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, क़ुतुब इन्स्टीट्यूशनल एरिया, कटवारिया सराये, न्यू दिल्ली-110016

Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 9th 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 08.05.2021.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 08-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 08th 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:** **09-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)	47889	49387	41412	20661	2577	161926
Peak Shortage (MW)	200	0	0	0	7	207
Energy Met (MU)	1070	1246	992	422	44	3773
Hydro Gen (MU)	189	61	72	51	16	388
Wind Gen (MU)	3	52	21	-	-	76
Solar Gen (MU)*	49.63	35.91	108.73	5.10	0.16	200
Energy Shortage (MU)	4.05	0.00	0.00	0.00	0.04	4.09
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	50540	56416	45323	20795	2826	166882
Time Of Maximum Demand Met (From NLDC SCADA)	22:29	15:02	14:58	21:09	18:39	22:37

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	0.034	0.00	0.09	8.84	8.93	80.49	10.58

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	6412	0	147.1	88.7	0.0	111	0.00
	Haryana	6940	313	139.5	104.0	-0.4	205	0.60
	Rajasthan	11150	0	228.2	74.3	1.0	456	0.00
	Delhi	3822	0	74.3	60.4	-2.5	20	0.00
	UP	19173	0	366.3	139.4	-1.7	498	0.00
	Uttarakhand	1572	0	34.8	14.2	-0.1	239	0.00
	HP	1367	0	27.4	7.2	0.8	126	0.00
	J&K(UT) & Ladakh(UT)	2421	200	49.2	31.5	-0.1	155	3.45
	Chandigarh	181	0	3.6	3.7	-0.1	19	0.00
WR	Chhattisgarh	3462	0	81.0	29.7	-0.7	213	0.00
	Gujarat	17918	0	380.4	127.0	4.3	969	0.00
	MP	9971	0	221.6	136.0	-1.7	550	0.00
	Maharashtra	23109	0	510.7	147.9	-1.2	658	0.00
	Goa	508	0	11.3	11.0	-0.2	22	0.00
	DD	286	0	6.4	6.3	0.1	27	0.00
	DNH	679	0	15.9	15.8	0.1	66	0.00
	AMNSIL	828	0	18.3	1.2	0.2	274	0.00
SR	Andhra Pradesh	9836	0	201.6	115.2	1.0	718	0.00
	Telangana	7947	0	166.3	45.2	-0.1	476	0.00
	Karnataka	9975	0	203.1	63.0	-0.5	492	0.00
	Kerala	3629	0	72.3	48.2	0.0	287	0.00
	Tamil Nadu	14941	0	339.3	241.0	-1.8	305	0.00
	Puducherry	434	0	9.2	9.5	-0.3	22	0.00
ER	Bihar	5153	0	95.8	87.2	1.7	390	0.00
	DVC	2831	0	62.1	-51.2	0.0	300	0.00
	Jharkhand	1341	0	24.7	20.7	-1.4	138	0.00
	Odisha	4577	0	89.5	17.6	0.2	338	0.00
	West Bengal	7704	0	148.9	22.6	0.3	430	0.00
	Sikkim	71	0	1.0	0.9	0.1	78	0.00
NER	Arunachal Pradesh	136	1	2.3	2.6	-0.4	10	0.01
	Assam	1566	0	25.2	20.5	0.2	155	0.00
	Manipur	192	1	2.6	2.5	0.0	26	0.01
	Meghalaya	330	0	5.5	4.4	-0.3	30	0.00
	Mizoram	105	1	1.6	1.5	0.1	41	0.01
	Nagaland	125	2	2.2	2.3	0.0	9	0.01
	Tripura	273	0	4.5	3.9	0.0	57	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	11.1	-10.1	-23.6
Day Peak (MW)	688.0	-543.4	-1016.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	221.1	-221.8	150.0	-147.5	-1.9	0.0
Actual(MU)	210.7	-212.3	145.0	-146.6	-2.6	-5.9
O/D/U/D(MU)	-10.5	9.5	-5.0	0.9	-0.7	-5.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	4837	20137	6752	318	913	32957	45
State Sector	11528	14495	8805	4665	11	39504	55
Total	16364	34632	15557	4983	925	72461	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	539	1248	519	544	13	2863	74
Lignite	22	12	49	0	0	83	2
Hydro	189	61	72	51	16	389	10
Nuclear	31	26	59	0	0	116	3
Gas, Naptha & Diesel	28	56	13	0	23	122	3
RES (Wind, Solar, Biomass & Others)	66	88	153	5	0	312	8
Total	874	1492	866	601	52	3884	100

Share of RES in total generation (%)	7.51	5.89	17.67	0.86	0.31	8.24
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	32.63	11.76	32.82	9.38	30.34	21.21

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.054
Based on State Max Demands	1.084

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: 09-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	248	0.0	6.0	-6.0
3	765 kV	GAYA-VARANASI	2	0	849	0.0	15.0	-15.0
4	765 kV	SASARAM-FATEHPUR	1	0	409	0.0	6.5	-6.5
5	765 kV	GAYA-BALIA	1	0	395	0.0	6.7	-6.7
6	400 kV	PUSAULI-VARANASI	1	0	181	0.0	3.4	-3.4
7	400 kV	PUSAULI -ALLAHABAD	1	0	138	0.0	2.4	-2.4
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	839	0.0	12.8	-12.8
9	400 kV	PATNA-BALIA	4	0	999	0.0	17.1	-17.1
10	400 kV	BIHARSHARIFF-BALIA	2	0	328	0.0	4.2	-4.2
11	400 kV	MOTIHARI-GORAKHPUR	2	0	518	0.0	8.6	-8.6
12	400 kV	BIHARSHARIFF-VARANASI	2	0	393	0.0	6.7	-6.7
13	220 kV	PUSAULI-SAHUPURI	1	5	119	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	0.5	0.0	0.5
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	0.5	90.9	-90.3
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	761	111	7.8	0.0	7.8
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	371	952	0.0	5.4	-5.4
3	765 kV	JHARSUGUDA-DURG	2	0	247	0.0	3.6	-3.6
4	400 kV	JHARSUGUDA-RAIGARH	4	75	273	0.0	2.2	-2.2
5	400 kV	RANCHI-SIPAT	2	0	103	0.0	1.5	-1.5
6	220 kV	BUDHIPADAR-RAIGARH	1	0	115	0.0	1.6	-1.6
7	220 kV	BUDHIPADAR-KORBA	2	121	0	1.5	0.0	1.5
					ER-WR	9.3	14.3	-5.0
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	411	0.0	8.9	-8.9
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1979	0.0	45.4	-45.4
3	765 kV	ANGUL-SRIKAKULAM	2	0	2734	0.0	52.8	-52.8
4	400 kV	TALCHER-I/C	2	283	700	0.0	8.0	-8.0
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
					ER-SR	0.0	107.1	-107.1
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	329	0	4.8	0.0	4.8
2	400 kV	ALIPURDUAR-BONGAIGAON	2	502	0	6.8	0.0	6.8
3	220 kV	ALIPURDUAR-SALAKATI	2	76	15	1.0	0.0	1.0
					ER-NER	12.6	0.0	12.6
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	486	0	10.4	0.0	10.4
					NER-NR	10.4	0.0	10.4
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	1015	0.0	48.8	-48.8
2	HVDC	VINDHYACHAL B/B	-	200	249	3.7	2.4	1.3
3	HVDC	MUNDRA-MOHINDERGARH	2	0	1919	0.0	38.5	-38.5
4	765 kV	GWALIOR-AGRA	2	0	2269	0.0	33.5	-33.5
5	765 kV	PHAGI-GWALIOR	2	0	1941	0.0	33.2	-33.2
6	765 kV	JABALPUR-ORAI	2	0	677	0.0	24.2	-24.2
7	765 kV	GWALIOR-ORAI	1	807	0	14.9	0.0	14.9
8	765 kV	SATNA-ORAI	1	0	1318	0.0	27.5	-27.5
9	765 kV	CHITORGARH-BANASKANTHA	2	1320	0	19.9	0.0	19.9
10	400 kV	ZERDA-KANKROLI	1	311	0	4.1	0.0	4.1
11	400 kV	ZERDA -BHINMAL	1	442	8	7.9	0.0	7.9
12	400 kV	VINDHYACHAL -RIHAND	1	975	0	22.5	0.0	22.5
13	400 kV	RAPP-SHUJALPUR	2	0	401	0.0	4.1	-4.1
14	220 kV	BHANPURA-RANPUR	1	0	91	0.0	1.5	-1.5
15	220 kV	BHANPURA-MORAK	1	0	30	0.0	1.2	-1.2
16	220 kV	MEHGAON-AURAIYA	1	113	0	0.6	0.0	0.6
17	220 kV	MALANPUR-AURAIYA	1	80	9	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	74.8	214.6	-139.9
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	0	522	0.0	12.2	-12.2
2	HVDC	RAIGARH-PUGALUR	2	0	2019	0.0	33.8	-33.8
3	765 kV	SOLAPUR-RAICHUR	2	1198	1816	3.3	15.6	-12.3
4	765 kV	WARDHA-NIZAMABAD	2	70	1897	0.0	24.1	-24.1
5	400 kV	KOLHAPUR-KUDGI	2	676	288	4.2	0.4	3.8
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	87	1.7	0.0	1.7
					WR-SR	9.2	86.1	-77.0

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)	322	217	224	5.4
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	253	0	200	4.8
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	66	33	33	0.8
	NER	132KV-GEYLEGPHU - SALAKATI	19	0	12	0.3
	NER	132kV Motanga-Rangia	28	0	-18	-0.4
NEPAL	NR	132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG)	0	0	0	-1.5
	ER	400KV-MUZAFFARPUR - DHALKEBAR DC	-304	-207	-286	-6.9
	ER	132KV-BIHAR - NEPAL	-168	-1	-70	-1.7
BANGLADESH	ER	BHERAMARA HVDC(BANGLADESH)	-854	-851	-853	-20.5
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	-81	0	-65	-1.6
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	-81	0	-65	-1.6