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: 3rd 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 02.05.2021.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 02-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 02nd 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:** **03-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)	45557	45910	39387	18264	2542	151660
Peak Shortage (MW)	140	0	0	0	3	143
Energy Met (MU)	1063	1175	962	440	46	3686
Hydro Gen (MU)	158	37	59	36	10	299
Wind Gen (MU)	22	45	21	-	-	88
Solar Gen (MU)*	37.36	32.20	102.42	4.91	0.13	177
Energy Shortage (MU)	6.40	0.00	0.00	0.00	0.04	6.44
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	49737	52415	43802	21191	2766	161149
Time Of Maximum Demand Met (From NLDC SCADA)	00:00	14:34	11:39	00:01	19:01	12:27

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	0.030	0.00	0.00	3.11	3.11	70.71	26.18

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	6524	0	150.3	82.2	-0.6	267	0.00
	Haryana	6901	0	137.3	101.6	-0.2	178	0.00
	Rajasthan	10595	0	213.2	52.8	-1.2	404	0.00
	Delhi	4023	0	80.0	62.7	-1.3	119	0.00
	UP	18069	0	365.7	155.0	-3.1	454	0.00
	Uttarakhand	1541	0	33.7	15.3	0.8	146	0.00
	HP	1353	0	26.1	8.1	0.8	137	0.00
	J&K(UT) & Ladakh(UT)	2453	0	51.5	33.8	0.3	317	6.40
	Chandigarh	223	0	4.8	4.9	0.0	17	0.00
WR	Chhattisgarh	3950	0	92.2	30.4	-0.5	317	0.00
	Gujarat	16422	0	353.6	122.9	-0.5	601	0.00
	MP	9609	0	211.2	129.7	-2.1	566	0.00
	Maharashtra	21622	0	472.3	151.1	-4.4	880	0.00
	Goa	495	0	9.4	9.2	0.0	56	0.00
	DD	228	0	5.0	5.0	0.0	23	0.00
	DNH	647	0	15.1	15.1	0.0	65	0.00
	AMNSIL	746	0	15.9	1.2	0.1	299	0.00
SR	Andhra Pradesh	9715	0	196.7	101.9	0.8	828	0.00
	Telangana	7761	0	166.0	49.8	-0.3	503	0.00
	Karnataka	9852	0	198.3	62.4	-0.4	683	0.00
	Kerala	3635	0	74.2	54.7	0.5	296	0.00
	Tamil Nadu	13830	0	319.1	213.4	-0.4	398	0.00
	Puducherry	397	0	8.2	8.6	-0.5	34	0.00
ER	Bihar	5459	0	103.9	97.4	0.0	480	0.00
	DVC	2732	0	60.2	-50.3	-0.4	282	0.00
	Jharkhand	1319	0	26.0	22.5	-1.6	150	0.00
	Odisha	5001	0	104.3	37.5	-0.9	422	0.00
	West Bengal	7684	0	144.7	21.6	-3.6	674	0.00
	Sikkim	57	0	0.8	1.0	-0.2	28	0.00
NER	Arunachal Pradesh	133	2	2.1	2.3	-0.3	12	0.01
	Assam	1618	0	28.3	24.5	0.2	139	0.00
	Manipur	191	1	2.4	2.5	-0.2	19	0.01
	Meghalaya	287	0	5.3	4.6	0.0	42	0.00
	Mizoram	93	1	1.4	1.6	-0.2	13	0.01
	Nagaland	126	1	2.1	2.0	0.0	17	0.01
	Tripura	227	0	4.3	3.8	-0.3	78	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	5.8	-13.9	-25.5
Day Peak (MW)	301.0	-782.6	-1108.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	240.5	-287.5	132.6	-94.8	9.2	0.0
Actual(MU)	236.4	-292.3	140.7	-96.2	8.5	-2.9
O/D/U/D(MU)	-4.1	-4.9	8.2	-1.4	-0.7	-2.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	5377	15317	7202	648	947	29491	43
State Sector	13410	14090	7995	4255	11	39761	57
Total	18787	29407	15197	4903	958	69252	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	521	1292	511	539	11	2874	76
Lignite	19	8	48	0	0	75	2
Hydro	158	37	59	36	10	299	8
Nuclear	26	28	59	0	0	113	3
Gas, Naptha & Diesel	34	46	11	0	23	113	3
RES (Wind, Solar, Biomass & Others)	81	78	150	5	0	314	8
Total	839	1489	838	579	43	3788	100

Share of RES in total generation (%)	9.67	5.21	17.89	0.85	0.30	8.28
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	31.59	9.59	31.98	6.99	22.64	19.17

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.054
Based on State Max Demands	1.089

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: 03-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	GAYA-VARANASI	2	0	705	0.0	10.9	-10.9
4	765 kV	SASARAM-FATEHPUR	1	65	214	0.0	2.5	-2.5
5	765 kV	GAYA-BALIA	1	0	554	0.0	10.0	-10.0
6	400 kV	PUSAULI-VARANASI	1	0	222	0.0	4.7	-4.7
7	400 kV	PUSAULI -ALLAHABAD	1	0	87	0.0	1.3	-1.3
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	544	0.0	7.2	-7.2
9	400 kV	PATNA-BALIA	4	0	1068	0.0	18.2	-18.2
10	400 kV	BIHARSHARIFF-BALIA	2	0	299	0.0	4.8	-4.8
11	400 kV	MOTIHARI-GORAKHPUR	2	0	372	0.0	5.8	-5.8
12	400 kV	BIHARSHARIFF-VARANASI	2	0	289	0.0	3.9	-3.9
13	220 kV	PUSAULI-SAHUPURI	1	0	116	0.0	1.6	-1.6
14	132 kV	SONE NAGAR-RIHAND	1	0	0	0.0	0.0	0.0
15	132 kV	GARWAH-RIHAND	1	20	0	0.6	0.0	0.6
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	0.6	76.5	-75.9
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	1342	0	20.8	0.0	20.8
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1006	132	11.2	0.0	11.2
3	765 kV	JHARSUGUDA-DURG	2	89	104	0.0	0.1	-0.1
4	400 kV	JHARSUGUDA-RAIGARH	4	146	204	0.0	0.2	-0.2
5	400 kV	RANCHI-SIPAT	2	284	29	3.0	0.0	3.0
6	220 kV	BUDHIPADAR-RAIGARH	1	0	119	0.0	1.9	-1.9
7	220 kV	BUDHIPADAR-KORBA	2	144	0	2.5	0.0	2.5
					ER-WR	37.5	2.2	35.3
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	526	0.0	10.2	-10.2
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1980	0.0	45.0	-45.0
3	765 kV	ANGUL-SRIKAKULAM	2	0	2815	0.0	52.3	-52.3
4	400 kV	TALCHER-I/C	2	181	283	0.0	2.4	-2.4
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
					ER-SR	0.0	107.5	-107.5
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	189	84	1.3	0.0	1.3
2	400 kV	ALIPURDUAR-BONGAIGAON	2	299	92	2.1	0.0	2.1
3	220 kV	ALIPURDUAR-SALAKATI	2	37	33	0.1	0.0	0.1
					ER-NER	3.5	0.0	3.5
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	494	0	11.9	0.0	11.9
					NER-NR	11.9	0.0	11.9
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	0	0.0	44.4	-44.4
2	HVDC	VINDHYACHAL B/B	-	0	251	0.0	6.0	-6.0
3	HVDC	MUNDRA-MOHINDERGARH	2	0	1921	0.0	48.4	-48.4
4	765 kV	GWALIOR-AGRA	2	0	2648	0.0	48.2	-48.2
5	765 kV	PHAGI-GWALIOR	2	0	1267	0.0	24.2	-24.2
6	765 kV	JABALPUR-ORAI	2	0	922	0.0	33.4	-33.4
7	765 kV	GWALIOR-ORAI	1	583	0	11.7	0.0	11.7
8	765 kV	SATNA-ORAI	1	0	1418	0.0	30.3	-30.3
9	765 kV	CHITORGARH-BANASKANTHA	2	1006	0	16.0	0.0	16.0
10	400 kV	ZERDA-KANKROLI	1	301	0	5.0	0.0	5.0
11	400 kV	ZERDA -BHINMAL	1	501	0	6.8	0.0	6.8
12	400 kV	VINDHYACHAL -RIHAND	1	967	0	22.6	0.0	22.6
13	400 kV	RAPP-SHUJALPUR	2	0	400	0.0	5.7	-5.7
14	220 kV	BHANPURA-RANPUR	1	0	82	0.0	1.2	-1.2
15	220 kV	BHANPURA-MORAK	1	0	30	0.0	1.0	-1.0
16	220 kV	MEHGAON-AURAIYA	1	56	25	0.1	0.3	-0.3
17	220 kV	MALANPUR-AURAIYA	1	26	45	0.4	0.1	0.3
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	62.6	243.1	-180.6
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	0	518	0.0	10.2	-10.2
2	HVDC	RAIGARH-PUGALUR	2	0	2001	0.0	28.4	-28.4
3	765 kV	SOLAPUR-RAICHUR	2	961	1859	0.0	15.5	-15.5
4	765 kV	WARDHA-NIZAMABAD	2	0	1957	0.0	27.8	-27.8
5	400 kV	KOLHAPUR-KUDGI	2	583	157	3.9	0.0	3.9
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	83	1.6	0.0	1.6
					WR-SR	5.5	81.9	-76.4

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 MANGDECHU HEP 4*180MW)	162	0	138	3.3
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	119	0	110	2.6
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	17	0	-14	-0.3
	NER	132KV-GEYLEGPHU - SALAKATI	24	0	5	0.1
	NER	132kV Motanga-Rangia	-21	0	-10	-0.2
NEPAL	NR	132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG)	-77	0	-71	-1.7
	ER	400KV-MUZAFFARPUR - DHALKEBAR DC	-412	-219	-338	-8.1
	ER	132KV-BIHAR - NEPAL	-294	-65	-172	-4.1
BANGLADESH	ER	BHERAMARA HVDC(BANGLADESH)	-938	-924	-930	-22.3
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	85	0	-66	-1.6
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	85	0	-66	-1.6