



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: 14th 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 13.02.2020.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 13-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 13th Feb 2020, is available at the NLDC website.

धन्यवाद,

पावर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड
राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली

Report for previous day

Date of Reporting

14-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)	46992	50099	42259	18042	2411	159803
Peak Shortage (MW)	639	0	0	0	34	673
Energy Met (MU)	981	1226	1053	369	43	3671
Hydro Gen (MU)	125	45	86	29	3	287
Wind Gen (MU)	17	26	41	-----	-----	84
Solar Gen (MU)*	37.86	25.90	88.89	1.48	0.04	154
Energy Shortage (MU)	11.6	0.0	0.0	0.0	0.7	12.2
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	49689 09:15	57485 09:36	49421 07:45	19241 18:51	2337 20:36	173972 07:43

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	0.047	0.00	1.26	9.32	10.58	76.00	13.43

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	6751	0	131.3	75.6	-1.7	52	0.0
	Haryana	7224	0	136.9	89.2	-0.7	257	0.0
	Rajasthan	13864	0	249.0	81.3	1.9	377	0.0
	Delhi	3938	0	66.8	49.7	-1.2	204	0.0
	UP	15684	0	282.1	110.9	0.0	967	0.5
	Uttarakhand	2085	0	37.6	18.8	0.2	148	0.0
	HP	1615	0	27.1	21.5	-1.0	109	0.0
	J&K(UT) and Ladakh(UT)	2295	574	46.4	43.3	-1.7	229	11.1
	Chandigarh	244	0	3.8	3.7	0.1	26	0.0
WR	Chhattisgarh	3743	0	80.9	32.6	-0.9	211	0.0
	Gujarat	16037	0	348.6	103.3	5.5	597	0.0
	MP	14564	0	271.8	136.8	-2.4	802	0.0
	Maharashtra	23145	0	475.8	151.1	-2.2	568	0.0
	Goa	577	0	12.0	11.7	-0.2	42	0.0
	DD	330	0	7.4	7.0	0.4	38	0.0
	DNH	795	0	18.7	18.7	0.0	42	0.0
	Essar steel	744	0	10.3	10.3	0.0	202	0.0
	SR	Andhra Pradesh	9213	0	187.8	67.9	-0.1	225
Telangana		10712	0	223.0	116.2	-0.7	378	0.0
Karnataka		12577	0	240.9	83.7	-0.9	225	0.0
Kerala		3858	0	78.2	59.2	1.1	237	0.0
Tamil Nadu		14595	0	315.1	153.3	0.3	311	0.0
Pondy		377	0	7.7	7.9	-0.2	56	0.0
ER	Bihar	4219	0	76.1	74.2	0.2	550	0.0
	DVC	3270	0	65.8	-38.1	-0.2	250	0.0
	Jharkhand	1286	0	24.6	19.3	-0.2	100	0.0
	Odisha	4281	0	78.5	3.2	1.3	300	0.0
	West Bengal	6505	0	122.5	33.3	-0.6	200	0.0
	Sikkim	131	0	1.9	1.8	0.1	40	0.0
NER	Arunachal Pradesh	118	1	2.3	2.1	0.1	18	0.0
	Assam	1345	15	23.1	20.3	0.8	63	0.4
	Manipur	210	2	2.9	3.0	-0.1	31	0.0
	Meghalaya	378	0	6.6	5.5	0.1	43	0.2
	Mizoram	101	1	1.8	1.7	-0.1	17	0.0
	Nagaland	129	1	2.3	2.1	0.2	28	0.0
Tripura	231	0	3.6	2.2	0.1	51	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	1.8	-11.2	-12.5
Day peak (MW)	400.7	-541.6	-888.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	236.9	-254.7	113.0	-102.8	7.5	-0.1
Actual(MU)	229.0	-265.3	132.2	-110.9	9.5	-5.5
O/D/U/D(MU)	-7.8	-10.6	19.2	-8.1	2.0	-5.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	6251	13598	5872	1540	668	27929
State Sector	12925	14500	6813	6013	11	40261
Total	19176	28097	12685	7553	680	68190

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	486	1295	569	474	13	2836
Lignite	25	16	56	0	0	96
Hydro	125	45	86	29	3	287
Nuclear	24	36	19	0	0	80
Gas, Naptha & Diesel	37	46	16	0	23	123
RES (Wind, Solar, Biomass & Others)	82	61	176	2	0	321
Total	779	1499	922	504	39	3743

Share of RES in total generation (%)	10.52	4.08	19.12	0.31	0.10	8.58
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	29.66	9.48	30.50	6.01	8.12	18.38

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.024
Based on State Max Demands	1.076

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 : 14-Feb-20

Import=(+ve)
/Export =(-ve)
for NET (MU)

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	9.1	-9.1
1	765kV	GAYA-VARANASI	D/C	0	744	0.0	9.4	-9.4
2		SASARAM-FATEHPUR	S/C	112	177	0.0	2.7	-2.7
3		GAYA-BALIA	S/C	0	451	0.0	7.8	-7.8
6	400 kV	PUSAULI-VARANASI	S/C	0	272	0.0	5.7	-5.7
7		PUSAULI -ALLAHABAD	S/C	0	171	0.0	3.2	-3.2
8		MUZAFFARPUR-GORAKHPUR	D/C	166	282	0.0	1.3	-1.3
9		PATNA-BALIA	Q/C	0	775	0.0	12.5	-12.5
10		BIHARSHARIFF-BALIA	D/C	0	307	0.0	4.5	-4.5
11		MOTIHARI-GORAKHPUR	D/C	0	509	0.0	9.0	-9.0
12		BIHARSHARIFF-VARANASI	D/C	141	200	0.0	0.2	-0.2
13		220 kV	PUSAULI-SAHUPURI	S/C	0	159	0.0	2.7
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	30	0	0.6	0.0	0.6
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						0.6	68.1	-67.6
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1368	0	22.6	0.0	22.6
19		NEW RANCHI-DHARAMJAIGARH	D/C	902	0	10.1	0.0	10.1
20		JHARSUGUDA-DURG	D/C	100	131	0.0	1.0	-1.0
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	74	285	0.0	2.7	-2.7
22		RANCHI-SIPAT	D/C	298	0	3.4	0.0	3.4
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	0	0.0	0.0	0.0
24		BUDHIPADAR-KORBA	D/C	74	4	0.9	0.0	0.9
ER-WR						37.0	3.7	33.4
Import/Export of ER (With SR)								
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	536.0	0.0	12.4	-12.4
27		TALCHER-KOLAR BIPOLE	D/C	0.0	2463.0	0.0	48.7	-48.7
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	2550.0	0.0	48.8	-48.8
28	400 kV	TALCHER-I/C	D/C	400.0	624.0	0.0	3.5	-3.5
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	2.0	0.0	0.0	0.0	0.0
ER-SR						0.0	109.9	-109.9
Import/Export of ER (With NER)								
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	559	0.0	8.2	-8
31		ALIPURDUAR-BONGAIGAON	D/C	0	745	0.0	11.7	-12
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	136	0.0	1.8	-2
ER-NER						0.0	21.7	-21.7
Import/Export of NER (With NR)								
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	505	0.0	12.1	-12.1
NER-NR						0.0	12.1	-12.1
Import/Export of WR (With NR)								
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	0	0.0	22.0	-22.0
35		V'CHAL B/B	D/C	449	0	10.3	0.0	10.3
36		APL -MHG	D/C	0	1739	0.0	40.9	-40.9
37	765 kV	GWALIOR-AGRA	D/C	0	2412	0.0	42.6	-42.6
38		PHAGI-GWALIOR	D/C	0	2007	0.0	29.3	-29.3
39		JABALPUR-ORAI	D/C	0	1008	0.0	33.0	-33.0
40		GWALIOR-ORAI	S/C	791	0	12.5	0.0	12.5
41		SATNA-ORAI	S/C	0	1431	0.0	29.8	-29.8
42		CHITTORGARH-BANASKANTHA	D/C	172	992	0.0	4.5	-4.5
43	400 kV	ZERDA-KANKROLI	S/C	186	202	0.6	0.0	0.6
44		ZERDA -BHINMAL	S/C	285	435	0.0	0.6	-0.6
45		V'CHAL -RIHAND	S/C	982	0	22.8	0.0	22.8
46		RAPP-SHUJALPUR	D/C	112	529	0	2	-2
47	220 kV	BHANPURA-RANPUR	S/C	37	87	1.1	0.1	1.0
48		BHANPURA-MORAK	S/C	0	35	0.4	0.9	-0.5
49		MEHGAON-AURAIYA	S/C	135	0	1.7	0.0	1.7
50	132kV	MALANPUR-AURAIYA	S/C	85	12	0.8	0.0	0.8
51		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						50.2	205.5	-155.3
Import/Export of WR (With SR)								
52	HVDC	BHADRAWATI B/B	-	0	995	0.0	23.7	-23.7
53		BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
54	765 kV	SOLAPUR-RAICHUR	D/C	664	2079	2.2	24.4	-22.3
55		WARDHA-NIZAMABAD	D/C	0	2739	0.0	39.1	-39.1
56	400 kV	KOLHAPUR-KUDGI	D/C	1052	0	14.7	0.0	14.7
57		KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
58	220 kV	PONDA-AMBEWADI	S/C	1	116	0.0	2.2	-2.2
59		XELDEM-AMBEWADI	S/C	1	0	0.0	0.0	0.0
WR-SR						16.9	89.4	-72.5
TRANSNATIONAL EXCHANGE								
60		BHUTAN						1.8
61		NEPAL						-11.2
62		BANGLADESH						-12.5