gen (MU)	194	40	60	82	15	391
Wind Gen (MU)	24	192	201	-	-	417
Solar Gen (MU)*	52.84	36.87	91.46	4.59	0.18	186
Energy Shortage (MU)	3.57	0.00	0.00	0.00	0.04	3.61
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	52856	49455	36244	17816	2928	156172
Time Of Maximum Demand Met (From NLDC SCADA)	22:36	23:32	22:17	00:01	19:12	22:40

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	0.033	0.00	0.00	5.98	5.98	78.57	15.45

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	7299	0	163.1	103.9	-0.4	183	0.00
	Haryana	7479	0	147.7	123.2	-0.2	179	0.00
	Rajasthan	11145	0	230.5	76.4	0.2	613	0.00
	Delhi	4004	0	70.4	63.1	-3.8	209	0.00
	UP	19392	0	372.9	162.1	-0.3	195	0.00
	Uttarakhand	1740	0	37.1	18.7	0.8	137	0.00
	HP	1366	0	27.4	9.0	0.6	122	0.12
	J&K(UT) & Ladakh(UT)	2553	250	49.2	32.4	-0.1	306	3.45
	Chandigarh	221	0	4.5	4.4	0.1	28	0.00
WR	Chhattisgarh	3608	0	83.3	32.4	-0.4	243	0.00
	Gujarat	15613	0	337.3	112.6	0.3	610	0.00
	MP	9679	0	213.2	115.5	-3.0	728	0.00
	Maharashtra	21362	0	486.5	172.1	-2.9	609	0.00
	Goa	566	0	12.1	10.3	1.5	30	0.00
	DD	294	0	6.5	6.4	0.1	24	0.00
	DNH	725	0	17.0	16.9	0.1	45	0.00
	AMNSIL	874	0	19.7	2.0	0.3	294	0.00
SR	Andhra Pradesh	8358	0	171.2	54.9	-0.7	1065	0.00
	Telangana	7092	0	155.2	55.8	-0.4	537	0.00
	Karnataka	8597	0	171.3	57.4	-3.3	615	0.00
	Kerala	2984	0	61.5	33.5	-0.2	203	0.00
	Tamil Nadu	11449	0	240.0	108.1	-2.4	467	0.00
	Puducherry	364	0	7.3	7.5	-0.3	58	0.00
ER	Bihar	5608	0	96.6	92.8	3.6	612	0.00
	DVC	2929	0	57.2	-36.3	-0.3	380	0.00
	Jharkhand	1340	0	16.4	14.5	-2.9	186	0.00
	Odisha	3230	0	65.5	5.0	0.5	309	0.00
	West Bengal	5518	0	101.5	11.7	-1.1	530	0.00
	Sikkim	100	0	1.5	1.5	-0.1	39	0.00
NER	Arunachal Pradesh	121	1	2.0	1.9	0.1	45	0.01
	Assam	1750	0	32.8	28.7	0.4	98	0.00
	Manipur	203	1	2.5	2.5	0.0	37	0.01
	Meghalaya	294	0	5.0	3.4	-0.1	19	0.00
	Mizoram	104	1	1.6	1.7	-0.2	12	0.01
	Nagaland	143	1	2.4	2.5	-0.1	18	0.01
	Tripura	275	0	4.5	3.7	0.2	60	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	20.6	-7.9	-18.7
Day Peak (MW)	1138.0	-536.0	-1051.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	321.8	-209.0	32.0	-155.4	10.6	0.0
Actual(MU)	321.7	-212.6	19.4	-143.4	11.9	-2.9
O/D/U/D(MU)	-0.1	-3.5	-12.6	12.0	1.3	-2.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	8082	19513	10872	1740	1022	41228	43
State Sector	14808	20077	13648	6615	11	55159	57
Total	22889	39590	24520	8355	1033	96387	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	439	1063	329	435	7	2273	64
Lignite	24	11	50	0	0	85	2
Hydro	194	40	60	82	15	391	11
Nuclear	30	33	43	0	0	106	3
Gas, Naptha & Diesel	23	30	13	0	22	87	2
RES (Wind, Solar, Biomass & Others)	96	229	305	5	0	634	18
Total	806	1406	800	522	44	3577	100

Share of RES in total generation (%)	11.87	16.27	38.16	0.88	0.41	17.73
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	39.66	21.47	51.03	16.57	34.79	31.62

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.020
Based on State Max Demands	1.078

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-May-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	0	0.0	0.0	0.0
2	HVDC	PUSAULI B/B	-	0	249	0.0	5.9	-5.9
3	765 kV	GAYA-VARANASI	2	0	1107	0.0	17.5	-17.5
4	765 kV	SASARAM-FATEHPUR	1	0	418	0.0	5.1	-5.1
5	765 kV	GAYA-BALIA	1	0	644	0.0	11.6	-11.6
6	400 kV	PUSAULI-VARANASI	1	0	204	0.0	4.1	-4.1
7	400 kV	PUSAULI -ALLAHABAD	1	0	121	0.0	1.8	-1.8
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	935	0.0	14.7	-14.7
9	400 kV	PATNA-BALIA	4	0	1171	0.0	18.7	-18.7
10	400 kV	BIHARSHARIFF-BALIA	2	0	454	0.0	7.4	-7.4
11	400 kV	MOTIHARI-GORAKHPUR	2	0	556	0.0	8.2	-8.2
12	400 kV	BIHARSHARIFF-VARANASI	2	0	474	0.0	6.8	-6.8
13	220 kV	PUSAULI-SAHUPURI	1	140	0	0.0	1.9	-1.9
14	132 kV	SONE NAGAR-RIHAND	1	0	0	0.0	0.0	0.0
15	132 kV	GARWAH-RIHAND	1	20	0	0.2	0.0	0.2
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	0.2	103.7	-103.5
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	133	636	0.0	7.8	-7.8
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	863	328	7.4	0.0	7.4
3	765 kV	JHARSUGUDA-DURG	2	49	318	0.0	2.7	-2.7
4	400 kV	JHARSUGUDA-RAIGARH	4	61	321	0.0	3.1	-3.1
5	400 kV	RANCHI-SIPAT	2	252	117	2.2	0.0	2.2
6	220 kV	BUDHIPADAR-RAIGARH	1	0	153	0.0	2.1	-2.1
7	220 kV	BUDHIPADAR-KORBA	2	86	27	0.9	0.0	0.9
					ER-WR	10.4	15.7	-5.2
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	283	0.0	6.1	-6.1
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1622	0.0	27.0	-27.0
3	765 kV	ANGUL-SRIKAKULAM	2	0	2615	0.0	44.2	-44.2
4	400 kV	TALCHER-I/C	2	1105	302	14.5	0.0	14.5
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
					ER-SR	0.0	77.3	-77.3
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	203	184	0.7	0.9	-0.2
2	400 kV	ALIPURDUAR-BONGAIGAON	2	209	332	0.0	2.5	-2.5
3	220 kV	ALIPURDUAR-SALAKATI	2	25	73	0.0	0.7	-0.7
					ER-NER	0.7	4.1	-3.4
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	286	0	6.9	0.0	6.9
					NER-NR	6.9	0.0	6.9
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	3527	0.0	62.8	-62.8
2	HVDC	VINDHYACHAL B/B	-	202	0	3.3	0.0	3.3
3	HVDC	MUNDRA-MOHINDERGARH	2	0	1921	0.0	40.3	-40.3
4	765 kV	GWALIOR-AGRA	2	0	2949	0.0	55.1	-55.1
5	765 kV	PHAGI-GWALIOR	2	0	1593	0.0	32.5	-32.5
6	765 kV	JABALPUR-ORAI	2	885	1102	0.0	40.8	-40.8
7	765 kV	GWALIOR-ORAI	1	632	0	12.1	0.0	12.1
8	765 kV	SATNA-ORAI	1	0	1558	0.0	33.0	-33.0
9	765 kV	CHITORGARH-BANASKANTHA	2	465	348	0.8	0.0	0.8
10	400 kV	ZERDA-KANKROLI	1	171	0	2.0	0.0	2.0
11	400 kV	ZERDA -BHINMAL	1	306	0	3.5	0.0	3.5
12	400 kV	VINDHYACHAL -RIHAND	1	973	0	22.6	0.0	22.6
13	400 kV	RAPP-SHUJALPUR	2	0	518	0.0	7.8	-7.8
14	220 kV	BHANPURA-RANPUR	1	0	159	0.0	2.8	-2.8
15	220 kV	BHANPURA-MORAK	1	0	30	0.0	2.6	-2.6
16	220 kV	MEHGAON-AURAIYA	1	67	16	0.1	0.4	-0.2
17	220 kV	MALANPUR-AURAIYA	1	34	36	0.4	0.0	0.4
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	44.8	278.0	-233.2
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	0	326	0.0	7.6	-7.6
2	HVDC	RAIGARH-PUGALUR	2	283	303	4.4	0.0	4.4
3	765 kV	SOLAPUR-RAICHUR	2	1631	543	15.8	0.0	15.8
4	765 kV	WARDHA-NIZAMABAD	2	136	1615	0.0	15.3	-15.3
5	400 kV	KOLHAPUR-KUDGI	2	1107	0	16.8	0.0	16.8
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	72	1.4	0.0	1.4
					WR-SR	38.3	22.9	15.4

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 MANGDECHU HEP 4*180MW)	562	307	354	8.5
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	466	274	323	7.8
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	201	118	125	3.0
	NER	132KV-GEYLEGPHU - SALAKATI	-39	-15	-21	-0.5
	NER	132kV Motanga-Rangia	-52	-28	-37	-0.9
NEPAL	NR	132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG)	-76	0	-65	-1.6
	ER	400KV-MUZAFFARPUR - DHALKEBAR DC	-196	-5	-76	-1.8
	ER	132KV-BIHAR - NEPAL	-264	-84	-186	-4.5
BANGLADESH	ER	BHERAMARA HVDC(BANGLADESH)	-912	-524	-658	-15.8
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	-71	0	-60	-1.4
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	-68	0	-60	-1.4