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: 12th 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 11.05.2021.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 11-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 11th 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:** **12-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)	46274	48277	39032	18002	2522	154107
Peak Shortage (MW)	200	0	0	0	1	201
Energy Met (MU)	1051	1214	962	403	45	3675
Hydro Gen (MU)	198	39	56	51	18	362
Wind Gen (MU)	25	108	52	-	-	185
Solar Gen (MU)*	46.04	42.58	95.01	4.94	0.18	189
Energy Shortage (MU)	3.45	0.00	0.00	0.00	0.03	3.48
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	47927	54029	45590	19760	2702	162518
Time Of Maximum Demand Met (From NLDC SCADA)	12:16	15:20	12:32	00:00	18:49	11:20

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	0.032	0.00	0.65	3.65	4.29	79.33	16.38

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	6529	0	146.8	80.4	-0.9	75	0.00
	Haryana	6668	0	134.1	105.2	0.3	220	0.00
	Rajasthan	10804	140	218.1	73.5	0.5	534	0.00
	Delhi	3970	0	77.9	63.3	-2.7	42	0.00
	UP	18354	0	363.9	138.9	0.6	588	0.00
	Uttarakhand	1621	0	35.2	15.0	0.2	154	0.00
	HP	1349	0	26.6	6.6	-0.9	91	0.00
	J&K(UT) & Ladakh(UT)	2452	200	44.1	27.1	0.3	396	3.45
	Chandigarh	186	0	3.9	4.2	-0.3	20	0.00
WR	Chhattisgarh	3245	0	69.2	22.6	-3.0	473	0.00
	Gujarat	17399	0	373.2	124.4	1.6	557	0.00
	MP	9605	0	206.2	120.2	-3.5	516	0.00
	Maharashtra	22956	0	515.4	147.8	-2.3	655	0.00
	Goa	492	0	11.1	10.8	-0.3	37	0.00
	DD	298	0	6.5	6.3	0.2	19	0.00
	DNH	687	0	16.0	16.0	0.0	47	0.00
	AMNSIL	747	0	16.8	1.2	0.2	258	0.00
SR	Andhra Pradesh	10390	0	195.2	126.0	-1.3	972	0.00
	Telangana	8202	0	165.3	56.1	-1.4	491	0.00
	Karnataka	9734	0	190.8	60.1	-1.2	589	0.00
	Kerala	3331	0	72.1	51.1	0.3	195	0.00
	Tamil Nadu	14466	0	329.3	209.5	-2.3	333	0.00
	Puducherry	407	0	9.0	9.5	-0.4	20	0.00
ER	Bihar	5037	0	95.7	87.8	0.7	440	0.00
	DVC	3001	0	64.4	-48.3	0.1	276	0.00
	Jharkhand	1400	0	24.8	21.9	-2.7	112	0.00
	Odisha	4532	0	81.4	17.6	-1.1	642	0.00
	West Bengal	7017	0	135.5	26.8	-2.1	454	0.00
	Sikkim	74	0	1.0	1.2	-0.2	48	0.00
NER	Arunachal Pradesh	128	0	2.6	2.7	-0.2	17	0.00
	Assam	1535	0	26.4	20.8	-0.1	104	0.00
	Manipur	180	1	2.6	2.6	0.0	19	0.00
	Meghalaya	323	0	5.7	4.0	0.1	48	0.00
	Mizoram	104	0	1.5	1.7	-0.2	14	0.00
	Nagaland	135	3	2.2	2.4	-0.1	10	0.00
	Tripura	243	0	4.0	3.6	-0.6	59	0.03

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	11.3	-11.6	-23.9
Day Peak (MW)	645.0	-605.7	-1078.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	221.9	-268.4	180.6	-133.9	-0.1	0.0
Actual(MU)	209.5	-260.1	179.9	-134.9	-2.6	-8.2
O/D/U/D(MU)	-12.4	8.3	-0.6	-1.0	-2.5	-8.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	5337	17972	8582	298	913	33103	45
State Sector	11203	15475	8745	4875	11	40309	55
Total	16539	33447	17327	5173	925	73411	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	493	1230	452	517	10	2702	72
Lignite	19	10	47	0	0	75	2
Hydro	198	39	56	51	18	362	10
Nuclear	31	16	64	0	0	111	3
Gas, Naptha & Diesel	27	48	11	0	24	110	3
RES (Wind, Solar, Biomass & Others)	94	150	168	5	0	417	11
Total	862	1493	797	573	53	3779	100

Share of RES in total generation (%)	10.90	10.06	21.07	0.86	0.34	11.04
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	37.42	13.77	36.18	9.74	35.36	23.58

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.046
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: 12-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	6.1	-6.1
3	765 kV	GAYA-VARANASI	2	0	725	0.0	12.4	-12.4
4	765 kV	SASARAM-FATEHPUR	1	94	309	0.0	3.1	-3.1
5	765 kV	GAYA-BALIA	1	0	412	0.0	7.5	-7.5
6	400 kV	PUSAULI-VARANASI	1	0	215	0.0	4.0	-4.0
7	400 kV	PUSAULI -ALLAHABAD	1	0	112	0.0	1.7	-1.7
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	748	0.0	10.6	-10.6
9	400 kV	PATNA-BALIA	4	0	986	0.0	14.5	-14.5
10	400 kV	BIHARSHARIFF-BALIA	2	26	295	0.0	4.0	-4.0
11	400 kV	MOTIHARI-GORAKHPUR	2	0	435	0.0	6.7	-6.7
12	400 kV	BIHARSHARIFF-VARANASI	2	0	320	0.0	4.8	-4.8
13	220 kV	PUSAULI-SAHUPURI	1	53	104	0.0	1.0	-1.0
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	76.5	-76.1
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	510	408	2.6	0.0	2.6
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	677	562	2.9	0.0	2.9
3	765 kV	JHARSUGUDA-DURG	2	0	504	0.0	6.8	-6.8
4	400 kV	JHARSUGUDA-RAIGARH	4	300	183	1.1	0.0	1.1
5	400 kV	RANCHI-SIPAT	2	228	160	0.7	0.0	0.7
6	220 kV	BUDHIPADAR-RAIGARH	1	6	101	0.0	1.1	-1.1
7	220 kV	BUDHIPADAR-KORBA	2	163	0	2.4	0.0	2.4
					ER-WR	9.8	7.9	1.9
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	407	0.0	8.9	-8.9
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1937	0.0	46.7	-46.7
3	765 kV	ANGUL-SRIKAKULAM	2	0	3023	0.0	57.4	-57.4
4	400 kV	TALCHER-I/C	2	0	712	0.0	11.9	-11.9
5	220 kV	BALIMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0
					ER-SR	0.0	113.1	-113.1
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	334	120	4.6	0.0	4.6
2	400 kV	ALIPURDUAR-BONGAIGAON	2	476	177	6.1	0.0	6.1
3	220 kV	ALIPURDUAR-SALAKATI	2	81	34	1.0	0.0	1.0
					ER-NER	11.8	0.0	11.8
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	469	0	8.9	0.0	8.9
					NER-NR	8.9	0.0	8.9
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	3528	0.0	58.1	-58.1
2	HVDC	VINDHYACHAL B/B	-	84	104	1.2	1.2	0.0
3	HVDC	MUNDRA-MOHINDERGARH	2	0	1917	0.0	32.2	-32.2
4	765 kV	GWALIOR-AGRA	2	0	2217	0.0	34.8	-34.8
5	765 kV	PHAGI-GWALIOR	2	0	1860	0.0	29.8	-29.8
6	765 kV	JABALPUR-ORAI	2	778	760	0.0	24.3	-24.3
7	765 kV	GWALIOR-ORAI	1	750	0	12.4	0.0	12.4
8	765 kV	SATNA-ORAI	1	0	1396	0.0	29.0	-29.0
9	765 kV	CHITORGARH-BANASKANTHA	2	948	0	13.8	0.0	13.8
10	400 kV	ZERDA-KANKROLI	1	289	0	4.4	0.0	4.4
11	400 kV	ZERDA -BHINMAL	1	445	0	6.4	0.0	6.4
12	400 kV	VINDHYACHAL -RIHAND	1	968	0	21.8	0.0	21.8
13	400 kV	RAPP-SHUJALPUR	2	144	349	0.2	3.2	-3.0
14	220 kV	BHANPURA-RANPUR	1	0	96	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	72	14	0.2	0.2	0.0
17	220 kV	MALANPUR-AURAIYA	1	44	33	0.5	0.0	0.5
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	61.0	215.5	-154.5
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	0	816	0.0	13.6	-13.6
2	HVDC	RAIGARH-PUGALUR	2	0	2517	0.0	55.5	-55.5
3	765 kV	SOLAPUR-RAICHUR	2	509	1588	0.9	12.9	-12.0
4	765 kV	WARDHA-NIZAMABAD	2	0	2001	0.0	32.2	-32.2
5	400 kV	KOLHAPUR-KUDGI	2	640	0	8.2	0.0	8.2
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	XELDEM-AMBEWADI	1	0	94	1.6	0.0	1.6
					WR-SR	10.7	114.3	-103.6

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)	327	0	265	6.4
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	250	0	192	4.6
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	82	0	1	0.0
	NER	132KV-GEYLEGPHU - SALAKATI	21	4	12	0.3
	NER	132kV Motanga-Rangia	-35	0	-25	-0.6
NEPAL	NR	132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG)	-74	0	-62	-1.5
	ER	400KV-MUZAFFARPUR - DHALKEBAR DC	-318	-209	-291	-7.0
	ER	132KV-BIHAR - NEPAL	-214	-48	-131	-3.2
BANGLADESH	ER	BHERAMARA HVDC(BANGLADESH)	-942	-720	-884	-21.2
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	-68	0	-55	-1.3
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	-68	0	-55	-1.3