



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: 11th 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 10.02.2021.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 10-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 10th 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: 11-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)	50534	54042	43799	19471	2556	170402
Peak Shortage (MW)	550	0	0	174	23	747
Energy Met (MU)	1026	1266	1050	405	44	3790
Hydro Gen (MU)	97	51	88	30	11	277
Wind Gen (MU)	3	13	37	-	-	53
Solar Gen (MU)*	43.59	36.75	115.65	5.26	0.19	201
Energy Shortage (MU)	11.35	1.07	0.00	0.52	0.14	13.08
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	53855	60163	52606	19828	2614	187628
Time Of Maximum Demand Met (From NLDC SCADA)	09:23	11:26	09:27	18:28	17:46	09:25

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	0.037	0.00	0.38	6.75	7.13	77.80	15.07

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	7055	0	133.3	60.9	-1.1	290	0.00
	Haryana	6531	0	136.5	86.3	1.0	187	0.00
	Rajasthan	14319	0	271.5	93.6	1.6	249	0.00
	Delhi	3981	0	65.5	50.2	-1.7	193	0.00
	UP	16729	0	290.9	83.3	-2.0	462	0.15
	Uttarakhand	2246	0	40.2	24.4	-0.1	102	0.00
	HP	1781	0	31.4	27.0	-0.7	174	0.00
	J&K(UT) & Ladakh(UT)	2655	550	53.5	48.7	-0.4	235	11.20
WR	Chandigarh	239	0	3.6	3.6	0.0	18	0.00
	Chhattisgarh	4307	308	95.7	51.7	0.6	345	1.07
	Gujarat	16529	0	352.7	131.3	2.0	634	0.00
	MP	14558	0	278.0	172.9	-1.6	401	0.00
	Maharashtra	23602	0	484.4	147.0	0.1	653	0.00
	Goa	472	0	9.9	9.6	-0.2	30	0.00
	DD	349	0	7.8	7.5	0.3	31	0.00
	DNH	856	0	19.5	19.5	0.0	50	0.00
SR	AMNSIL	797	0	17.9	3.5	0.4	333	0.00
	Andhra Pradesh	10276	0	190.5	72.1	0.6	464	0.00
	Telangana	12578	0	237.9	116.8	1.1	667	0.00
	Karnataka	12803	0	243.3	82.1	2.0	530	0.00
	Kerala	3654	0	72.4	51.0	-0.1	228	0.00
	Tamil Nadu	14408	0	298.2	183.1	-0.8	770	0.00
	Puducherry	373	0	7.7	7.8	-0.2	52	0.00
	ER	Bihar	4547	0	86.8	76.5	0.9	328
DVC		3245	0	68.1	-51.1	0.0	348	0.00
Jharkhand		1468	174	25.6	18.7	-1.3	183	0.52
Odisha		4545	0	92.6	21.0	0.1	405	0.00
West Bengal		6737	0	129.8	14.3	-0.4	419	0.00
Sikkim		127	0	1.7	2.0	-0.2	17	0.00
NER	Arunachal Pradesh	137	2	2.1	2.3	-0.3	19	0.01
	Assam	1491	13	24.4	19.7	0.1	112	0.10
	Manipur	232	3	2.9	3.0	-0.1	23	0.01
	Meghalaya	385	5	6.6	4.3	0.2	55	0.00
	Mizoram	115	1	1.7	1.7	-0.2	22	0.01
	Nagaland	137	1	2.2	2.1	0.0	12	0.01
	Tripura	223	1	3.6	2.1	-0.4	28	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	3.5	-14.1	-19.0
Day Peak (MW)	264.0	-698.3	-900.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	227.7	-247.0	136.7	-118.8	1.5	0.0
Actual(MU)	221.5	-245.2	136.7	-118.7	0.5	-5.1
O/D/U/D(MU)	-6.2	1.8	0.1	0.2	-0.9	-5.1

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	5407	13363	6512	1895	749	27925	42
State Sector	10106	15361	9682	4122	11	39281	58
Total	15512	28723	16194	6017	760	67206	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	587	1357	538	527	7	3015	78
Lignite	24	9	44	0	0	77	2
Hvdro	97	51	88	30	11	277	7
Nuclear	18	16	47	0	0	81	2
Gas, Naptha & Diesel	29	31	12	0	30	101	3
RES (Wind, Solar, Biomass & Others)	73	50	194	5	0	324	8
Total	828	1514	923	562	48	3875	100
Share of RES in total generation (%)	8.85	3.33	21.06	0.93	0.40	8.35	
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	22.67	7.79	35.68	6.23	23.16	17.58	

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.008
Based on State Max Demands	1.037

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: 11-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	6.1	-6.1
3	765 kV	GAYA-VARANASI	2	0	749	0.0	10.6	-10.6
4	765 kV	SASARAM-FATEHPUR	1	0	339	0.0	4.8	-4.8
5	765 kV	GAYA-BALIA	1	0	497	0.0	7.4	-7.4
6	400 kV	PUSAULI-VARANASI	1	0	239	0.0	4.8	-4.8
7	400 kV	PUSAULI -ALLAHABAD	1	0	82	0.0	1.1	-1.1
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	667	0.0	8.7	-8.7
9	400 kV	PATNA-BALIA	4	0	1049	0.0	16.2	-16.2
10	400 kV	BIHARSHARIFF-BALIA	2	0	425	0.0	5.3	-5.3
11	400 kV	MOTIHARIGORAKHPUR	2	0	311	0.0	5.3	-5.3
12	400 kV	BIHARSHARIFF-VARANASI	2	52	194	0.0	1.3	-1.3
13	220 kV	PUSAULI-SAHUPURI	1	51	89	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-CHANDAULI	1	0	0	0.0	0.0	0.0
						ER-NR	0.7	-71.3
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	855	174	8.3	0.0	8.3
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	740	385	4.4	0.0	4.4
3	765 kV	JHARSUGUDA-DURG	2	0	274	0.0	3.5	-3.5
4	400 kV	JHARSUGUDA-RAIGARH	4	0	413	0.0	4.4	-4.4
5	400 kV	RANCHI-SIPAT	2	137	191	0.0	0.3	-0.3
6	220 kV	BUDHIPADAR-RAIGARH	1	0	172	0.0	2.6	-2.6
7	220 kV	BUDHIPADAR-KORBA	2	65	64	0.1	0.0	0.1
						ER-WR	12.8	2.0
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	436	0.0	10.0	-10.0
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1985	0.0	39.0	-39.0
3	765 kV	ANGUL-SRIKAKULAM	2	0	2605	0.0	50.9	-50.9
4	400 kV	TALCHER-I/C	2	0	692	0.0	5.3	-5.3
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
						ER-SR	0.0	-99.9
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	243	54	3.2	0.0	3.2
2	400 kV	ALIPURDUAR-BONGAIGAON	2	387	15	5.8	0.0	5.8
3	220 kV	ALIPURDUAR-SALAKATI	2	66	9	0.9	0.0	0.9
						ER-NER	9.8	0.0
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	487	0	10.9	0.0	10.9
						NER-NR	10.9	0.0
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	1494	0.0	39.7	-39.7
2	HVDC	VINDHYACHAL B/B	-	240	0	6.0	0.0	6.0
3	HVDC	MUNDRA-MOHENDERGARH	2	0	1459	0.0	32.3	-32.3
4	765 kV	GWALIOR-AGRA	2	0	2485	0.0	38.5	-38.5
5	765 kV	PHAGI-GWALIOR	2	0	1344	0.0	24.0	-24.0
6	765 kV	JABALPUR-ORAI	2	726	1001	0.0	31.4	-31.4
7	765 kV	GWALIOR-ORAI	1	651	0	11.5	0.0	11.5
8	765 kV	SATNA-ORAI	1	0	1363	0.0	26.7	-26.7
9	765 kV	CHITORGARH-BANASKANTHA	2	314	436	0.0	1.7	-1.7
10	400 kV	ZERDA-KANKROLI	1	176	64	1.1	0.0	1.1
11	400 kV	ZERDA -BHINMAL	1	161	297	0.0	1.7	-1.7
12	400 kV	VINDHYACHAL-RIHAND	1	490	0	11.2	0.0	11.2
13	400 kV	RAPP-SIHUAIPTUR	2	0	495	0.0	4.4	-4.4
14	220 kV	BHANPURA-RANPUR	1	0	131	0.0	0.1	-0.1
15	220 kV	BHANPURA-MORAK	1	0	30	0.0	0.0	0.0
16	220 kV	MEHGAON-AURAIYA	1	126	0	1.9	0.0	1.9
17	220 kV	MALANPUR-AURAIYA	1	170	4	1.0	0.0	1.0
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	32.6	-168.8
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	293	1006	1.0	10.2	-9.2
2	HVDC	RAIGARH-PUGAULTUR	2	0	999	0.0	11.0	-11.0
3	765 kV	SOLAPUR-RAICHUR	2	247	1875	0.0	24.3	-24.3
4	765 kV	WARDHA-NIZAMABAD	2	0	2927	0.0	47.8	-47.8
5	400 kV	KOLHAPUR-KUDGI	2	1153	0	17.4	0.0	17.4
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	XELDAM-AMBEWADI	1	0	52	1.0	0.0	1.0
						WR-SR	19.4	-74.0
INTERNATIONAL EXCHANGES								
State	Region	Line Name	Max (MW)	Min (MW)	Avg (MW)	Energy Exchange (MU)		
BHUTAN	ER	400kV MANGDECHHU-ALIPURDUAR & 2 I.e. ALIPURDUAR RECEIPT (from MANGDECHHU HEP 4*800MW)	160	85	104	2.5		
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) I.e. BINAGURI RECEIPT (from TALA HEP (6*170MW))	72	0	50	1.2		
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) I.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	0	0	0	-0.2		
	NER	132KV-GEYLEGPHU - SALAKATI	32	13	22	0.5		
	NER	132kV Motanga-Rangis	20	7	14	0.3		
NEPAL	NR	132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG)	-80	0	-73	-1.8		
	ER	400KV-MUZAFFARPUR - DHALKEBAR DC	-278	-226	-276	-6.6		
	ER	132KV-BIHAR - NEPAL	-340	-99	-238	-5.7		
BANGLADESH	ER	BHERAMARA HVDC(BANGLADESH)	-792	-542	-703	-16.9		
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	54	0	-44	-1.1		
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	54	0	-44	-1.1		