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: 27th 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., 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 26.02.2021.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 26-फरवरी -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 26th 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:** **27-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)	47668	53545	45560	19759	2436	168968
Peak Shortage (MW)	1043	0	0	177	60	1280
Energy Met (MU)	1028	1296	1113	410	43	3890
Hydro Gen (MU)	108	52	102	34	8	304
Wind Gen (MU)	26	70	13	-	-	109
Solar Gen (MU)*	47.09	38.61	108.73	4.77	0.05	199
Energy Shortage (MU)	15.17	0.00	0.00	0.53	0.44	16.14
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	50634	59960	55139	20307	2517	183682
Time Of Maximum Demand Met (From NLDC SCADA)	09:41	11:35	09:42	18:29	18:00	09:28

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	0.033	0.00	0.29	7.11	7.39	81.99	10.61

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	6399	0	135.6	53.5	-0.5	151	2.50
	Haryana	6825	0	141.9	88.1	1.1	219	0.35
	Rajasthan	13611	329	262.6	72.3	0.5	558	1.54
	Delhi	3638	0	65.4	55.3	-1.4	122	0.00
	UP	16578	160	299.4	89.5	-1.4	514	0.60
	Uttarakhand	2009	0	38.1	19.4	1.2	185	0.14
	HP	1748	0	31.9	24.1	3.0	516	0.04
	J&K(UT) & Ladakh(UT)	2385	500	50.0	44.3	-0.9	128	10.00
	Chandigarh	191	0	3.2	3.0	0.2	40	0.00
WR	Chhattisgarh	4502	0	99.7	48.2	0.0	253	0.00
	Gujarat	17292	0	371.7	131.8	-0.9	540	0.00
	MP	13071	0	261.9	143.4	-1.5	396	0.00
	Maharashtra	23993	0	504.4	144.6	-1.5	474	0.00
	Goa	542	0	12.2	11.4	0.3	188	0.00
	DD	336	0	7.6	7.4	0.1	15	0.00
	DNH	862	0	20.0	20.1	-0.1	49	0.00
	AMNSIL	812	0	18.1	3.2	1.0	376	0.00
SR	Andhra Pradesh	10152	0	201.9	66.1	1.1	491	0.00
	Telangana	13452	0	261.0	139.0	2.1	726	0.00
	Karnataka	12503	0	236.0	91.5	-0.1	652	0.00
	Kerala	3860	0	81.7	52.4	0.8	236	0.00
	Tamil Nadu	15298	0	325.4	195.3	0.7	554	0.00
	Puducherry	359	0	7.3	7.5	-0.2	60	0.00
ER	Bihar	4563	0	86.6	73.6	1.4	576	0.00
	DVC	3126	0	67.1	-55.5	-0.4	308	0.00
	Jharkhand	1369	177	23.5	20.0	-3.2	146	0.53
	Odisha	4497	0	88.5	13.4	0.0	415	0.00
	West Bengal	7469	0	143.4	11.9	-1.0	539	0.00
	Sikkim	88	0	1.3	1.8	-0.5	10	0.00
NER	Arunachal Pradesh	117	2	2.5	2.4	0.0	22	0.01
	Assam	1418	13	23.6	19.5	-0.7	99	0.40
	Manipur	196	3	2.9	2.8	0.1	31	0.01
	Meghalaya	386	0	6.3	4.4	0.2	54	0.00
	Mizoram	108	3	1.7	1.3	0.1	41	0.01
	Nagaland	128	2	2.3	2.0	0.2	32	0.01
	Tripura	221	1	3.8	2.5	-0.5	34	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	3.3	-11.8	-19.3
Day Peak (MW)	236.0	-650.7	-949.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	210.5	-203.6	167.7	-176.7	2.1	0.0
Actual(MU)	202.3	-215.4	175.9	-174.0	0.5	-10.6
O/D/U/D(MU)	-8.3	-11.8	8.2	2.7	-1.6	-10.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	8200	18093	7272	1266	819	35650	47
State Sector	12029	15205	8652	4182	11	40079	53
Total	20229	33298	15924	5448	830	75729	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	568	1274	592	575	10	3018	76
Lignite	22	9	42	0	0	73	2
Hydro	108	52	102	34	8	304	8
Nuclear	23	21	47	0	0	91	2
Gas, Naptha & Diesel	24	58	11	0	29	122	3
RES (Wind, Solar, Biomass & Others)	100	109	160	5	0	374	9
Total	845	1523	953	614	47	3982	100

Share of RES in total generation (%)	11.89	7.17	16.75	0.77	0.11	9.40
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	27.35	11.95	32.37	6.37	16.64	19.30

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.027
Based on State Max Demands	1.057

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: 27-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	5.9	-5.9
3	765 kV	GAYA-VARANASI	2	0	798	0.0	12.2	-12.2
4	765 kV	SASARAM-FATEHPUR	1	0	346	0.0	5.0	-5.0
5	765 kV	GAYA-BALIA	1	0	500	0.0	7.2	-7.2
6	400 kV	PUSAULI-VARANASI	1	0	220	0.0	4.5	-4.5
7	400 kV	PUSAULI -ALLAHABAD	1	0	92	0.0	1.3	-1.3
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	862	0.0	11.7	-11.7
9	400 kV	PATNA-BALIA	4	0	1048	0.0	19.6	-19.6
10	400 kV	BIHARSHARIFF-BALIA	2	0	573	0.0	8.6	-8.6
11	400 kV	MOTIHARI-GORAKHPUR	2	0	325	0.0	5.8	-5.8
12	400 kV	BIHARSHARIFF-VARANASI	2	0	356	0.0	4.5	-4.5
13	220 kV	PUSAULI-SAHUPURI	1	0	190	0.0	2.6	-2.6
14	132 kV	SONE NAGAR-RIHAND	1	0	0	0.0	0.0	0.0
15	132 kV	GARWAH-RIHAND	1	20	44	0.7	0.0	0.7
16	132 kV	KARMANASA-SAHUPURI	1	0	1	0.0	0.0	0.0
17	132 kV	KARMANASA-CHANDAULI	1	0	134	0.0	0.0	0.0
					ER-NR	0.7	88.6	-87.9
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	384	460	0.5	0.0	0.5
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	311	848	0.0	5.8	-5.8
3	765 kV	JHARSUGUDA-DURG	2	0	889	0.0	12.8	-12.8
4	400 kV	JHARSUGUDA-RAIGARH	4	0	435	0.0	6.8	-6.8
5	400 kV	RANCHI-SIPAT	2	27	300	0.0	2.9	-2.9
6	220 kV	BUDHIPADAR-RAIGARH	1	0	154	0.0	3.0	-3.0
7	220 kV	BUDHIPADAR-KORBA	2	55	67	0.0	0.0	0.0
					ER-WR	0.5	31.2	-30.6
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	482	0.0	11.1	-11.1
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	2474	0.0	34.9	-34.9
3	765 kV	ANGUL-SRIKAKULAM	2	0	2834	0.0	56.1	-56.1
4	400 kV	TALCHER-I/C	2	982	1101	0.0	5.1	-5.1
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
					ER-SR	0.0	102.1	-102.1
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	243	0	3.4	0.0	3.4
2	400 kV	ALIPURDUAR-BONGAIGAON	2	417	0	6.0	0.0	6.0
3	220 kV	ALIPURDUAR-SALAKATI	2	64	0	0.9	0.0	0.9
					ER-NER	10.3	0.0	10.3
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	502	0	11.6	0.0	11.6
					NER-NR	11.6	0.0	11.6
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	1250	0.0	43.3	-43.3
2	HVDC	VINDHYACHAL B/B	-	238	0	6.0	0.0	6.0
3	HVDC	MUNDRA-MOHINDERGARH	2	0	1455	0.0	26.6	-26.6
4	765 kV	GWALIOR-AGRA	2	0	1957	0.0	29.7	-29.7
5	765 kV	PHAGI-GWALIOR	2	0	901	0.0	14.0	-14.0
6	765 kV	JABALPUR-ORAI	2	735	799	0.0	25.8	-25.8
7	765 kV	GWALIOR-ORAI	1	523	0	9.4	0.0	9.4
8	765 kV	SATNA-ORAI	1	0	1048	0.0	21.0	-21.0
9	765 kV	CHITORGARH-BANASKANTHA	2	269	733	0.0	4.8	-4.8
10	400 kV	ZERDA-KANKROLI	1	131	74	1.0	0.0	1.0
11	400 kV	ZERDA -BHINMAL	1	188	231	0.6	0.0	0.6
12	400 kV	VINDHYACHAL -RIHAND	1	479	0	11.2	0.0	11.2
13	400 kV	RAPP-SHUJALPUR	2	235	357	0.7	2.1	-1.5
14	220 kV	BHANPURA-RANPUR	1	0	132	0.0	1.8	-1.8
15	220 kV	BHANPURA-MORAK	1	0	30	0.0	1.4	-1.4
16	220 kV	MEHGAON-AURAIYA	1	138	0	2.0	0.0	2.0
17	220 kV	MALANPUR-AURAIYA	1	88	0	1.2	0.0	1.2
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	32.0	170.6	-138.6
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	0	522	0.0	11.9	-11.9
2	HVDC	RAIGARH-PUGALUR	2	0	1019	0.0	27.5	-27.5
3	765 kV	SOLAPUR-RAICHUR	2	370	2318	0.0	31.4	-31.4
4	765 kV	WARDHA-NIZAMABAD	2	0	3027	0.0	53.9	-53.9
5	400 kV	KOLHAPUR-KUDGI	2	1282	0	17.5	0.0	17.5
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	119	0.7	0.0	0.7
					WR-SR	18.2	124.7	-106.5

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)	108	91	92	2.2
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	86	0	73	1.7
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	0	0	0	-0.6
	NER	132KV-GEYLEGPHU - SALAKATI	34	12	22	0.5
	NER	132kV Motanga-Rangia	12	0	4	0.1
NEPAL	NR	132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG)	0	0	0	0.0
	ER	400KV-MUZAFFARPUR - DHALKEBAR DC	-312	-108	-246	-5.9
	ER	132KV-BIHAR - NEPAL	-339	-111	-245	-5.9
	ER	BHERAMARA HVDC(BANGLADESH)	-821	-625	-716	-17.2
BANGLADESH	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	64	0	-45	-1.1
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	64	0	-45	-1.1