



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 2020

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 11.02.2020.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 11-फरवरी-2020 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 Feb 2020, 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-20

A. Power Supply Position at All India and Regional level

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	48122	50202	41866	18321	2450	160961
Peak Shortage (MW)	638	0	0	0	31	669
Energy Met (MU)	1004	1206	1022	372	42	3645
Hydro Gen (MU)	129	50	72	37	3	292
Wind Gen (MU)	18	65	73	-----	-----	156
Solar Gen (MU)*	37.63	24.30	76.10	1.56	0.04	140
Energy Shortage (MU)	12.5	0.0	0.0	0.0	0.6	13.1
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	50413 09:40	57529 11:02	48407 07:58	19023 18:46	2534 18:23	172750 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	0.039	0.00	0.00	6.41	6.41	70.56	23.03

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	6542	0	129.2	77.0	-1.3	88	0.0
	Haryana	7300	0	136.6	88.5	0.3	367	0.0
	Rajasthan	14113	0	248.1	70.5	0.8	592	0.0
	Delhi	4098	0	69.5	53.7	0.6	288	0.0
	UP	16326	0	295.5	125.4	-0.9	719	0.0
	Uttarakhand	2130	0	38.7	20.4	0.8	173	0.0
	HP	1643	0	29.2	23.5	-1.5	53	0.0
	J&K(UT) and Ladakh(UT)	2551	638	53.0	44.6	0.0	384	12.5
	Chandigarh	245	0	4.0	3.9	0.1	29	0.0
WR	Chhattisgarh	3609	0	73.7	29.3	-1.0	186	0.0
	Gujarat	16051	0	343.5	88.4	6.4	662	0.0
	MP	14667	0	269.9	126.9	-1.8	656	0.0
	Maharashtra	22953	0	471.1	143.7	-0.5	566	0.0
	Goa	579	0	11.2	10.6	0.1	50	0.0
	DD	330	0	7.4	6.8	0.6	41	0.0
	DNH	796	0	18.5	18.4	0.1	35	0.0
	Essar steel	801	0	10.6	10.4	0.2	222	0.0
	Andhra Pradesh	9057	0	184.5	72.6	0.2	428	0.0
SR	Telangana	10373	0	210.8	120.4	0.6	531	0.0
	Karnataka	11918	0	233.9	78.2	-1.3	391	0.0
	Kerala	3788	0	75.1	60.7	1.4	364	0.0
	Tamil Nadu	14469	0	310.0	141.7	-1.3	527	0.0
	Pondy	367	0	7.4	7.6	-0.2	30	0.0
	Bihar	4450	0	77.6	77.0	-1.0	229	0.0
ER	DVC	3448	0	66.5	-38.6	-0.2	243	0.0
	Jharkhand	1278	0	25.2	20.1	-0.2	101	0.0
	Odisha	4064	0	80.0	15.0	0.9	271	0.0
	West Bengal	6202	0	120.9	34.9	-0.6	361	0.0
	Sikkim	131	0	1.9	1.9	-0.1	20	0.0
	Arunachal Pradesh	120	2	2.2	2.0	0.2	61	0.0
NER	Assam	1370	16	22.6	20.4	0.1	124	0.4
	Manipur	212	2	2.7	2.9	-0.2	42	0.0
	Meghalaya	386	0	6.7	5.7	-0.1	64	0.2
	Mizoram	105	2	1.6	1.5	-0.1	26	0.0
	Nagaland	126	2	2.3	2.0	0.2	40	0.0
	Tripura	226	1	3.6	1.8	0.1	35	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	2.0	-11.1	-12.7
Day peak (MW)	344.8	-589.0	-584.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	245.8	-284.9	119.9	-92.1	11.2	-0.1
Actual(MU)	237.0	-281.1	118.3	-87.0	9.9	-3.0
O/D/U/D(MU)	-8.8	3.8	-1.6	5.0	-1.2	-2.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5813	13373	4872	1560	703	26321
State Sector	12370	15550	6750	5880	11	40561
Total	18183	28922	11622	7440	715	66882

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	485	1253	528	449	8	2724
Lignite	27	17	54	0	0	98
Hydro	129	50	72	37	3	292
Nuclear	24	35	40	0	0	98
Gas, Naptha & Diesel	32	42	18	0	22	114
RES (Wind, Solar, Biomass & Others)	86	101	195	2	0	384
Total	783	1498	907	488	33	3710

Share of RES in total generation (%)	10.93	6.73	21.54	0.33	0.12	10.34
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	30.46	12.41	33.86	7.97	9.62	20.86

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.030
Based on State Max Demands	1.081

Diversity factor = Sum of regional or state-wise maximum demands / All India maximum demand

*Source: RLDCs for solar connected to ISTS; SLDCs for embedded solar. Limited visibility of embedded solar data.

INTER-REGIONAL EXCHANGES								Date of Reporting :	12-Feb-20
Sl No	Voltage Level	Line Details	Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)	
Import/Export of ER (With NR)									
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0	
5		PUSAULI B/B	S/C	0	378	0.0	8.9	-8.9	
1	765kV	GAYA-VARANASI	D/C	118	599	0.0	6.5	-6.5	
2		SASARAM-FATEHPUR	S/C	223	184	0.1	0.0	0.1	
3		GAYA-BALIA	S/C	0	502	0.0	7.5	-7.5	
6	400 kV	PUSAULI-VARANASI	S/C	0	294	0.0	5.8	-5.8	
7		PUSAULI -ALLAHABAD	S/C	0	180	0.0	3.0	-3.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	235	326	0.0	0.8	-0.8	
9		PATNA-BALIA	Q/C	0	775	0.0	11.0	-11.0	
10		BIHARSHARIFF-BALIA	D/C	19	328	0.0	3.7	-3.7	
11		MOTIHARI-GORAKHPUR	D/C	0	510	0.0	9.5	-9.5	
12		BIHARSHARIFF-VARANASI	D/C	224	191	0.3	0.0	0.3	
13		220 kV	PUSAULI-SAHUPURI	S/C	0	168	0.0	2.8	-2.8
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
15		GARWAH-RIHAND	S/C	30	0	0.7	0.0	0.7	
16		KARMANASA-SAHUPURI	S/C	0	0	0.0	0.0	0.0	
17		KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0	
ER-NR						1.1	59.5	-58.4	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	6314	0	21.0	0.0	21.0	
19		NEW RANCHI-DHARAMJAIGARH	D/C	895	80	9.3	0.0	9.3	
20		JHARSUGUDA-DURG	D/C	1000050	109	0.0	0.4	-0.4	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	312	177	0.7	0.0	0.7	
22		RANCHI-SIPAT	D/C	308	0	3.2	0.0	3.2	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	1	0.0	0.0	0.0	
24		BUDHIPADAR-KORBA	D/C	92	0	1.1	0.0	1.1	
ER-WR						35.3	0.4	34.9	
Import/Export of ER (With SR)									
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	530.0	0.0	12.3	-12.3	
27		TALCHER-KOLAR BIPOLE	D/C	0.0	1587.0	0.0	35.4	-35.4	
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	2589.0	0.0	45.5	-45.5	
28	400 kV	TALCHER-I/C	D/C	721.0	184.0	6.4	0.0	6.4	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	2.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	93.3	-93.3	
Import/Export of ER (With NER)									
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	553	0.0	7.4	-7	
31		ALIPURDUAR-BONGAIGAON	D/C	0	849	0.0	11.9	-12	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	158	0.0	2.2	-2	
ER-NER						0.0	21.4	-21.4	
Import/Export of NER (With NR)									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	503	0.0	10.5	-10.5	
NER-NR						0.0	10.5	-10.5	
Import/Export of WR (With NR)									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	0	0.0	34.5	-34.5	
35		VCHAL B/B	D/C	243	492	2.5	5.7	-3.2	
36	765 kV	APL -MHG	D/C	0	1925	0.0	44.9	-44.9	
37		GWALIOR-AGRA	D/C	0	2646	0.0	45.8	-45.8	
38		PHAGI-GWALIOR	D/C	0	1575	0.0	23.7	-23.7	
39		JABALPUR-ORAI	D/C	0	983	0.0	32.3	-32.3	
40		GWALIOR-ORAI	S/C	701	0	11.5	0.0	11.5	
41		SATNA-ORAI	S/C	0	1399	0.0	28.8	-28.8	
42		CHITTORGARH-BANASKANTHA	D/C	295	957	0.0	4.1	-4.1	
43		ZERDA-KANKROLI	S/C	186	152	0.9	0.0	0.9	
44	400 kV	ZERDA -BHINMAL	S/C	364	305	0.1	0.0	0.1	
45		VCHAL -RIHAND	S/C	986	0	22.6	0.0	22.6	
46		RAPP-SHUJALPUR	D/C	187	314	0	1	-1	
47	220 kV	BHANPURA-RANPUR	S/C	51	61	0.8	0.1	0.7	
48		BHANPURA-MORAK	S/C	29	60	0.2	0.7	-0.5	
49		MEHGAON-AURAIYA	S/C	114	0	1.7	0.0	1.7	
50	132kV	MALANPUR-AURAIYA	S/C	62	8	0.4	0.0	0.4	
51		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						40.7	221.7	-181.1	
Import/Export of WR (With SR)									
52	HVDC	BHADRAWATI B/B	-	0	995	0.0	20.1	-20.1	
53		BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	608	2366	1.4	23.6	-22.2	
55		WARDHA-NIZAMABAD	D/C	0	2847	0.0	32.0	-32.0	
56	400 kV	KOLHAPUR-KUDGI	D/C	992	0	13.9	0.0	13.9	
57		KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58	220 kV	PONDA-AMBEWADI	S/C	0	117	0.0	2.0	-2.0	
59		XELDEM-AMBEWADI	S/C	1	75	0.6	0.0	0.6	
WR-SR						15.9	77.7	-61.8	
TRANSNATIONAL EXCHANGE									
60		BHUTAN						2.0	
61		NEPAL						-11.1	
62		BANGLADESH						-12.7	