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: 06th 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 05.04.2021.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 05-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 05th 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:** **06-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)	48100	55945	48172	23546	2533	178296
Peak Shortage (MW)	1298	0	0	0	69	1367
Energy Met (MU)	963	1360	1231	473	44	4070
Hydro Gen (MU)	107	49	95	36	7	293
Wind Gen (MU)	34	71	36	-	-	141
Solar Gen (MU)*	47.50	39.66	102.58	5.40	0.22	195
Energy Shortage (MU)	10.64	0.00	0.00	0.00	3.07	13.71
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	48938	59890	57866	23703	2682	178891
Time Of Maximum Demand Met (From NLDC SCADA)	19:52	15:29	14:52	20:01	18:25	10:27

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	0.083	0.00	4.51	18.02	22.53	67.08	10.39

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	5591	0	118.4	60.6	-1.1	191	2.16
	Haryana	6473	171	119.7	94.1	0.3	225	0.83
	Rajasthan	10022	0	208.6	9.5	-0.3	479	0.00
	Delhi	3736	0	76.8	61.0	-1.2	160	0.00
	UP	18408	0	321.9	118.7	-1.0	546	0.30
	Uttarakhand	1799	0	36.6	23.5	1.3	338	0.95
	HP	1528	0	28.5	20.5	0.4	153	0.00
	J&K(UT) & Ladakh(UT)	2542	350	48.9	39.8	0.3	338	6.40
	Chandigarh	181	0	3.4	3.5	-0.1	23	0.00
WR	Chhattisgarh	4742	0	114.2	53.5	-0.1	243	0.00
	Gujarat	18767	0	400.8	104.0	-0.5	590	0.00
	MP	10989	0	231.3	118.1	-2.1	911	0.00
	Maharashtra	25614	0	556.1	178.7	-1.8	601	0.00
	Goa	561	0	12.1	11.3	0.2	131	0.00
	DD	339	0	7.4	7.2	0.2	30	0.00
	DNH	844	0	19.5	19.5	0.0	45	0.00
	AMNSIL	877	0	18.3	1.2	0.1	333	0.00
SR	Andhra Pradesh	11402	0	222.6	107.7	-0.3	884	0.00
	Telangana	12953	0	272.3	137.0	0.2	589	0.00
	Karnataka	13842	0	276.0	93.6	2.0	897	0.00
	Kerala	4218	0	87.8	57.8	0.1	233	0.00
	Tamil Nadu	16339	0	363.1	216.1	1.8	667	0.00
	Puducherry	413	0	9.0	9.2	-0.2	28	0.00
ER	Bihar	5391	0	97.6	90.0	-1.6	325	0.00
	DVC	3234	0	69.8	-48.3	-0.5	243	0.00
	Jharkhand	1532	0	28.5	21.8	-2.0	135	0.00
	Odisha	5617	0	112.6	56.4	-0.8	468	0.00
	West Bengal	8522	0	163.8	31.8	-0.8	363	0.00
	Sikkim	76	0	1.1	1.5	-0.5	9	0.00
NER	Arunachal Pradesh	118	4	2.0	1.9	0.0	0	0.01
	Assam	1568	42	26.4	20.2	0.3	113	3.00
	Manipur	198	3	2.5	2.5	0.0	36	0.01
	Meghalaya	343	0	5.4	3.1	-0.2	51	0.00
	Mizoram	108	4	1.7	1.6	0.0	17	0.01
	Nagaland	116	3	1.9	1.9	0.0	23	0.01
	Tripura	252	7	3.7	3.0	0.1	54	0.03

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	2.5	-14.5	-19.6
Day Peak (MW)	336.0	-736.0	-998.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	147.5	-301.3	221.7	-70.6	2.7	0.0
Actual(MU)	132.1	-291.9	224.8	-78.3	2.4	-10.8
O/D/U/D(MU)	-15.3	9.4	3.1	-7.7	-0.3	-10.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	5199	14573	7142	2253	1382	30548	44
State Sector	15467	12181	6316	4953	11	38927	56
Total	20666	26753	13458	7206	1393	69475	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	553	1436	653	540	15	3197	77
Lignite	25	9	36	0	0	70	2
Hydro	107	49	95	36	7	293	7
Nuclear	26	28	46	0	0	101	2
Gas, Naptha & Diesel	33	46	13	0	24	117	3
RES (Wind, Solar, Biomass & Others)	102	110	174	5	0	392	9
Total	846	1680	1016	581	46	4170	100

Share of RES in total generation (%)	12.09	6.57	17.11	0.94	0.48	9.41
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	27.82	11.20	30.99	7.09	15.09	18.87

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.079
Based on State Max Demands	1.114

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: 06-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	249	0.0	6.3	-6.3
3	765 kV	GAYA-VARANASI	2	75	443	0.0	6.0	-6.0
4	765 kV	SASARAM-FATEHPUR	1	99	215	0.0	2.3	-2.3
5	765 kV	GAYA-BALIA	1	0	345	0.0	5.4	-5.4
6	400 kV	PUSAULI-VARANASI	1	0	244	0.0	4.8	-4.8
7	400 kV	PUSAULI -ALLAHABAD	1	0	99	0.0	1.2	-1.2
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	290	403	0.0	2.7	-2.7
9	400 kV	PATNA-BALIA	4	0	857	0.0	15.5	-15.5
10	400 kV	BIHARSHARIFF-BALIA	2	82	202	0.0	2.6	-2.6
11	400 kV	MOTIHARI-GORAKHPUR	2	0	344	0.0	4.8	-4.8
12	400 kV	BIHARSHARIFF-VARANASI	2	85	212	0.0	3.0	-3.0
13	220 kV	PUSAULI-SAHUPURI	1	10	105	0.0	1.5	-1.5
14	132 kV	SONE NAGAR-RIHAND	1	0	0	0.0	0.0	0.0
15	132 kV	GARWAH-RIHAND	1	20	0	0.3	0.0	0.3
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	0.3	56.0	-55.7
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	1940	0	32.2	0.0	32.2
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1008	563	4.6	0.0	4.6
3	765 kV	JHARSUGUDA-DURG	2	331	162	0.2	0.0	0.2
4	400 kV	JHARSUGUDA-RAIGARH	4	207	259	0.0	1.8	-1.8
5	400 kV	RANCHI-SIPAT	2	239	209	0.0	0.9	-0.9
6	220 kV	BUDHIPADAR-RAIGARH	1	0	156	0.0	2.5	-2.5
7	220 kV	BUDHIPADAR-KORBA	2	156	0	2.6	0.0	2.6
					ER-WR	39.6	5.2	34.5
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	410	0.0	8.7	-8.7
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	2473	0.0	50.3	-50.3
3	765 kV	ANGUL-SRIKAKULAM	2	0	3067	0.0	58.8	-58.8
4	400 kV	TALCHER-I/C	2	0	661	0.0	5.2	-5.2
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
					ER-SR	0.0	117.8	-117.8
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	312	50	2.7	0.0	2.7
2	400 kV	ALIPURDUAR-BONGAIGAON	2	542	53	5.5	0.0	5.5
3	220 kV	ALIPURDUAR-SALAKATI	2	97	6	1.0	0.0	1.0
					ER-NER	9.2	0.0	9.2
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	475	0	11.7	0.0	11.7
					NER-NR	11.7	0.0	11.7
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	1507	0.0	37.1	-37.1
2	HVDC	VINDHYACHAL B/B	-	251	0	7.2	0.0	7.2
3	HVDC	MUNDRA-MOHINDERGARH	2	0	1921	0.0	44.4	-44.4
4	765 kV	GWALIOR-AGRA	2	0	2410	0.0	37.1	-37.1
5	765 kV	PHAGI-GWALIOR	2	0	935	0.0	12.3	-12.3
6	765 kV	JABALPUR-ORAI	2	48	742	0.0	19.5	-19.5
7	765 kV	GWALIOR-ORAI	1	565	0	10.2	0.0	10.2
8	765 kV	SATNA-ORAI	1	0	1374	0.0	26.9	-26.9
9	765 kV	CHITORGARH-BANASKANTHA	2	1337	0	17.5	0.0	17.5
10	400 kV	ZERDA-KANKROLI	1	401	0	6.1	0.0	6.1
11	400 kV	ZERDA -BHINMAL	1	683	0	10.7	0.0	10.7
12	400 kV	VINDHYACHAL -RIHAND	1	995	0	22.1	0.0	22.1
13	400 kV	RAPP-SHUJALPUR	2	290	290	1.8	1.2	0.6
14	220 kV	BHANPURA-RANPUR	1	54	78	0.3	0.4	-0.1
15	220 kV	BHANPURA-MORAK	1	0	30	0.8	0.2	0.6
16	220 kV	MEHGAON-AURAIYA	1	126	0	0.8	0.0	0.8
17	220 kV	MALANPUR-AURAIYA	1	91	0	1.5	0.0	1.5
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	79.0	179.0	-100.0
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	0	1016	0.0	18.0	-18.0
2	HVDC	RAIGARH-PUGALUR	2	0	3018	0.0	68.3	-68.3
3	765 kV	SOLAPUR-RAICHUR	2	0	2108	0.0	31.4	-31.4
4	765 kV	WARDHA-NIZAMABAD	2	0	3387	0.0	56.0	-56.0
5	400 kV	KOLHAPUR-KUDGI	2	1024	0	14.4	0.0	14.4
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	0	91	1.8	0.0	1.8
					WR-SR	16.2	173.8	-157.6

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)	92	0	48	1.2
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	198	58	68	1.6
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	11	0	-11	-0.3
	NER	132KV-GEYLEGPHU - SALAKATI	7	-10	3	0.1
	NER	132kV Motanga-Rangia	29	-16	1	0.0
NEPAL	NR	132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG)	-68	0	-60	-1.4
	ER	400KV-MUZAFFARPUR - DHALKEBAR DC	-338	-171	-313	-7.5
	ER	132KV-BIHAR - NEPAL	-330	-155	-230	-5.5
BANGLADESH	ER	BHERAMARA HVDC(BANGLADESH)	-855	-392	-711	-17.1
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	72	0	-53	-1.3
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	71	0	-53	-1.3