



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: 02nd 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., 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 01.04.2021.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 01-अप्रैल-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 01st April 2021, is available at the NLDC website.

धन्यवाद,

Report for previous day

Date of Reporting

2-Apr-21

A. Power Supply Position at All India and Regional level

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs. from RLDCs)	47153	55110	48510	22865	2495	176133
Peak Shortage (MW)	400	0	0	0	82	482
Energy Met (MU)	907	1333	1239	478	41	3998
Hydro Gen (MU)	109	55	76	51	9	300
Wind Gen (MU)	9	57	84	-----	-----	150
Solar Gen (MU)*	53.97	41.91	119.39	5.19	0.17	221
Energy Shortage (MU)	7.69	0.00	0.00	0.00	2.74	10.43
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	47430 19:30	58101 11:22	57947 14:35	23090 19:51	2566 19:06	177208 19:26

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	0.076	0.00	4.02	16.62	20.64	67.22	12.14

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	5736	0	120.2	54.8	-0.6	146	0.00
	Haryana	6166	0	112.0	71.7	-0.7	275	0.00
	Rajasthan	10029	0	204.8	40.6	-2.2	215	0.00
	Delhi	3483	0	72.2	56.7	-1.6	93	0.00
	UP	17402	0	283.2	109.4	-2.3	845	0.09
	Uttarakhand	1713	0	33.1	25.6	0.0	207	0.00
	HP	1454	0	28.4	20.4	0.3	226	0.00
	J&K(UT) and Ladakh(UT)	2521	400	49.4	39.0	0.4	412	7.60
	Chandigarh	169	0	3.3	3.3	0.0	40	0.00
WR	Chhattisgarh	4670	0	110.8	48.9	-0.1	192	0.00
	Gujarat	18380	0	394.0	125.4	-1.4	522	0.00
	MP	10910	0	225.3	114.6	-2.5	367	0.00
	Maharashtra	24822	0	547.6	172.3	-2.5	663	0.00
	Goa	518	0	11.6	11.4	-0.3	71	0.00
	DD	317	0	7.1	7.0	0.1	23	0.00
	DNH	810	0	18.8	18.8	0.0	65	0.00
	AMNSIL	849	0	18.1	5.2	-0.3	315	0.00
	Andhra Pradesh	11472	0	226.1	113.2	-0.6	531	0.00
SR	Telangana	13595	0	280.0	147.0	-1.1	645	0.00
	Karnataka	13813	0	273.0	93.8	-1.2	689	0.00
	Kerala	3810	0	85.1	62.2	-0.6	221	0.00
	Tamil Nadu	16561	0	366.4	212.6	-1.7	676	0.00
	Puducherry	415	0	8.8	9.0	-0.2	44	0.00
	Bihar	5267	0	94.6	85.0	-1.2	566	0.00
	DVC	3292	0	69.4	-44.4	-0.6	281	0.00
	Jharkhand	1518	0	28.3	20.5	-0.9	113	0.00
	Odisha	4760	0	98.8	41.6	-0.4	363	0.00
ER	West Bengal	8946	0	186.0	42.2	-0.6	306	0.00
	Sikkim	77	0	1.0	1.6	-0.6	10	0.00
	Arunachal Pradesh	117	2	2.1	2.0	0.1	24	0.01
	Assam	1473	14	23.0	17.9	0.5	109	2.70
	Manipur	179	4	2.3	2.0	0.3	44	0.01
	Meghalaya	328	0	5.7	2.2	-0.3	48	0.00
	Mizoram	103	2	1.7	1.5	0.0	19	0.01
	Nagaland	118	2	2.0	1.7	0.3	25	0.01
	Tripura	257	1	3.9	2.5	-0.3	69	0.00

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	5.5	-13.8	-22.6
Day peak (MW)	384.0	-718.3	-978.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	144.6	-289.6	216.8	-72.5	0.6	0.0
Actual(MU)	118.3	-284.5	219.1	-63.1	4.5	-5.6
O/D/U/D(MU)	-26.3	5.1	2.3	9.3	3.9	-5.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5199	13623	5092	3018	1222	28153
State Sector	13702	11824	6706	3643	11	35885
Total	18901	25446	11798	6661	1233	64038

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	528	1395	633	522	13	3090
Lignite	23	11	42	0	0	75
Hydro	109	55	76	51	9	300
Nuclear	27	21	41	0	0	89
Gas, Naptha & Diesel	29	46	11	0	19	105
RES (Wind, Solar, Biomass & Others)	85	99	235	5	0	424
Total	800	1626	1038	579	41	4083

Share of RES in total generation (%)	10.60	6.07	22.64	0.90	0.42	10.38
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	27.57	10.74	33.92	9.79	21.89	19.91

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.067
Based on State Max Demands	1.106

Diversity factor = Sum of regional or state-wise maximum demands / All India maximum demand

*Source: RLDCs for solar connected to ISTS; SLDCs for embedded solar. Limited visibility of embedded solar data.

INTER-REGIONAL EXCHANGES

Date of Reporting : 2-Apr-21

Import=(+ve)
/Export =(-ve)
for NET (MU)

Sl No	Voltage Level	Line Details	Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
Import/Export of ER (With NR)								
4	HVDC	ALIPURDUAR-AGRA	D/C	0	0	0.0	0.0	0.0
5		PUSAULI B/B	-	0	249	0.0	5.9	-5.9
1	765kV	GAYA-VARANASI	D/C	167	386	0.0	3.6	-3.6
2		SASARAM-FATEHPUR	S/C	39	281	0.0	2.8	-2.8
3		GAYA-BALIA	S/C	0	288	0.0	3.5	-3.5
6	400 kV	PUSAULI-VARANASI	S/C	0	214	0.0	4.4	-4.4
7		PUSAULI -ALLAHABAD	S/C	0	108	0.0	1.5	-1.5
8		MUZAFFARPUR-GORAKHPUR	D/C	144	566	0.0	5.5	-5.5
9		PATNA-BALIA	Q/C	32	721	0.0	10.0	-10.0
10		BIHARSHARIFF-BALIA	D/C	66	279	0.0	3.2	-3.2
11		MOTIHARI-GORAKHPUR	D/C	79	252	0.0	2.3	-2.3
12		BIHARSHARIFF-VARANASI	D/C	0	240	0.0	2.1	-2.1
13	220 kV	PUSAULI-SAHUPURI	S/C	40	106	0.0	1.1	-1.1
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	20	0	0.3	0.0	0.3
16		KARMANASA-SAHUPURI	S/C	0	0	0.0	0.0	0.0
17		KARMANASA-CHANDAULI	S/C	0	50	0.0	0.1	-0.1
ER-NR						0.3	45.9	-45.6
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1975	0	33.1	0.0	33.1
19		NEW RANCHI-DHARAMJAIGARH	D/C	947	416	5.7	0.0	5.7
20		JHARSUGUDA-DURG	D/C	190	164	0.0	0.9	-0.9
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	108	240	0.0	1.9	-1.9
22		RANCHI-SIPAT	D/C	231	154	0.9	0.0	0.9
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	126	0.0	2.0	-2.0
24		BUDHIPADAR-KORBA	D/C	165	0	3.0	0.0	3.0
ER-WR						42.7	4.7	37.9
Import/Export of ER (With SR)								
26	HVDC	JEYPORE-GAZUWAKA B/B	-	0.0	405.0	0.0	8.6	-8.6
27		TALCHER-KOLAR BIPOLE	D/C	0.0	1984.0	0.0	47.9	-47.9
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	2971.0	0.0	57.4	-57.4
28	400 kV	TALCHER-I/C	D/C	0.0	578.0	0.0	3.4	-3.4
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	113.9	-113.9
Import/Export of ER (With NER)								
30	400 kV	BINAGURI-BONGAIGAON	D/C	266	89	2.5	0.0	3
31		ALIPURDUAR-BONGAIGAON	D/C	467	122	4.7	0.0	5
32	220 kV	ALIPURDUAR-SALAKATI	D/C	78	23	0.7	0.0	1
ER-NER						7.9	0.0	7.9
Import/Export of NER (With NR)								
33	HVDC	BISWANATH CHARIALI-AGRA	D/C	469	0	11.7	0.0	11.7
NER-NR						11.7	0.0	11.7
Import/Export of WR (With NR)								
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1804	0.0	31.8	-31.8
35		V'CHAL B/B	D/C	240	0	5.3	0.0	5.3
36		APL -MHG	D/C	0	1175	0.0	29.0	-29.0
37	765 kV	GWALIOR-AGRA	D/C	0	2474	0.0	35.9	-35.9
38		PHAGI-GWALIOR	D/C	0	1179	0.0	17.8	-17.8
39		JABALPUR-ORAI	D/C	0	834	0.0	21.4	-21.4
40		GWALIOR-ORAI	S/C	635	0	10.9	0.0	10.9
41		SATNA-ORAI	S/C	0	1394	0.0	26.8	-26.8
42		CHITTORGARH-BANASKANTHA	D/C	1487	0	17.9	0.0	17.9
43	400 kV	ZERDA-KANKROLI	S/C	418	0	5.5	0.0	5.5
44		ZERDA -BHINMAL	S/C	639	0	7.6	0.0	7.6
45		V'CHAL -RIHAND	S/C	981	0	22.6	0.0	22.6
46		RAPP-SHUJALPUR	D/C	213	377	1	3	-2
47	220 kV	BHANPURA-RANPUR	S/C	0	30	0.3	0.0	0.3
48		BHANPURA-MORAK	S/C	27	39	0.0	0.2	-0.2
49		MEHGAON-AURAIYA	S/C	125	0	0.9	0.0	0.9
50	132kV	MALANPUR-AURAIYA	S/C	90	0	1.5	0.0	1.5
51		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						73.2	165.6	-92.4
Import/Export of WR (With SR)								
52	HVDC	BHADRAWATI B/B	-	0	1016	0.0	21.7	-21.7
53		RAIGARH-PUGLUR	D/C	0	3000	0.0	65.0	-65.0
54	765 kV	SOLAPUR-RAICHUR	D/C	0	1616	0.0	24.8	-24.8
55		WARDHA-NIZAMABAD	D/C	0	3208	0.0	58.4	-58.4
56	400 kV	KOLHAPUR-KUDGI	D/C	883	0	15.4	0.0	15.4
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
58		PONDA-AMBEWADI	S/C	0	0	0.0	0.0	0.0
59		XELDEM-AMBEWADI	S/C	0	91	1.9	0.0	1.9
WR-SR						17.2	169.8	-152.6
TRANSNATIONAL EXCHANGE								
60		BHUTAN						5.5
61		NEPAL						-13.8
62		BANGLADESH						-22.6