



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: 7th 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 06.05.2021.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 06-मई-2021 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रांभांप्रेके 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 06th 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: 07-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)	40366	49080	42110	19662	2495	153713
Peak Shortage (MW)	350	0	0	0	7	357
Energy Met (MU)	1053	1258	1013	398	43	3766
Hydro Gen (MU)	196	62	75	66	16	414
Wind Gen (MU)	25	76	19	-	-	121
Solar Gen (MU)*	39.03	37.15	103.16	5.42	0.16	185
Energy Shortage (MU)	6.97	0.00	0.00	0.00	0.08	7.05
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	50621	56998	46688	20046	2710	168781
Time Of Maximum Demand Met (From NLDC SCADA)	00:00	15:04	12:44	20:01	18:34	11:50

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	0.033	0.00	0.29	6.02	6.31	75.69	18.01

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	6611	0	146.2	80.4	-0.6	103	0.00
	Haryana	7030	151	134.4	100.0	-2.9	367	0.18
	Rajasthan	11130	0	220.9	67.7	-3.4	657	0.00
	Delhi	4418	0	80.5	65.7	-2.6	99	0.01
	UP	18359	0	357.3	135.3	-2.7	567	0.13
	Uttarakhand	1613	0	33.7	15.7	-0.8	103	0.00
	HP	1344	0	26.9	7.3	0.2	187	0.00
	J&K(UT) & Ladakh(UT)	2445	350	48.9	28.7	0.3	198	6.65
	Chandigarh	204	0	3.7	4.3	-0.6	11	0.00
	Chhattisgarh	3670	0	87.1	26.4	-0.2	347	0.00
WR	Gujarat	17456	0	376.5	132.8	0.8	769	0.00
	MP	10097	0	223.6	132.6	-3.0	565	0.00
	Maharashtra	23721	0	520.8	157.2	-2.2	806	0.00
	Goa	535	0	11.7	11.2	-0.1	38	0.00
	DD	297	0	6.6	6.4	0.2	33	0.00
	DNH	704	0	16.4	16.3	0.1	62	0.00
	AMNSIL	751	0	15.5	2.3	-0.2	281	0.00
SR	Andhra Pradesh	9845	0	200.4	112.4	-0.3	514	0.00
	Telangana	7825	0	162.0	48.2	-0.5	383	0.00
	Karnataka	10267	0	208.9	67.3	-0.5	542	0.00
	Kerala	3697	0	78.6	51.1	0.1	229	0.00
	Tamil Nadu	15539	0	353.5	244.5	1.4	543	0.00
	Puducherry	449	0	9.4	9.5	-0.1	42	0.00
	Bihar	5317	0	94.5	88.7	-0.4	273	0.00
ER	DVC	2686	0	56.8	-45.6	-0.9	272	0.00
	Jharkhand	1144	0	21.9	19.6	-3.0	106	0.00
	Odisha	4663	0	93.3	26.8	0.0	322	0.00
	West Bengal	7150	0	131.1	11.9	-1.8	284	0.00
	Sikkim	68	0	0.8	1.1	-0.3	50	0.00
NER	Arunachal Pradesh	130	1	2.2	2.6	-0.4	15	0.01
	Assam	1494	0	24.7	20.5	-0.2	175	0.00
	Manipur	171	1	2.5	2.5	0.0	27	0.01
	Meghalaya	334	0	5.5	4.4	0.1	45	0.00
	Mizoram	100	1	1.6	1.6	-0.1	13	0.01
	Nagaland	132	1	2.2	2.3	-0.1	7	0.01
	Tripura	261	0	4.8	4.3	0.0	67	0.04

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	19.3	-10.8	-23.6
Day Peak (MW)	1105.0	-569.9	-1001.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	214.8	-259.8	171.7	-126.7	-0.1	0.0
Actual(MU)	203.7	-247.4	178.5	-136.4	-0.8	-2.4
O/D/U/D(MU)	-11.2	12.3	6.8	-9.6	-0.8	-2.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	5547	18337	7252	318	913	32367	45
State Sector	11770	14807	8665	3765	11	39018	55
Total	17317	33144	15917	4083	925	71385	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	518	1267	507	501	10	2803	72
Lignite	19	8	49	0	0	76	2
Hydro	196	62	76	66	16	414	11
Nuclear	31	28	59	0	0	118	3
Gas, Naptha & Diesel	28	52	13	0	24	116	3
RES (Wind, Solar, Biomass & Others)	88	113	148	5	0	355	9
Total	880	1529	852	572	50	3883	100
Share of RES in total generation (%)	9.98	7.42	17.37	0.95	0.32	9.14	
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	35.75	13.28	33.18	12.41	31.66	22.85	

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.049
Based on State Max Demands	1.076

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: 07-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	5.9	-5.9
3	765 kV	GAYAVARANASI	2	0	897	0.0	13.7	-13.7
4	765 kV	SASARAM-FATEHPUR	1	0	361	0.0	5.6	-5.6
5	765 kV	GAYA-BALIA	1	0	454	0.0	7.5	-7.5
6	400 kV	PUSAULI-VARANASI	1	0	201	0.0	3.8	-3.8
7	400 kV	PUSAULI-ALLAHABAD	1	0	128	0.0	2.0	-2.0
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	765	0.0	12.9	-12.9
9	400 kV	PATNA-BALIA	4	0	1135	0.0	20.1	-20.1
10	400 kV	BIHARSHARIFF-BALIA	2	0	405	0.0	6.8	-6.8
11	400 kV	MOTHARI-GORAKHPUR	2	0	486	0.0	8.6	-8.6
12	400 kV	BIHARSHARIFF-VARANASI	2	0	395	0.0	6.1	-6.1
13	220 kV	PUSAULI-SAHUPURI	1	31	119	0.0	1.2	-1.2
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	93.7	-93.2
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	1454	0	19.7	0.0	19.7
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	353	985	0.0	5.7	-5.7
3	765 kV	JHARSUGUDA-DURG	2	29	203	0.0	2.0	-2.0
4	400 kV	JHARSUGUDA-RAIGARH	4	202	215	0.0	1.0	-1.0
5	400 kV	RANCHI-SIPAT	2	103	262	0.0	1.5	-1.5
6	220 kV	BUDHIPADAR-RAIGARH	1	0	105	0.0	1.6	-1.6
7	220 kV	BUDHIPADAR-KORBA	2	169	0	2.5	0.0	2.5
						ER-WR	22.2	11.6
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	405	0.0	8.9	-8.9
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1988	0.0	47.9	-47.9
3	765 kV	ANGUL-SRIKAKULAM	2	0	3016	0.0	52.4	-52.4
4	400 kV	TALCHER-I/C	2	0	702	0.0	11.1	-11.1
5	220 kV	BALIMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0
						ER-SR	109.2	-109.2
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	344	0	5.5	0.0	5.5
2	400 kV	ALIPURDUAR-BONGAIGAON	2	485	0	6.9	0.0	6.9
3	220 kV	ALIPURDUAR-SALAKATI	2	73	0	0.8	0.0	0.8
						ER-NER	13.1	0.0
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	490	0	11.8	0.0	11.8
						NER-NR	11.8	0.0
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	2051	0.0	40.0	-40.0
2	HVDC	VINDHYACHAL B/B	-	163	250	0.0	2.0	-2.0
3	HVDC	MUNDA-MOHINDERGARH	2	0	1919	0.0	43.9	-43.9
4	765 kV	GWALIOR-AGRA	2	0	1941	0.0	30.8	-30.8
5	765 kV	PHAGI-GWALIOR	2	0	1450	0.0	26.0	-26.0
6	765 kV	JABALPUR-ORAI	2	0	772	0.0	22.9	-22.9
7	765 kV	GWALIOR-ORAI	1	635	0	11.8	0.0	11.8
8	765 kV	SATNA-ORAI	1	0	1322	0.0	27.3	-27.3
9	765 kV	CHITORGARH-BANASKANTHA	2	1215	0	20.2	0.0	20.2
10	400 kV	ZERDA-KANKROLI	1	306	0	5.3	0.0	5.3
11	400 kV	ZERDA-BHINMAL	1	565	0	7.5	0.0	7.5
12	400 kV	VINDHYACHAL-RIHAND	1	963	0	21.9	0.0	21.9
13	400 kV	RAPP-SHUALPUR	2	214	313	0.6	2.0	-1.4
14	220 kV	BHANPUR-RANPUR	1	0	109	0.0	1.6	-1.6
15	220 kV	BHANPUR-MORAK	1	0	30	0.0	1.4	-1.4
16	220 kV	MEHGAON-AURAIYA	1	87	0	0.4	0.0	0.3
17	220 kV	MALANPUR-AURAIYA	1	59	13	0.9	0.0	0.9
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	68.6	197.9
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	0	816	0.0	15.3	-15.3
2	HVDC	RAIGARH-PUGALUR	2	0	2509	0.0	51.6	-51.6
3	765 kV	SOLAPUR-RAICHUR	2	708	2098	1.3	18.8	-17.4
4	765 kV	WARDHA-NIZAMABAD	2	0	2015	0.0	27.8	-27.8
5	400 kV	KOLHAPUR-KUDGI	2	525	222	3.6	0.7	2.9
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	1.8	0.0	1.8
						WR-SR	6.8	114.1

INTERNATIONAL EXCHANGES

State	Region	Line Name	Max (MW)	Min (MW)	Avg (MW)	Energy Exchange (MU)
BHUTAN	ER	400KV MANGDECHHU-ALIPURDUAR I&2 i.e. ALIPURDUAR RECEIPT (from MANGDECHHU HEP 4*180MW)	374	0	295	7.1
	ER	400KV TALA-BINAGURI I,2,4 (& 400KV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW))	583	252	399	9.6
	ER	220KV CHUKHA-BIRPARA I&2 (& 220KV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	153	74	94	2.3
	NER	132KV-GEYLEGPHU - SALAKATI	19	-5	5	0.1
	NER	132KV Motanga-Rangia	-24	-15	-21	-0.5
NEPAL	NR	132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG)	-75	0	-67	-1.6
	ER	400KV-MUZAFFARPUR - DHALKEBAR DC	-330	-257	-306	-7.3
	ER	132KV-BIHAR - NEPAL	-165	-2	-79	-1.9
BANGLADESH	ER	BHERAMARA HVDC(BANGLADESH)	-856	-852	-852	-20.5
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	72	0	-66	-1.6
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	73	0	-66	-1.6