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: 28th 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 27.05.2021.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 27-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 27th 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:** **28-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)	48080	46823	35616	14330	2828	147677
Peak Shortage (MW)	200	0	0	0	4	204
Energy Met (MU)	1128	1177	841	310	50	3506
Hydro Gen (MU)	202	40	71	113	22	449
Wind Gen (MU)	26	171	219	-	-	416
Solar Gen (MU)*	50.87	35.99	96.26	4.61	0.15	188
Energy Shortage (MU)	3.90	0.00	0.00	0.00	0.04	3.94
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	52537	51203	40212	15160	2973	156400
Time Of Maximum Demand Met (From NLDC SCADA)	22:22	15:03	21:24	02:47	19:15	22:14

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	0.025	0.00	0.22	2.99	3.21	76.53	20.26

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	7603	0	172.1	111.5	-0.1	177	0.00
	Haryana	7886	188	156.1	140.1	1.3	255	0.45
	Rajasthan	10877	0	235.2	81.4	0.5	355	0.00
	Delhi	4400	0	81.6	70.3	-0.6	132	0.00
	UP	18111	0	361.5	156.7	-1.9	380	0.00
	Uttarakhand	1766	0	39.2	20.6	0.9	130	0.00
	HP	1332	0	27.9	7.7	0.4	114	0.00
	J&K(UT) & Ladakh(UT)	2353	250	49.2	32.6	-1.1	232	3.45
	Chandigarh	256	0	4.9	4.8	0.2	51	0.00
WR	Chhattisgarh	3718	0	84.5	31.9	-0.1	170	0.00
	Gujarat	15945	0	335.2	132.8	-5.9	1157	0.00
	MP	9663	0	214.5	115.7	-2.9	570	0.00
	Maharashtra	21896	0	488.0	168.4	-2.5	583	0.00
	Goa	574	0	12.0	10.9	0.9	90	0.00
	DD	291	0	6.5	6.3	0.2	21	0.00
	DNH	725	0	17.0	16.8	0.2	48	0.00
	AMNSIL	838	0	18.8	0.9	0.5	248	0.00
SR	Andhra Pradesh	8637	0	178.5	62.7	-3.2	1122	0.00
	Telangana	7504	0	155.3	58.6	0.7	470	0.00
	Karnataka	8460	0	180.7	53.1	0.6	794	0.00
	Kerala	3170	0	61.8	35.0	-0.3	345	0.00
	Tamil Nadu	12180	0	257.2	104.5	-4.6	464	0.00
	Puducherry	348	0	7.3	7.7	-0.4	20	0.00
ER	Bihar	4484	0	49.3	53.2	-4.0	354	0.00
	DVC	2884	0	53.3	-40.5	-0.2	413	0.00
	Jharkhand	1064	0	13.6	11.7	-2.4	225	0.00
	Odisha	4510	0	86.0	32.4	-1.5	734	0.00
	West Bengal	5689	0	106.8	23.6	-1.0	32	0.00
	Sikkim	84	0	1.4	1.4	0.0	396	0.00
NER	Arunachal Pradesh	119	1	2.0	2.3	-0.4	34	0.01
	Assam	1790	0	32.8	27.9	0.4	105	0.00
	Manipur	205	1	2.5	2.6	-0.1	19	0.01
	Meghalaya	273	0	4.8	3.6	0.0	21	0.00
	Mizoram	106	1	1.4	1.7	-0.4	16	0.01
	Nagaland	139	1	2.3	2.5	-0.3	18	0.01
	Tripura	314	0	4.6	4.0	-0.1	61	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	45.0	-1.8	-22.4
Day Peak (MW)	2112.0	-276.4	-1077.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	342.5	-210.7	30.9	-168.6	6.0	0.0
Actual(MU)	344.8	-199.4	28.9	-182.4	3.2	-4.8
O/D/U/D(MU)	2.3	11.3	-2.0	-13.8	-2.7	-4.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	8082	19013	9872	2290	1022	40278	42
State Sector	14808	19907	13648	7765	11	56139	58
Total	22889	38920	23520	10055	1033	96417	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	432	1077	318	416	7	2249	62
Lignite	24	11	49	0	0	83	2
Hydro	202	40	71	113	22	449	12
Nuclear	29	33	44	0	0	106	3
Gas, Naptha & Diesel	24	30	13	0	23	89	2
RES (Wind, Solar, Biomass & Others)	96	207	329	5	0	637	18
Total	806	1398	824	533	52	3613	100

Share of RES in total generation (%)	11.91	14.84	39.91	0.86	0.29	17.63
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	40.56	20.06	53.90	22.04	43.21	32.97

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.036
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: 28-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	600	0.0	3.3	-3.3
2	HVDC	PUSAULI B/B	-	0	249	0.0	6.0	-6.0
3	765 kV	GAYA-VARANASI	2	0	1180	0.0	23.4	-23.4
4	765 kV	SASARAM-FATEHPUR	1	0	624	0.0	11.4	-11.4
5	765 kV	GAYA-BALIA	1	0	595	0.0	10.8	-10.8
6	400 kV	PUSAULI-VARANASI	1	0	160	0.0	3.2	-3.2
7	400 kV	PUSAULI -ALLAHABAD	1	0	151	0.0	2.8	-2.8
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	1152	0.0	23.4	-23.4
9	400 kV	PATNA-BALIA	4	0	1202	0.0	24.6	-24.6
10	400 kV	BIHARSHARIFF-BALIA	2	0	628	0.0	12.8	-12.8
11	400 kV	MOTIHARI-GORAKHPUR	2	0	599	0.0	12.2	-12.2
12	400 kV	BIHARSHARIFF-VARANASI	2	0	526	0.0	6.1	-6.1
13	220 kV	PUSAULI-SAHUPURI	1	133	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	0.1	0.0	0.1
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	0.1	141.9	-141.8
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	554	536	0.0	1.1	-1.1
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	529	394	0.5	0.0	0.5
3	765 kV	JHARSUGUDA-DURG	2	52	200	0.0	0.6	-0.6
4	400 kV	JHARSUGUDA-RAIGARH	4	17	191	0.0	1.7	-1.7
5	400 kV	RANCHI-SIPAT	2	117	136	0.5	0.0	0.5
6	220 kV	BUDHIPADAR-RAIGARH	1	0	118	0.0	1.9	-1.9
7	220 kV	BUDHIPADAR-KORBA	2	105	0	1.3	0.0	1.3
					ER-WR	2.2	5.3	-3.1
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	1632	0.0	35.0	-35.0
3	765 kV	ANGUL-SRIKAKULAM	2	0	2464	0.0	42.6	-42.6
4	400 kV	TALCHER-I/C	2	872	641	5.6	0.0	5.6
5	220 kV	BALIMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0
					ER-SR	0.0	83.7	-83.7
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	235	273	1.9	0.0	1.9
2	400 kV	ALIPURDUAR-BONGAIGAON	2	179	449	0.0	0.7	-0.7
3	220 kV	ALIPURDUAR-SALAKATI	2	8	130	0.0	0.9	-0.9
					ER-NER	1.9	1.6	0.3
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	286	302	2.6	0.0	2.6
					NER-NR	2.6	0.0	2.6
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	3529	0.0	60.9	-60.9
2	HVDC	VINDHYACHAL B/B	-	201	0	6.0	0.0	6.0
3	HVDC	MUNDRA-MOHINDERGARH	2	0	1916	0.0	38.9	-38.9
4	765 kV	GWALIOR-AGRA	2	0	2669	0.0	48.8	-48.8
5	765 kV	PHAGI-GWALIOR	2	0	1873	0.0	37.9	-37.9
6	765 kV	JABALPUR-ORAI	2	994	1023	0.0	39.2	-39.2
7	765 kV	GWALIOR-ORAI	1	655	0	12.8	0.0	12.8
8	765 kV	SATNA-ORAI	1	0	1499	0.0	32.5	-32.5
9	765 kV	CHITORGARH-BANASKANTHA	2	841	28	7.5	0.0	7.5
10	400 kV	ZERDA-KANKROLI	1	220	0	3.2	0.0	3.2
11	400 kV	ZERDA -BHINMAL	1	381	0	5.4	0.0	5.4
12	400 kV	VINDHYACHAL -RIHAND	1	969	0	21.8	0.0	21.8
13	400 kV	RAPP-SHUJALPUR	2	0	533	0.0	8.5	-8.5
14	220 kV	BHANPURA-RANPUR	1	0	168	0.0	3.0	-3.0
15	220 kV	BHANPURA-MORAK	1	0	30	0.0	2.7	-2.7
16	220 kV	MEHGAON-AURAIYA	1	88	0	0.2	0.1	0.1
17	220 kV	MALANPUR-AURAIYA	1	56	19	0.8	0.0	0.8
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	57.7	272.6	-214.9
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	0	326	0.0	7.6	-7.6
2	HVDC	RAIGARH-PUGALUR	2	278	501	0.0	1.6	-1.6
3	765 kV	SOLAPUR-RAICHUR	2	1784	479	19.3	0.4	18.9
4	765 kV	WARDHA-NIZAMABAD	2	206	1660	0.1	16.6	-16.5
5	400 kV	KOLHAPUR-KUDGI	2	1213	0	18.5	0.0	18.5
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	79	1.0	0.0	1.0
					WR-SR	38.9	26.2	12.7

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)	637	0	581	13.9
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	1161	883	991	23.8
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	313	0	280	6.7
	NER	132KV-GEYLEGPHU - SALAKATI	62	26	29	0.7
	NER	132kV Motanga-Rangia	-60	-45	-53	-1.3
NEPAL	NR	132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG)	-68	0	-44	-1.1
	ER	400KV-MUZAFFARPUR - DHALKEBAR DC	-154	52	-26	-0.6
	ER	132KV-BIHAR - NEPAL	-54	-1	-7	-0.2
BANGLADESH	ER	BHERAMARA HVDC(BANGLADESH)	-922	-625	-810	-19.5
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	-77	0	-61	-1.5
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	-78	0	-61	-1.5