



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: 26th 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 25.02.2021.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 25-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 25th 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: 26-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)	47393	53501	44850	19940	2431	168115
Peak Shortage (MW)	1969	0	0	195	94	2258
Energy Met (MU)	1008	1290	1084	414	43	3839
Hydro Gen (MU)	111	52	107	33	9	312
Wind Gen (MU)	11	41	12	-	-	63
Solar Gen (MU)*	44.86	38.31	115.36	4.62	0.11	203
Energy Shortage (MU)	21.57	0.10	0.00	0.59	0.74	23.00
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	49096	60060	53216	20238	2560	180007
Time Of Maximum Demand Met (From NLDC SCADA)	11:10	11:24	10:35	18:32	18:00	10:50

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	0.073	0.39	2.92	17.50	20.81	71.08	8.11

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	6304	0	131.1	52.9	-0.3	260	3.48
	Haryana	6759	0	137.0	98.5	1.0	202	0.28
	Rajasthan	12845	0	259.1	78.9	1.2	422	7.27
	Delhi	3536	0	62.3	55.0	-0.6	368	0.00
	UP	16612	0	295.9	81.6	-2.3	407	0.36
	Uttarakhand	1979	0	38.1	19.8	0.9	201	0.18
	HP	1748	0	31.6	24.3	2.0	437	0.00
	J&K(UT) & Ladakh(UT)	2612	500	50.5	44.4	-0.6	266	10.00
	Chandigarh	175	0	2.8	3.0	-0.2	37	0.00
	Chhattisgarh	4441	0	99.3	45.8	1.4	339	0.10
WR	Gujarat	16920	0	368.7	130.4	5.0	823	0.00
	MP	13163	0	260.4	148.2	-1.6	372	0.00
	Maharashtra	24097	0	504.6	138.8	-2.9	488	0.00
	Goa	572	0	11.3	10.3	0.5	131	0.00
	DD	329	0	7.4	7.1	0.3	55	0.00
	DNH	872	0	20.2	19.8	0.4	69	0.00
	AMNSIL	828	0	18.1	1.8	-0.1	238	0.00
SR	Andhra Pradesh	10218	0	196.8	70.0	1.0	600	0.00
	Telangana	13171	0	256.0	134.9	-0.2	650	0.00
	Karnataka	12022	0	226.0	86.6	0.1	795	0.00
	Kerala	3856	0	81.1	53.6	-0.1	210	0.00
	Tamil Nadu	14950	0	316.7	183.0	1.5	965	0.00
	Puducherry	366	0	7.4	7.6	-0.2	37	0.00
ER	Bihar	4376	0	83.2	75.7	0.6	381	0.00
	DVC	3147	0	66.0	-52.2	-1.1	339	0.00
	Jharkhand	1417	195	23.7	19.2	-3.7	154	0.59
	Odisha	4950	0	100.2	23.5	-0.7	356	0.00
	West Bengal	7051	0	139.7	11.0	-0.9	245	0.00
NER	Sikkim	96	0	1.4	1.9	-0.5	6	0.00
	Arunachal Pradesh	120	2	2.3	2.3	-0.1	18	0.01
	Assam	1413	19	24.4	19.4	0.5	137	0.70
	Manipur	216	2	2.7	2.7	-0.1	23	0.01
	Meghalaya	405	0	6.5	4.2	0.2	78	0.00
	Mizoram	106	2	1.6	1.3	0.0	34	0.01
	Nagaland	138	2	2.0	2.0	-0.1	21	0.01
	Tripura	229	2	3.7	2.6	-0.3	53	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	3.4	-14.6	-19.7
Day Peak (MW)	281.0	-722.4	-945.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	213.6	-212.0	155.3	-159.2	2.3	0.0
Actual(MU)	210.0	-207.2	152.8	-163.1	1.9	-5.6
O/D/U/D(MU)	-3.6	4.9	-2.5	-4.0	-0.4	-5.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	8350	19413	7772	1926	794	38255	48
State Sector	12389	14184	9462	4902	11	40948	52
Total	20739	33596	17234	6828	805	79202	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	559	1287	572	578	10	3006	76
Lignite	22	9	43	0	0	74	2
Hvdro	111	52	107	33	9	312	8
Nuclear	23	21	47	0	0	91	2
Gas, Naptha & Diesel	21	60	12	0	27	120	3
RES (Wind, Solar, Biomass & Others)	82	80	165	5	0	332	8
Total	818	1509	944	616	46	3934	100
Share of RES in total generation (%)	10.06	5.29	17.45	0.75	0.24	8.43	
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	26.34	10.13	33.72	6.18	20.36	18.67	

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.029
Based on State Max Demands	1.067

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-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	750	0.0	11.4	-11.4
4	765 kV	SASARAM-FATEHPUR	1	0	352	0.0	4.1	-4.1
5	765 kV	GAYA-BALIA	1	0	487	0.0	8.8	-8.8
6	400 kV	PUSAULI-VARANASI	1	0	244	0.0	5.0	-5.0
7	400 kV	PUSAULI-ALLAHABAD	1	0	78	0.0	1.0	-1.0
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	693	0.0	10.1	-10.1
9	400 kV	PATNA-BALIA	4	0	1137	0.0	23.2	-23.2
10	400 kV	BIHARSHARIFF-BALIA	2	0	519	0.0	9.7	-9.7
11	400 kV	MOTIHARI-GORAKHPUR	2	0	295	0.0	5.4	-5.4
12	400 kV	BIHARSHARIFF-VARANASI	2	0	269	0.0	4.0	-4.0
13	220 kV	PUSAULI-SAHUPURI	1	0	186	0.0	2.7	-2.7
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	91.4	-90.7
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	491	392	3.1	0.0	3.1
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	460	566	0.0	1.2	-1.2
3	765 kV	JHARSUGUDA-DURG	2	0	597	0.0	10.3	-10.3
4	400 kV	JHARSUGUDA-RAIGARH	4	0	449	0.0	5.9	-5.9
5	400 kV	RANCHI-SIPAT	2	71	305	0.0	2.0	-2.0
6	220 kV	BUDHIPADAR-RAIGARH	1	0	195	0.0	3.4	-3.4
7	220 kV	BUDHIPADAR-KORBA	2	48	80	0.0	0.3	-0.3
						ER-WR	23.0	-20.0
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	489	0.0	11.2	-11.2
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1978	0.0	39.5	-39.5
3	765 kV	ANGUL-SRIKAKULAM	2	0	2911	0.0	55.8	-55.8
4	400 kV	TALCHER-I/C	2	771	450	3.8	0.0	3.8
5	220 kV	BALMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
						ER-SR	106.5	-106.5
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	243	97	1.4	0.0	1.4
2	400 kV	ALIPURDUAR-BONGAIGAON	2	420	110	2.4	0.0	2.4
3	220 kV	ALIPURDUAR-SALAKATI	2	65	19	0.4	0.0	0.4
						ER-NER	4.1	0.0
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	462	0	7.4	0.0	7.4
						NER-NR	7.4	0.0
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	495	0.0	31.8	-31.8
2	HVDC	VINDHYACHAL B/B	-	238	0	6.0	0.0	6.0
3	HVDC	MUNDRAM-SOHNERGARH	2	0	1767	0.0	27.4	-27.4
4	765 kV	GWALIOR-AGRA	2	0	2157	0.0	31.5	-31.5
5	765 kV	PHAGI-GWALIOR	2	0	1083	0.0	15.3	-15.3
6	765 kV	JABALPUR-ORAI	2	0	865	0.0	26.6	-26.6
7	765 kV	GWALIOR-ORAI	1	510	0	9.7	0.0	9.7
8	765 kV	SATNA-ORAI	1	0	1202	0.0	22.8	-22.8
9	765 kV	CHITORGARH-BANASKANTHA	2	213	647	0.0	2.7	-2.7
10	400 kV	ZERDA-KANKROLI	1	137	86	1.2	0.0	1.2
11	400 kV	ZERDA-BHINMAL	1	203	285	0.0	0.8	-0.8
12	400 kV	VINDHYACHAL-RIHAND	1	485	0	11.2	0.0	11.2
13	400 kV	RAPP-SHUALPUR	2	127	334	0.3	2.3	-2.0
14	220 kV	BHANPURA-RANPUR	1	0	184	0.0	2.2	-2.2
15	220 kV	BHANPURA-MORAK	1	0	30	0.0	1.8	-1.8
16	220 kV	MEHGAON-AURAIYA	1	160	9	2.1	0.0	2.1
17	220 kV	MALANPUR-AURAIYA	1	90	0	0.5	0.0	0.5
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	31.0	165.2
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	0	522	0.0	8.9	-8.9
2	HVDC	RAIGARH-PUGALUR	2	0	1011	0.0	21.8	-21.8
3	765 kV	SOLAPUR-RAICHUR	2	781	2367	0.0	28.6	-28.6
4	765 kV	WARDHA-NIZAMABAD	2	0	3094	0.0	52.6	-52.6
5	400 kV	KOLHAPUR-KUDGI	2	1399	0	18.0	0.0	18.0
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	116	1.7	0.0	1.7
						WR-SR	19.7	111.9

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)	144	89	90	2.2
	ER	400KV TALA-BINAGURI 1,2,3 (& 400KV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW))	86	0	70	1.7
	ER	220KV CHUKHA-BIRPARA 1&2 (& 220KV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	9	0	-17	-0.4
	NER	132KV-GEYLEGPHU - SALAKATI	32	11	19	0.5
	NER	132KV Motanga-Rangia	9	1	1	0.0
NEPAL	NR	132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG)	-79	0	-73	-1.8
	ER	400KV-MUZAFFARPUR - DHALKEBAR DC	-319	-239	-318	-7.6
BANGLADESH	ER	132KV-BIHAR - NEPAL	-324	-110	-219	-5.3
	ER	BHERAMARA HVDC(BANGLADESH)	-839	-576	-716	-17.2
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	53	0	-52	-1.3
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	53	0	-52	-1.2