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: 26th Apr 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 25.04.2021.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 25-अप्रैल-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 25th April 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: 26-Apr-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)	45180	49244	39882	22945	2757	160008
Peak Shortage (MW)	350	0	0	0	76	426
Energy Met (MU)	947	1268	982	504	49	3749
Hydro Gen (MU)	139	44	70	42	8	303
Wind Gen (MU)	15	47	26	-	-	88
Solar Gen (MU)*	53.25	39.56	108.03	4.94	0.21	206
Energy Shortage (MU)	6.40	0.00	0.00	0.00	1.29	7.69
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	46345	55652	43780	24128	2991	165320
Time Of Maximum Demand Met (From NLDC SCADA)	19:56	15:02	12:38	21:47	18:52	22:32

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	0.19	5.93	6.11	74.37	19.52

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	5619	0	109.5	60.1	-1.7	206	0.00
	Haryana	6198	0	119.5	90.6	-0.4	118	0.00
	Rajasthan	10497	0	209.3	44.6	-0.2	410	0.00
	Delhi	2937	0	61.1	44.9	-1.1	15	0.00
	UP	18306	0	334.3	115.7	-0.5	456	0.00
	Uttarakhand	1587	0	33.6	15.9	0.6	190	0.00
	HP	1333	0	26.0	12.6	-1.0	157	0.00
	J&K(UT) & Ladakh(UT)	2534	350	51.2	37.3	0.8	337	6.40
	Chandigarh	160	0	2.9	3.0	-0.1	27	0.00
WR	Chhattisgarh	4293	0	103.1	41.9	-0.6	171	0.00
	Gujarat	16755	0	362.9	130.6	-0.9	598	0.00
	MP	10435	0	226.9	119.1	-2.2	746	0.00
	Maharashtra	23396	0	525.0	180.0	-4.8	529	0.00
	Goa	507	0	10.6	10.4	-0.3	118	0.00
	DD	279	0	6.0	6.0	0.0	15	0.00
	DNH	746	0	16.4	16.7	-0.3	111	0.00
	AMNSIL	786	0	16.9	1.2	0.1	286	0.00
SR	Andhra Pradesh	9340	0	195.8	87.1	0.3	446	0.00
	Telangana	8654	0	183.7	79.3	-0.4	497	0.00
	Karnataka	9980	0	200.2	54.1	0.1	530	0.00
	Kerala	3489	0	72.3	54.8	0.4	227	0.00
	Tamil Nadu	13947	0	321.1	209.8	3.6	1028	0.00
	Puducherry	420	0	8.5	8.6	-0.1	50	0.00
ER	Bihar	5832	0	116.8	103.2	5.3	392	0.00
	DVC	3032	0	66.8	-42.3	0.0	214	0.00
	Jharkhand	1637	0	29.8	26.6	-2.1	138	0.00
	Odisha	5423	0	113.8	45.4	-1.5	365	0.00
	West Bengal	8874	0	175.7	38.7	0.5	448	0.00
	Sikkim	62	0	0.9	1.4	-0.5	4	0.00
NER	Arunachal Pradesh	141	1	2.2	2.1	0.1	51	0.01
	Assam	1763	0	31.4	26.7	0.6	153	0.00
	Manipur	193	2	2.5	2.5	0.0	37	0.02
	Meghalaya	255	0	4.4	1.9	0.8	80	1.23
	Mizoram	100	2	1.6	1.5	0.0	16	0.02
	Nagaland	138	0	2.2	2.0	0.1	33	0.01
	Tripura	295	2	4.8	5.1	0.7	72	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	6.7	-17.8	-22.4
Day Peak (MW)	487.0	-837.5	-1731.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	148.6	-262.4	146.5	-48.3	15.7	0.0
Actual(MU)	129.3	-277.1	158.1	-38.5	20.7	-7.4
O/D/U/D(MU)	-19.3	-14.6	11.7	9.7	5.0	-7.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	5087	13413	8572	1148	947	29167	42
State Sector	13165	12940	9125	4605	77	39912	58
Total	18252	26353	17697	5753	1023	69079	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	512	1349	501	532	12	2906	76
Lignite	21	11	44	0	0	76	2
Hydro	139	44	70	42	8	303	8
Nuclear	32	31	54	0	0	116	3
Gas, Naptha & Diesel	34	38	11	0	14	96	3
RES (Wind, Solar, Biomass & Others)	94	87	160	5	0	346	9
Total	832	1560	839	579	34	3843	100

Share of RES in total generation (%)	11.32	5.59	19.02	0.86	0.62	9.01
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	31.83	10.39	33.82	8.07	23.49	19.91

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.046
Based on State Max Demands	1.088

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: 26-Apr-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	247	0.0	5.7	-5.7
3	765 kV	GAYA-VARANASI	2	275	398	0.0	3.2	-3.2
4	765 kV	SASARAM-FATEHPUR	1	254	85	0.7	0.0	0.7
5	765 kV	GAYA-BALIA	1	0	454	0.0	6.8	-6.8
6	400 kV	PUSAULI-VARANASI	1	0	263	0.0	5.5	-5.5
7	400 kV	PUSAULI -ALLAHABAD	1	7	50	0.0	0.4	-0.4
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	382	287	0.0	0.7	-0.7
9	400 kV	PATNA-BALIA	4	145	759	0.0	8.9	-8.9
10	400 kV	BIHARSHARIFF-BALIA	2	249	121	0.5	0.0	0.5
11	400 kV	MOTIHARI-GORAKHPUR	2	147	249	0.0	2.2	-2.2
12	400 kV	BIHARSHARIFF-VARANASI	2	229	130	0.0	0.0	0.0
13	220 kV	PUSAULI-SAHUPURI	1	60	96	0.0	0.8	-0.8
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	1.7	34.2	-32.5
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	1600	0	29.1	0.0	29.1
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1359	0	19.7	0.0	19.7
3	765 kV	JHARSUGUDA-DURG	2	170	86	1.4	0.0	1.4
4	400 kV	JHARSUGUDA-RAIGARH	4	253	101	2.0	0.0	2.0
5	400 kV	RANCHI-SIPAT	2	356	43	4.1	0.0	4.1
6	220 kV	BUDHIPADAR-RAIGARH	1	0	141	0.0	2.1	-2.1
7	220 kV	BUDHIPADAR-KORBA	2	164	0	2.4	0.0	2.4
					ER-WR	58.6	2.1	56.6
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	529	0.0	11.3	-11.3
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1977	0.0	38.6	-38.6
3	765 kV	ANGUL-SRIKAKULAM	2	0	2788	0.0	53.5	-53.5
4	400 kV	TALCHER-I/C	2	421	240	5.3	0.0	5.3
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
					ER-SR	0.0	103.3	-103.3
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	6	319	0.0	3.3	-3.3
2	400 kV	ALIPURDUAR-BONGAIGAON	2	11	461	0.0	4.9	-4.9
3	220 kV	ALIPURDUAR-SALAKATI	2	0	93	0.0	1.1	-1.1
					ER-NER	0.0	9.3	-9.3
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	491	0	11.8	0.0	11.8
					NER-NR	11.8	0.0	11.8
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	0	0.0	24.5	-24.5
2	HVDC	VINDHYACHAL B/B	-	166	0	4.8	0.0	4.8
3	HVDC	MUNDRA-MOHINDERGARH	2	0	1457	0.0	34.8	-34.8
4	765 kV	GWALIOR-AGRA	2	0	2631	0.0	44.5	-44.5
5	765 kV	PHAGI-GWALIOR	2	0	1429	0.0	26.3	-26.3
6	765 kV	JABALPUR-ORAI	2	0	908	0.0	29.8	-29.8
7	765 kV	GWALIOR-ORAI	1	663	0	12.1	0.0	12.1
8	765 kV	SATNA-ORAI	1	0	1454	0.0	29.6	-29.6
9	765 kV	CHITORGARH-BANASKANTHA	2	1452	0	21.3	0.0	21.3
10	400 kV	ZERDA-KANKROLI	1	376	0	4.6	0.0	4.6
11	400 kV	ZERDA -BHINMAL	1	528	0	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	85	353	0.2	2.9	-2.8
14	220 kV	BHANPURA-RANPUR	1	6	66	0.0	0.7	-0.7
15	220 kV	BHANPURA-MORAK	1	0	30	0.1	0.4	-0.3
16	220 kV	MEHGAON-AURAIYA	1	86	12	0.2	0.2	0.1
17	220 kV	MALANPUR-AURAIYA	1	52	32	0.6	0.0	0.6
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	74.3	193.7	-119.4
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	0	711	0.0	12.9	-12.9
2	HVDC	RAIGARH-PUGALUR	2	0	2015	0.0	38.5	-38.5
3	765 kV	SOLAPUR-RAICHUR	2	680	2009	1.6	21.6	-20.0
4	765 kV	WARDHA-NIZAMABAD	2	0	2270	0.0	36.8	-36.8
5	400 kV	KOLHAPUR-KUDGI	2	804	127	6.4	0.1	6.4
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	1.4	0.0	1.4
					WR-SR	9.5	109.9	-100.4

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)	317	0	155	3.7
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	116	84	84	2.0
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	32	0	3	0.1
	NER	132KV-GEYLEGPHU - SALAKATI	38	14	23	0.5
	NER	132kV Motanga-Rangia	-16	0	-5	-0.1
NEPAL	NR	132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG)	-79	0	-74	-1.8
	ER	400KV-MUZAFFARPUR - DHALKEBAR DC	-408	-296	-364	-8.7
	ER	132KV-BIHAR - NEPAL	-350	-251	-303	-7.3
BANGLADESH	ER	BHERAMARA HVDC(BANGLADESH)	-858	-740	-819	-19.7
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	80	0	-56	-1.4
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	793	0	-56	-1.4