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: 26th 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 25.05.2021.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 25-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 25th 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:** **26-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)	46764	47912	34307	19468	2696	151147
Peak Shortage (MW)	520	0	0	0	1	521
Energy Met (MU)	1039	1173	829	411	48	3500
Hydro Gen (MU)	189	58	72	77	14	410
Wind Gen (MU)	16	134	165	-	-	314
Solar Gen (MU)*	57.66	38.95	91.92	4.70	0.12	193
Energy Shortage (MU)	4.06	0.00	0.00	0.00	0.04	4.10
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	49863	50741	37243	21851	2909	153676
Time Of Maximum Demand Met (From NLDC SCADA)	22:14	15:14	09:30	00:01	19:17	22:34

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	0.046	0.00	0.68	12.88	13.56	76.03	10.40

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	6823	0	154.1	101.1	-0.7	130	0.00
	Haryana	7046	0	135.9	109.2	1.1	217	0.00
	Rajasthan	10718	0	223.8	70.9	0.3	806	0.00
	Delhi	3564	0	69.2	58.9	-0.9	87	0.00
	UP	18526	150	340.6	137.2	-1.3	374	0.61
	Uttarakhand	1670	0	36.0	16.1	1.5	160	0.00
	HP	1340	0	27.5	8.6	0.0	88	0.00
	J&K(UT) & Ladakh(UT)	2381	250	48.1	31.7	-0.4	230	3.45
	Chandigarh	208	0	4.3	4.4	-0.1	14	0.00
WR	Chhattisgarh	3693	0	84.0	37.2	-0.2	286	0.00
	Gujarat	15692	0	337.4	135.2	-0.2	737	0.00
	MP	9437	0	207.1	105.9	-2.5	337	0.00
	Maharashtra	21870	0	492.7	169.6	-2.5	675	0.00
	Goa	552	0	11.2	10.1	0.8	40	0.00
	DD	296	0	5.3	6.2	-0.8	27	0.00
	DNH	719	0	16.7	16.4	0.3	53	0.00
	AMNSIL	831	0	18.8	1.0	0.6	280	0.00
SR	Andhra Pradesh	7902	0	172.5	59.5	1.1	962	0.00
	Telangana	6908	0	153.7	54.0	0.6	458	0.00
	Karnataka	9233	0	178.2	62.6	0.1	633	0.00
	Kerala	3136	0	66.7	41.2	-0.5	269	0.00
	Tamil Nadu	11868	0	250.3	115.3	-1.8	499	0.00
	Puducherry	339	0	7.2	7.6	-0.4	90	0.00
ER	Bihar	5790	0	102.8	97.2	5.3	594	0.00
	DVC	3053	0	65.3	-41.6	0.2	490	0.00
	Jharkhand	1593	0	26.1	23.8	-3.1	204	0.00
	Odisha	4746	0	85.7	17.9	-0.6	308	0.00
	West Bengal	7482	0	129.8	21.0	-1.8	367	0.00
	Sikkim	98	0	1.6	1.4	0.2	36	0.00
NER	Arunachal Pradesh	102	2	2.1	1.8	0.2	74	0.01
	Assam	1758	0	31.4	27.2	0.3	89	0.00
	Manipur	204	1	2.6	2.5	0.1	33	0.01
	Meghalaya	289	0	4.7	3.6	-0.3	22	0.00
	Mizoram	108	1	1.5	1.7	-0.2	11	0.01
	Nagaland	138	1	2.5	2.4	0.1	11	0.01
	Tripura	250	0	3.7	3.2	0.4	99	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	18.6	-8.9	-25.1
Day Peak (MW)	966.0	-552.8	-1078.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	279.8	-193.4	22.2	-119.4	10.9	0.0
Actual(MU)	272.1	-189.4	11.6	-114.1	10.6	-9.2
O/D/U/D(MU)	-7.7	4.0	-10.6	5.4	-0.3	-9.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	7642	20433	10372	1430	1022	40898	44
State Sector	14463	19897	12848	5175	47	52429	56
Total	22104	40330	23220	6605	1069	93327	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	429	1075	365	486	7	2362	66
Lignite	25	10	48	0	0	83	2
Hydro	189	58	72	77	14	410	11
Nuclear	31	33	58	0	0	121	3
Gas, Naptha & Diesel	20	29	12	0	21	82	2
RES (Wind, Solar, Biomass & Others)	94	173	265	5	0	536	15
Total	787	1378	820	567	43	3595	100

Share of RES in total generation (%)	11.91	12.54	32.30	0.83	0.28	14.92
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	39.82	19.14	48.15	14.35	32.54	29.69

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.058
Based on State Max Demands	1.109

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: 26-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	6.0	-6.0
3	765 kV	GAYA-VARANASI	2	0	901	0.0	16.0	-16.0
4	765 kV	SASARAM-FATEHPUR	1	0	452	0.0	5.4	-5.4
5	765 kV	GAYA-BALIA	1	0	605	0.0	11.0	-11.0
6	400 kV	PUSAULI-VARANASI	1	0	184	0.0	3.7	-3.7
7	400 kV	PUSAULI -ALLAHABAD	1	0	155	0.0	2.3	-2.3
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	701	0.0	12.5	-12.5
9	400 kV	PATNA-BALIA	4	0	1022	0.0	19.2	-19.2
10	400 kV	BIHARSHARIFF-BALIA	2	0	320	0.0	6.1	-6.1
11	400 kV	MOTIHARI-GORAKHPUR	2	0	450	0.0	7.9	-7.9
12	400 kV	BIHARSHARIFF-VARANASI	2	0	364	0.0	6.0	-6.0
13	220 kV	PUSAULI-SAHUPURI	1	122	7	0.0	1.5	-1.5
14	132 kV	SONE NAGAR-RIHAND	1	0	0	0.0	0.0	0.0
15	132 kV	GARWAH-RIHAND	1	20	0	0.4	0.0	0.4
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	0.4	97.6	-97.3
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	610	359	1.9	0.0	1.9
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	780	322	8.9	0.0	8.9
3	765 kV	JHARSUGUDA-DURG	2	174	258	0.0	0.1	-0.1
4	400 kV	JHARSUGUDA-RAIGARH	4	67	242	0.0	2.1	-2.1
5	400 kV	RANCHI-SIPAT	2	201	105	2.2	0.0	2.2
6	220 kV	BUDHIPADAR-RAIGARH	1	0	131	0.0	2.0	-2.0
7	220 kV	BUDHIPADAR-KORBA	2	86	17	0.7	0.0	0.7
					ER-WR	13.7	4.2	9.6
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	283	0.0	6.0	-6.0
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1579	0.0	25.4	-25.4
3	765 kV	ANGUL-SRIKAKULAM	2	0	2676	0.0	44.9	-44.9
4	400 kV	TALCHER-I/C	2	1095	0	18.8	0.0	18.8
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
					ER-SR	0.0	76.4	-76.4
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	178	109	1.1	0.0	1.1
2	400 kV	ALIPURDUAR-BONGAIGAON	2	228	245	0.0	0.0	0.0
3	220 kV	ALIPURDUAR-SALAKATI	2	34	48	0.0	0.2	-0.2
					ER-NER	1.1	0.2	1.0
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	490	0	10.3	0.0	10.3
					NER-NR	10.3	0.0	10.3
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	2514	0.0	52.2	-52.2
2	HVDC	VINDHYACHAL B/B	-	201	0	2.9	0.0	2.9
3	HVDC	MUNDRA-MOHINDERGARH	2	0	1452	0.0	19.4	-19.4
4	765 kV	GWALIOR-AGRA	2	0	2826	0.0	53.7	-53.7
5	765 kV	PHAGI-GWALIOR	2	0	1761	0.0	33.1	-33.1
6	765 kV	JABALPUR-ORAI	2	770	1081	0.0	40.4	-40.4
7	765 kV	GWALIOR-ORAI	1	703	0	12.8	0.0	12.8
8	765 kV	SATNA-ORAI	1	0	1505	0.0	31.7	-31.7
9	765 kV	CHITORGARH-BANASKANTHA	2	540	431	3.6	0.0	3.6
10	400 kV	ZERDA-KANKROLI	1	181	35	2.4	0.0	2.4
11	400 kV	ZERDA -BHINMAL	1	322	82	3.9	0.0	3.9
12	400 kV	VINDHYACHAL -RIHAND	1	970	0	22.7	0.0	22.7
13	400 kV	RAPP-SHUJALPUR	2	0	504	0.0	7.8	-7.8
14	220 kV	BHANPURA-RANPUR	1	0	144	0.0	2.7	-2.7
15	220 kV	BHANPURA-MORAK	1	0	30	0.0	2.4	-2.4
16	220 kV	MEHGAON-AURAIYA	1	78	32	0.1	0.3	-0.2
17	220 kV	MALANPUR-AURAIYA	1	47	46	0.5	0.1	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	48.9	243.7	-194.8
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	0	326	0.0	7.6	-7.6
2	HVDC	RAIGARH-PUGALUR	2	577	0	8.9	0.0	8.9
3	765 kV	SOLAPUR-RAICHUR	2	1562	1279	10.9	0.0	10.9
4	765 kV	WARDHA-NIZAMABAD	2	127	1587	0.0	14.7	-14.7
5	400 kV	KOLHAPUR-KUDGI	2	1030	0	14.8	0.0	14.8
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	69	1.4	0.0	1.4
					WR-SR	35.9	22.3	13.6

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)	463	0	332	8.0
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	318	297	298	7.2
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	114	91	93	2.2
	NER	132KV-GEYLEGPHU - SALAKATI	20	0	-12	-0.3
	NER	132kV Motanga-Rangia	51	21	-38	-0.9
NEPAL	NR	132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG)	-78	0	-67	-1.6
	ER	400KV-MUZAFFARPUR - DHALKEBAR DC	-222	-96	-185	-4.4
	ER	132KV-BIHAR - NEPAL	-253	-15	-118	-2.8
BANGLADESH	ER	BHERAMARA HVDC(BANGLADESH)	-916	-911	-914	-21.9
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	-81	0	-65	-1.6
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	-81	0	-65	-1.6