



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: 15th Feb 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 14.02.2021.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 14-फरवरी -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 14th February 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: 15-Feb-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 19:00 hrs; from RLDCs)	45887	50271	40068	19018	2410	157654
Peak Shortage (MW)	550	27	0	0	30	607
Energy Met (MU)	965	1244	1013	386	41	3648
Hydro Gen (MU)	102	44	71	29	10	256
Wind Gen (MU)	2	23	25	-	-	51
Solar Gen (MU)*	43.13	35.37	109.53	4.55	0.15	193
Energy Shortage (MU)	11.24	0.80	0.00	0.00	2.25	14.29
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	49735	58992	51178	19233	2435	177539
Time Of Maximum Demand Met (From NLDC SCADA)	09:56	11:27	09:28	18:21	18:08	09:31

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	0.029	0.00	0.00	1.24	1.24	74.58	24.18

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	6135	0	118.8	60.9	-1.4	66	0.00	
	Haryana	5694	0	121.5	83.3	0.0	183	0.00	
	Rajasthan	13390	0	262.5	99.0	1.8	277	0.00	
	Delhi	3696	0	59.0	44.3	-2.0	116	0.00	
	UP	16053	0	280.2	89.2	0.2	337	0.04	
	Uttarakhand	2013	0	36.6	21.5	0.3	149	0.00	
	HP	1722	0	29.8	25.2	-0.2	116	0.00	
	J&K(UT) & Ladakh(UT)	2521	550	53.8	47.0	1.0	197	11.20	
WR	Chandigarh	200	0	3.1	3.3	-0.2	11	0.00	
	Chhattisgarh	4426	25	98.0	53.7	1.3	319	0.80	
	Gujarat	16327	0	344.3	136.6	-0.8	488	0.00	
	MP	14119	0	275.2	168.0	-2.8	339	0.00	
	Maharashtra	22803	0	472.9	154.3	-1.1	529	0.00	
	Goa	422	0	8.8	8.3	0.2	84	0.00	
	DD	307	0	6.9	6.8	0.1	18	0.00	
	DNH	832	0	19.4	19.4	0.0	34	0.00	
SR	AMNSIL	803	0	18.0	3.6	0.5	293	0.00	
	Andhra Pradesh	9432	0	186.7	61.0	0.0	492	0.00	
	Telangana	12592	0	240.4	135.7	1.9	841	0.00	
	Karnataka	12306	0	232.8	82.4	0.7	593	0.00	
	Kerala	3349	0	67.3	49.8	0.4	298	0.00	
	Tamil Nadu	12528	0	278.9	180.4	-1.0	459	0.00	
	Puducherry	317	0	6.7	7.1	-0.3	34	0.00	
	ER	Bihar	4673	0	84.7	75.9	-0.3	310	0.00
DVC		2943	0	64.5	-47.7	0.3	232	0.00	
Jharkhand		1436	0	26.1	19.5	-1.8	117	0.00	
Odisha		4434	0	85.8	14.4	-2.7	380	0.00	
West Bengal		6464	0	123.5	20.3	-0.1	403	0.00	
Sikkim		84	0	1.3	1.8	-0.5	3	0.00	
NER		Arumachal Pradesh	133	1	2.3	2.3	-0.1	34	0.01
		Assam	1392	12	23.3	18.5	0.0	116	0.50
	Manipur	212	2	2.8	3.1	-0.2	18	0.01	
	Meghalaya	330	0	4.8	3.5	0.0	66	1.71	
	Mizoram	112	2	1.6	1.5	-0.2	20	0.01	
	Nagaland	124	3	2.1	2.1	-0.1	14	0.01	
	Tripura	230	2	3.9	2.1	-0.1	22	0.00	

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	4.5	-12.9	-20.2
Day Peak (MW)	189.0	-696.9	-965.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	232.3	-240.2	135.7	-127.5	-0.3	0.0
Actual(MU)	227.4	-254.3	156.1	-134.4	-0.5	-5.6
OD/UD(MU)	-5.0	-14.1	20.5	-6.9	-0.2	-5.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	5696	11143	6312	805	680	24635	37
State Sector	12448	14148	10082	4935	11	41623	63
Total	18144	25290	16394	5740	691	66258	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	517	1311	524	519	6	2878	78
Lignite	22	7	42	0	0	72	2
Hydro	102	44	71	29	10	255	7
Nuclear	15	21	47	0	0	83	2
Gas, Naptha & Diesel	33	35	12	0	29	109	3
RES (Wind, Solar, Biomass & Others)	72	60	175	5	0	311	8
Total	761	1478	871	553	46	3708	100

Share of RES in total generation (%)	9.41	4.03	20.15	0.82	0.33	8.40
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	24.76	8.43	33.64	6.13	21.19	17.52

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.023
Based on State Max Demands	1.040

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: 15-Feb-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	251	0.0	6.2	-6.2
3	765 kV	GAYA-VARANASI	2	0	731	0.0	10.5	-10.5
4	765 kV	SASARAM-FATEHPUR	1	0	379	0.0	6.3	-6.3
5	765 kV	GAYA-BALIA	1	0	444	0.0	6.9	-6.9
6	400 kV	PUSAULI-VARANASI	1	0	200	0.0	4.3	-4.3
7	400 kV	PUSAULI -ALLAHABAD	1	0	101	0.0	1.7	-1.7
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	717	0.0	9.4	-9.4
9	400 kV	PATNA-BALIA	4	0	1046	0.0	18.2	-18.2
10	400 kV	BIHARSHARIFF-BALIA	2	0	389	0.0	6.2	-6.2
11	400 kV	MOTIHARI-GORAKHPUR	2	0	334	0.0	5.8	-5.8
12	400 kV	BIHARSHARIFF-VARANASI	2	0	217	0.0	2.0	-2.0
13	220 kV	PUSAULI-SAHUPURI	1	51	64	0.0	0.3	-0.3
14	132 kV	SONE NAGAR-RIHAND	1	0	0	0.0	0.0	0.0
15	132 kV	GARWAH-RIHAND	1	20	0	0.7	0.0	0.7
16	132 kV	KARMANASA-SAHUPURI	1	0	0	0.0	0.0	0.0
17	132 kV	KARMANASA-CHANDAUJI	1	0	0	0.0	0.0	0.0
						ER-NR	77.7	-77.1
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	934	0	14.6	0.0	14.6
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	847	447	2.9	0.0	2.9
3	765 kV	JHARSUGUDA-DURG	2	0	382	0.0	6.2	-6.2
4	400 kV	JHARSUGUDA-RAIGARH	4	3	374	0.0	4.7	-4.7
5	400 kV	RANCHI-SIPAT	2	178	191	0.0	0.8	-0.8
6	220 kV	BUDHIPADAR-RAIGARH	1	76	169	0.0	3.0	-3.0
7	220 kV	BUDHIPADAR-KORBA	2	71	117	0.1	0.0	0.1
						ER-WR	17.5	14.8
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	640	0.0	13.1	-13.1
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	2477	0.0	46.1	-46.1
3	765 kV	ANGUL-SRIKAKULAM	2	0	2855	0.0	52.2	-52.2
4	400 kV	TALCHER-I/C	2	0	1137	0.0	12.8	-12.8
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
						ER-SR	0.0	111.5
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	261	0	3.9	0.0	3.9
2	400 kV	ALIPURDUAR-BONGAIGAON	2	429	0	6.5	0.0	6.5
3	220 kV	ALIPURDUAR-SALAKATI	2	71	0	1.0	0.0	1.0
						ER-NER	11.5	0.0
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	488	0	11.6	0.0	11.6
						NER-NR	11.6	0.0
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	1507	0.0	39.5	-39.5
2	HVDC	VINDHYACHAL B/B	-	239	0	5.8	0.1	5.7
3	HVDC	MUNDA-MOHENDERGARH	2	0	1458	0.0	32.4	-32.4
4	765 kV	GWALIOR-AGRA	2	0	2427	0.0	37.4	-37.4
5	765 kV	PHAGI-GWALIOR	2	0	1534	0.0	25.0	-25.0
6	765 kV	JABALPUR-ORAI	2	829	948	0.0	30.1	-30.1
7	765 kV	GWALIOR-ORAI	1	734	0	12.5	0.0	12.5
8	765 kV	SATNA-ORAI	1	0	1323	0.0	26.1	-26.1
9	765 kV	CHITORGARH-BANASKANTHA	2	527	792	1.7	2.9	-1.2
10	400 kV	ZERDA-KANKROLI	1	146	123	0.8	0.0	0.8
11	400 kV	ZERDA -BHINMAL	1	129	356	0.0	2.2	-2.2
12	400 kV	VINDHYACHAL -RIHAND	1	490	0	11.1	0.0	11.1
13	400 kV	RAMP-SHILAPUR	1	84	503	0.0	4.7	-4.7
14	220 kV	BHANPURA-RANPUR	2	0	183	0.0	2.1	-2.1
15	220 kV	BHANPURA-MORAK	1	0	30	0.0	2.3	-2.3
16	220 kV	MEHGAON-AURAIYA	1	144	0	2.6	2.0	0.6
17	220 kV	MALANPUR-AURAIYA	1	95	7	2.3	0.0	2.3
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	1.0	-1.0
						WR-NR	36.8	207.8
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	0	1016	0.0	17.4	-17.4
2	HVDC	RAIGARH-PUGAUR	2	0	0	0.0	18.3	-18.3
3	765 kV	SOLAPUR-RAICHUR	2	1093	1887	0.0	18.8	-18.8
4	765 kV	WARDHA-NIZAMABAD	2	0	3023	0.0	41.8	-41.8
5	400 kV	KOLHAPUR-KUDGI	2	1167	0	14.6	0.0	14.6
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	53	1.3	0.0	1.3
						WR-SR	15.9	96.4
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 MANGDECHHU HEP 4*180MW)	108	0	99	2.4		
	ER	400KV TALA-BINAGURI 1,2,4 (& 400KV MALBASE - BINAGURI) I.e. BINAGURI RECEIPT (from TALA HEP 6*170MW)	94	0	90	2.2		
	ER	220KV CHUKHA-BIRPARA 1&2 (& 220KV MALBASE - BIRPARA) I.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	13	0	-4	-0.1		
	NER	132KV-GEYLEGPHU - SALAKATI	-29	-1	16	0.4		
NEPAL	NER	132KV Motanga-Rangia	-11	0	6	0.1		
	ER	132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG)	-82	0	-71	-1.7		
	ER	400KV-MUZAFFARPUR - DHALKEBAR DC	-302	-178	-275	-6.6		
BANGLADESH	ER	132KV-BIHAR - NEPAL	-313	-41	-193	-4.6		
	ER	BHERAMARA HVDC(BANGLADESH)	-853	-544	-770	-18.5		
BANGLADESH	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	56	0	-37	-0.9		
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	56	0	-37	-0.9		