



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: 12th 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 11.02.2021.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 11-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 11th 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: 12-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)	49931	53122	43540	20027	2533	169153
Peak Shortage (MW)	0	30	0	0	29	59
Energy Met (MU)	1015	1269	1046	399	44	3774
Hydro Gen (MU)	96	52	82	31	10	272
Wind Gen (MU)	5	17	44	-	-	65
Solar Gen (MU)*	40.01	34.85	111.36	5.23	0.16	192
Energy Shortage (MU)	11.39	0.12	0.00	0.00	0.19	11.70
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	52755	60425	52927	20050	2564	184710
Time Of Maximum Demand Met (From NLDC SCADA)	09:29	10:55	09:18	18:57	18:26	09:43

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	0.040	0.00	0.36	5.47	5.83	75.37	18.80

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	6864	0	133.7	61.9	-1.2	69	0.00
	Haryana	6489	0	135.2	84.2	0.6	266	0.00
	Rajasthan	14062	0	262.7	94.6	-2.2	161	0.00
	Delhi	3851	0	65.0	49.2	-1.6	147	0.03
	UP	16620	0	289.3	84.0	-1.4	368	0.16
	Uttarakhand	2188	0	40.1	24.1	0.5	137	0.00
	HP	1830	0	32.0	26.7	0.6	201	0.00
	J&K(UT) & Ladakh(UT)	2648	0	53.6	48.9	-0.7	251	11.20
WR	Chandigarh	225	0	3.5	3.5	0.0	34	0.00
	Chhattisgarh	4452	0	97.3	49.0	0.5	252	0.12
	Gujarat	16629	0	357.0	134.0	1.3	620	0.00
	MP	14407	0	276.6	168.0	-1.2	495	0.00
	Maharashtra	23547	0	482.6	147.9	-0.7	537	0.00
	Goa	477	0	10.3	9.5	0.2	21	0.00
	DD	343	0	7.7	7.4	0.3	28	0.00
	DNH	854	0	19.8	19.6	0.2	54	0.00
SR	AMNSIL	831	0	18.0	3.9	0.5	297	0.00
	Andhra Pradesh	10325	0	188.7	68.1	0.3	630	0.00
	Telangana	12740	0	240.1	121.6	-0.7	738	0.00
	Karnataka	12857	0	240.9	80.8	0.7	690	0.00
	Kerala	3711	0	71.8	51.4	0.0	280	0.00
	Tamil Nadu	14219	0	297.4	180.9	-0.7	629	0.00
	Puducherry	363	0	7.2	7.4	-0.3	32	0.00
	ER	Bihar	4674	0	85.6	74.2	2.5	573
DVC		3117	0	67.0	48.4	-0.1	555	0.00
Jharkhand		1477	0	27.0	19.8	-1.4	163	0.00
Odisha		4492	0	87.0	12.4	-1.0	344	0.00
West Bengal		7285	0	131.1	17.1	-0.1	537	0.00
Sikkim		120	0	1.7	1.9	-0.2	32	0.00
NER	Arunachal Pradesh	142	2	2.2	2.2	-0.1	39	0.01
	Assam	1457	11	24.7	19.7	0.2	141	0.15
	Manipur	224	2	2.8	3.1	-0.4	21	0.01
	Meghalaya	365	0	6.6	4.3	0.3	55	0.00
	Mizoram	116	2	1.7	1.6	-0.2	31	0.01
	Nagaland	134	2	2.3	2.1	0.1	11	0.01
Tripura	226	1	3.5	1.9	-0.5	10	0.00	

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	3.0	-14.2	-18.9
Day Peak (MW)	330.0	-681.8	-902.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	230.7	-244.4	132.5	-121.3	2.5	0.0
Actual(MU)	218.5	-241.3	133.1	-120.5	1.2	-9.1
OD/UD(MU)	-12.1	3.0	0.6	0.8	-1.4	-9.1

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	5476	13363	7112	2205	899	29054	42
State Sector	10631	14451	9882	4872	11	39846	58
Total	16106	27813	16994	7077	910	68900	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	577	1351	542	518	7	2995	78
Lignite	22	8	46	0	0	76	2
Hvdro	96	52	82	31	10	272	7
Nuclear	18	16	47	0	0	81	2
Gas, Naptha & Diesel	30	37	11	0	29	108	3
RES (Wind, Solar, Biomass & Others)	71	53	196	5	0	325	8
Total	814	1517	924	554	47	3856	100

Share of RES in total generation (%)	8.76	3.46	21.22	0.95	0.34	8.44
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	22.70	7.98	35.20	6.55	22.53	17.58

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.022
Based on State Max Demands	1.052

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: 12-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	249	0.0	6.2	-6.2
3	765 kV	GAYA-VARANASI	2	0	980	0.0	9.7	-9.7
4	765 kV	SASARAM-FATEHPUR	1	0	300	0.0	4.1	-4.1
5	765 kV	GAYA-BALIA	1	0	582	0.0	7.8	-7.8
6	400 kV	PUSAULI-VARANASI	1	0	248	0.0	5.2	-5.2
7	400 kV	PUSAULI -ALLAHABAD	1	0	75	0.0	0.9	-0.9
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	771	0.0	9.4	-9.4
9	400 kV	PATNA-BALIA	4	0	959	0.0	15.6	-15.6
10	400 kV	BIHARSHARIF-BALIA	2	0	494	0.0	4.4	-4.4
11	400 kV	MOTIHARIGORAKHPUR	2	0	351	0.0	4.5	-4.5
12	400 kV	BIHARSHARIF-VARANASI	2	44	183	0.0	1.3	-1.3
13	220 kV	PUSAULI-SAHUPURI	1	59	91	0.0	0.2	-0.2
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	69.3	-68.6
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	647	264	7.3	0.0	7.3
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1007	352	3.7	0.0	3.7
3	765 kV	JHARSUGUDA-DURG	2	12	251	0.0	3.9	-3.9
4	400 kV	JHARSUGUDA-RAIGARH	4	18	391	0.0	4.9	-4.9
5	400 kV	RANCHI-SIPAT	2	115	175	0.2	0.0	0.2
6	220 kV	BUDHIPADAR-RAIGARH	1	0	174	0.0	3.2	-3.2
7	220 kV	BUDHIPADAR-KORBA	2	70	51	0.2	0.0	0.2
						ER-WR	11.4	-12.0
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	482	0.0	10.0	-10.0
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1983	0.0	39.9	-39.9
3	765 kV	ANGUL-SRIKAKULAM	2	0	2510	0.0	51.1	-51.1
4	400 kV	TALCHER-I/C	2	0	642	0.0	6.2	-6.2
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
						ER-SR	100.9	-100.9
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	261	136	3.0	0.0	3.0
2	400 kV	ALIPURDUAR-BONGAIGAON	2	441	173	5.2	0.0	5.2
3	220 kV	ALIPURDUAR-SALAKATI	2	75	34	0.8	0.0	0.8
						ER-NER	8.9	0.0
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	488	0	11.1	0.0	11.1
						NER-NR	11.1	11.1
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	1502	0.0	40.5	-40.5
2	HVDC	VINDHYACHAL B/B	-	239	0	6.0	0.0	6.0
3	HVDC	MUNDRA-MOHENDERGARH	2	0	1459	0.0	36.3	-36.3
4	765 kV	GWALIOR-AGRA	2	0	2476	0.0	39.1	-39.1
5	765 kV	PHAGL-GWALIOR	2	0	1324	0.0	23.9	-23.9
6	765 kV	JABALPUR-ORAI	2	0	965	0.0	30.0	-30.0
7	765 kV	GWALIOR-ORAI	1	655	0	11.5	0.0	11.5
8	765 kV	SATNA-ORAI	1	0	1361	0.0	26.9	-26.9
9	765 kV	CHITORGARH-BANASKANTHA	2	225	308	0.0	0.3	-0.3
10	400 kV	ZERDA-KANKROLI	1	148	64	1.4	0.0	1.4
11	400 kV	ZERDA -BHINMAL	1	97	258	0.0	1.0	-1.0
12	400 kV	VINDHYACHAL-RIHAND	2	495	0	11.3	0.0	11.3
13	400 kV	RAPP-SIHUAI PUR	2	0	471	0.0	4.5	-4.5
14	220 kV	BHANPURA-RANPUR	1	0	136	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	136	0	1.7	1.9	-0.2
17	220 kV	MALANPUR-AURAIYA	1	89	9	1.1	0.0	1.1
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	0.9	-0.9
						WR-NR	33.0	-172.3
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	0	1016	0.0	18.1	-18.1
2	HVDC	RAIGARH-PUGAULI	2	0	1064	0.0	10.3	-10.3
3	765 kV	SOLAPUR-RAICHUR	2	865	1720	0.0	17.3	-17.3
4	765 kV	WARDHA-NIZAMABAD	2	0	2789	0.0	41.8	-41.8
5	400 kV	KOLHAPUR-KUDGI	2	1207	0	16.9	0.0	16.9
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	54	1.0	0.0	1.0
						WR-SR	17.9	-69.6
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)	219	85	89	2.1		
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) I.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	70	0	65	1.6		
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) I.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	0	0	0	-0.7		
	NER	132KV-GEYLEGPHU - SALAKATI	29	14	22	0.5		
	NER	132kV Motanga-Rangis	19	2	10	0.2		
NEPAL	NR	132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG)	-81	0	-73	-1.8		
	ER	400KV-MUZAFFARPUR - DHALKEBAR DC	-277	-220	-277	-6.7		
	ER	132KV-BIHAR - NEPAL	-324	-102	-242	-5.8		
BANGLADESH	ER	BHERAMARA HVDC(BANGLADESH)	-792	-542	-704	-16.9		
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	55	0	-54	-1.3		
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	55	0	-30	-0.7		