



National Load Despatch Centre
राष्ट्रीय भार प्रेषण केंद्र
POWER SYSTEM OPERATION CORPORATION LIMITED
पावर 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: 8th 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., डोंगतेह, 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 07.05.2021.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 07-मई -2021 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रा०भा०प्रे०के० की वेबसाइट पर उपलब्ध 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 07th 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: 08-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)	47203	48927	41110	19186	2407	158833
Peak Shortage (MW)	0	0	0	0	7	7
Energy Met (MU)	1005	1247	1008	404	43	3708
Hydro Gen (MU)	189	61	70	58	13	391
Wind Gen (MU)	6	61	22	-	-	89
Solar Gen (MU)*	50.55	35.45	99.43	5.20	0.14	191
Energy Shortage (MU)	6.81	0.00	0.00	0.00	0.08	6.89
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	49560	56748	46965	19658	2604	164662
Time Of Maximum Demand Met (From NLDC SCADA)	22:30	14:54	11:42	19:52	18:40	22:36

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	0.03	7.21	7.24	80.30	12.45

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	6486	0	140.1	85.4	0.1	292	0.00
	Haryana	6789	0	125.3	93.9	1.2	287	0.00
	Rajasthan	10523	0	220.4	69.8	0.7	439	0.00
	Delhi	3715	0	72.8	57.4	-2.0	35	0.00
	UP	18686	0	331.5	123.4	-3.6	788	0.39
	Uttarakhand	1591	0	34.7	14.7	0.1	78	0.00
	HP	1397	0	26.9	7.1	0.7	163	0.02
	J&K(UT) & Ladakh(UT)	2276	0	49.4	31.1	0.9	371	6.40
	Chandigarh	170	0	3.6	3.8	-0.2	13	0.00
	Chhattisgarh	3560	0	83.5	30.5	-1.6	214	0.00
WR	Gujarat	17559	0	378.8	139.3	-0.1	581	0.00
	MP	9838	0	219.5	132.8	-1.8	434	0.00
	Maharashtra	22941	0	512.9	154.3	-1.7	661	0.00
	Goa	505	0	11.4	10.8	0.1	70	0.00
	DD	299	0	6.6	6.4	0.2	18	0.00
	DNH	681	0	16.1	16.1	0.0	49	0.00
	AMNSIL	809	0	18.3	1.2	0.4	292	0.00
SR	Andhra Pradesh	9967	0	201.8	114.9	0.7	728	0.00
	Telangana	7902	0	166.3	43.6	-0.6	511	0.00
	Karnataka	10665	0	207.7	66.7	0.0	552	0.00
	Kerala	3494	0	75.8	51.6	-0.2	265	0.00
	Tamil Nadu	15471	0	347.1	246.2	-0.3	616	0.00
	Puducherry	438	0	9.5	9.6	-0.1	24	0.00
	Bihar	4958	0	92.5	87.2	-1.3	475	0.00
ER	DVC	2935	0	61.1	-47.6	0.4	327	0.00
	Jharkhand	1354	0	23.7	19.7	-1.4	144	0.00
	Odisha	4326	0	89.2	22.6	-1.6	392	0.00
	West Bengal	6958	0	136.9	13.6	0.4	387	0.00
	Sikkim	85	0	1.0	1.0	0.0	66	0.00
NER	Arunachal Pradesh	128	1	2.2	2.4	-0.3	13	0.01
	Assam	1491	0	24.8	21.0	-0.5	132	0.00
	Manipur	199	1	2.5	2.4	0.1	29	0.01
	Meghalaya	283	0	5.4	4.4	0.1	173	0.00
	Mizoram	96	1	1.5	1.5	-0.1	12	0.01
	Nagaland	133	1	2.2	2.3	-0.1	8	0.01
	Tripura	233	0	4.4	3.6	-0.1	51	0.04

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	17.2	-8.5	-23.2
Day Peak (MW)	1014.0	-611.0	-1000.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	197.6	-220.9	155.6	-132.5	0.3	0.0
Actual(MU)	180.1	-215.1	169.4	-144.2	1.5	-8.2
O/D/U/D(MU)	-17.5	5.9	13.8	-11.7	1.2	-8.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	5547	19297	7252	318	913	33327	46
State Sector	12320	14367	8455	4365	11	39518	54
Total	17867	33664	15707	4683	925	72845	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	497	1236	518	519	11	2781	73
Lignite	19	10	50	0	0	79	2
Hydro	189	61	71	58	13	391	10
Nuclear	31	28	59	0	0	118	3
Gas, Naptha & Diesel	28	52	13	0	23	117	3
RES (Wind, Solar, Biomass & Others)	79	97	147	5	0	328	9
Total	842	1483	858	583	47	3814	100
Share of RES in total generation (%)	9.37	6.52	17.09	0.90	0.30	8.59	
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	35.43	12.52	32.21	10.90	27.24	21.95	

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.066
Based on State Max Demands	1.087

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: 08-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	6.3	-6.3
3	765 kV	GAYA-VARANASI	2	0	742	0.0	12.9	-12.9
4	765 kV	SASARAM-FATEHPUR	1	0	294	0.0	5.0	-5.0
5	765 kV	GAYA-BALIA	1	0	391	0.0	7.0	-7.0
6	400 kV	PUSAULI-VARANASI	1	0	186	0.0	3.8	-3.8
7	400 kV	PUSAULI-ALLAHABAD	1	0	138	0.0	2.5	-2.5
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	811	0.0	11.6	-11.6
9	400 kV	PATNA-BALIA	4	0	1068	0.0	19.4	-19.4
10	400 kV	BIHARSHARIFF-BALIA	2	0	407	0.0	6.1	-6.1
11	400 kV	MOTIHARI-GORAKHPUR	2	0	508	0.0	8.7	-8.7
12	400 kV	BIHARSHARIFF-VARANASI	2	0	353	0.0	5.1	-5.1
13	220 kV	PUSAULI-SAHUPURI	1	20	103	0.0	1.3	-1.3
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	89.7	-89.3
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	1022	0	16.7	0.0	16.7
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	615	669	0.0	2.7	-2.7
3	765 kV	JHARSUGUDA-DURG	2	39	206	0.0	2.3	-2.3
4	400 kV	JHARSUGUDA-RAIGARH	4	155	159	0.0	0.4	-0.4
5	400 kV	RANCHI-SIPAT	2	178	203	0.0	0.9	-0.9
6	220 kV	BUDHIPADAR-RAIGARH	1	0	100	0.0	1.5	-1.5
7	220 kV	BUDHIPADAR-KORBA	2	115	54	1.6	0.0	1.6
						ER-WR	18.3	10.7
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	406	0.0	9.6	-9.6
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1979	0.0	47.9	-47.9
3	765 kV	ANGUL-SRIKAKULAM	2	0	2886	0.0	54.9	-54.9
4	400 kV	TALCHER-I/C	2	0	711	0.0	15.6	-15.6
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
						ER-SR	112.4	-112.4
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	307	102	3.9	0.0	3.9
2	400 kV	ALIPURDUAR-BONGAIGAON	2	463	183	4.3	0.0	4.3
3	220 kV	ALIPURDUAR-SALAKATI	2	75	39	0.4	0.0	0.4
						ER-NER	8.5	8.5
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	489	0	10.4	0.0	10.4
						NER-NR	10.4	10.4
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	2543	0.0	25.5	-25.5
2	HVDC	VINDHYACHAL B/B	-	163	246	4.2	0.7	3.4
3	HVDC	MUNDRAM-SOHNERGARH	2	0	1920	0.0	38.0	-38.0
4	765 kV	GWALIOR-AGRA	2	0	2321	0.0	36.4	-36.4
5	765 kV	PHAGI-GWALIOR	2	0	1793	0.0	27.1	-27.1
6	765 kV	JABALPUR-ORAI	2	614	704	0.0	22.4	-22.4
7	765 kV	GWALIOR-ORAI	1	733	0	12.8	0.0	12.8
8	765 kV	SATNA-ORAI	1	0	1325	0.0	27.8	-27.8
9	765 kV	CHITORGARH-BANASKANTHA	2	1407	0	21.7	0.0	21.7
10	400 kV	ZERDA-KANKROLI	1	291	0	5.1	0.0	5.1
11	400 kV	ZERDA-BHNMAL	1	416	0	5.6	0.0	5.6
12	400 kV	VINDHYACHAL-RIHAND	1	995	0	22.5	0.0	22.5
13	400 kV	RAPP-SHUALPUR	2	0	378	0.0	4.0	-4.0
14	220 kV	BHANPURA-RANPUR	1	0	103	0.0	1.6	-1.6
15	220 kV	BHANPURA-MORAK	1	0	30	0.0	1.4	-1.4
16	220 kV	MEHGAON-AURAIYA	1	94	17	0.5	0.0	0.4
17	220 kV	MALANPUR-AURAIYA	1	70	29	0.9	0.1	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	73.3	184.9
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	0	715	0.0	14.4	-14.4
2	HVDC	RAIGARH-PUGALUR	2	0	2008	0.0	40.7	-40.7
3	765 kV	SOLAPUR-RAICHUR	2	663	1810	1.4	17.5	-16.1
4	765 kV	WARDHA-NIZAMABAD	2	0	1980	0.0	26.6	-26.6
5	400 kV	KOLHAPUR-KUDGI	2	586	159	3.9	0.2	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	1	87	1.5	0.0	1.5
						WR-SR	6.9	92.4

INTERNATIONAL EXCHANGES

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 MANGDECHHU HEP 4*180MW)	373	0	247	5.9
	ER	400KV TALA-BINAGURI 1,2,4 (& 400KV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW))	477	0	361	8.7
	ER	220KV CHUKHA-BIRPARA 1&2 (& 220KV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	157	0	94	2.3
	NER	132KV-GEYLEGPHU - SALAKATI	42	-18	8	0.2
	NER	132KV Motanga-Rangia	-35	0	-23	-0.6
NEPAL	NR	132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG)	-75	0	-57	-1.4
	ER	400KV-MUZAFFARPUR - DHALKEBAR DC	-311	-204	-271	-6.5
	ER	132KV-BIHAR - NEPAL	-225	0	-24	-0.6
BANGLADESH	ER	BHERAMARA HVDC(BANGLADESH)	-856	-845	-850	-20.4
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	-72	0	-58	-1.4
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	-72	0	-58	-1.4