



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 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., डोंगतिह, 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 25.02.2020.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 25-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 25th Feb 2020, is available at the NLDC website.

धन्यवाद,

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)	44540	49238	44829	15135	2319	156061
Peak Shortage (MW)	622	0	0	0	49	671
Energy Met (MU)	933	1214	1114	332	41	3634
Hydro Gen (MU)	133	43	114	24	5	318
Wind Gen (MU)	2	29	30	-----	-----	62
Solar Gen (MU)*	37.73	28.10	85.03	1.07	0.02	152
Energy Shortage (MU)	10.3	0.0	0.0	0.0	0.7	11.0
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	46500 09:08	57369 11:05	52565 09:39	16259 07:43	2380 18:23	172409 09:39

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	0.049	0.00	0.90	9.12	10.02	72.75	17.22

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	6184	0	124.8	79.8	-1.5	89	0.0
	Haryana	6210	0	124.7	91.2	-0.7	107	0.0
	Rajasthan	13916	0	244.8	80.4	-2.2	277	0.0
	Delhi	4225	0	75.0	46.8	11.4	717	0.0
	UP	13392	0	250.0	107.3	-1.1	491	0.8
	Uttarakhand	1919	0	35.3	16.9	-0.2	169	0.0
	HP	1662	0	28.9	19.8	1.9	210	0.0
	J&K(UT) and Ladakh(UT)	2488	622	46.6	42.5	-2.2	229	9.5
	Chandigarh	215	0	3.4	3.4	0.0	15	0.0
WR	Chhattisgarh	3387	0	72.2	26.1	-1.9	257	0.0
	Gujarat	16112	0	354.7	109.6	2.8	472	0.0
	MP	13247	0	249.8	124.5	-1.3	840	0.0
	Maharashtra	23543	0	494.2	165.8	-3.5	373	0.0
	Goa	510	0	10.9	10.5	-0.1	51	0.0
	DD	329	0	7.4	6.9	0.5	44	0.0
	DNH	802	0	18.7	18.7	0.0	82	0.0
	Essar steel	760	0	5.6	6.6	-1.0	221	0.0
	Andhra Pradesh	9941	0	197.6	76.2	2.1	879	0.0
SR	Telangana	13040	0	255.2	136.4	1.0	902	0.0
	Karnataka	12715	0	250.1	86.4	-0.6	613	0.0
	Kerala	3885	0	79.3	61.9	1.2	277	0.0
	Tamil Nadu	14923	0	323.8	180.3	2.1	706	0.0
	Pondy	390	0	7.9	8.0	-0.2	53	0.0
	Bihar	3436	0	61.2	61.8	-1.9	405	0.0
ER	DVC	3156	0	63.1	-40.6	0.9	320	0.0
	Jharkhand	1043	0	21.0	12.7	-1.0	160	0.0
	Odisha	3867	0	71.7	0.4	-1.4	300	0.0
	West Bengal	5935	0	113.5	26.6	-1.4	250	0.0
	Sikkim	117	0	1.6	1.7	-0.1	33	0.0
	Arunachal Pradesh	120	1	2.0	2.0	-0.2	54	0.0
NER	Assam	1341	45	22.7	19.3	0.1	105	0.4
	Manipur	197	1	2.5	2.9	-0.4	26	0.1
	Meghalaya	347	0	6.0	4.4	0.2	23	0.2
	Mizoram	97	1	1.9	1.4	0.2	28	0.0
	Nagaland	125	1	2.2	1.9	0.1	36	0.0
	Tripura	245	1	3.5	1.8	0.0	80	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	1.8	-9.0	-14.6
Day peak (MW)	301.9	-468.2	-951.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	221.2	-271.5	149.6	-110.9	11.7	0.1
Actual(MU)	207.4	-286.3	182.4	-129.5	14.7	-11.4
O/D/U/D(MU)	-13.8	-14.8	32.9	-18.6	3.0	-11.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5262	12685	5502	1430	1090	25969
State Sector	14245	14490	8325	5310	11	42381
Total	19507	27174	13827	6740	1101	68350

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	454	1281	554	469	12	2770
Lignite	29	11	54	0	0	94
Hydro	133	43	114	24	5	318
Nuclear	19	37	45	0	0	100
Gas, Naptha & Diesel	30	64	16	0	15	124
RES (Wind, Solar, Biomass & Others)	67	64	154	1	0	286
Total	732	1499	936	494	31	3693

Share of RES in total generation (%)	9.19	4.25	16.43	0.22	0.06	7.74
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	29.88	9.60	33.33	5.06	14.84	19.08

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.015
Based on State Max Demands	1.066

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 : 26-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	251	0.0	5.9	-5.9
1	765kV	GAYA-VARANASI	D/C	0	882	0.0	12.3	-12.3
2		SASARAM-FATEHPUR	S/C	0	362	0.0	5.1	-5.1
3		GAYA-BALIA	S/C	0	500	0.0	7.3	-7.3
6	400 kV	PUSAULI-VARANASI	S/C	0	209	0.0	3.9	-3.9
7		PUSAULI -ALLAHABAD	S/C	0	127	0.0	1.9	-1.9
8		MUZAFFARPUR-GORAKHPUR	D/C	120	489	0.0	3.0	-3.0
9		PATNA-BALIA	Q/C	0	632	0.0	9.5	-9.5
10		BIHARSHARIFF-BALIA	D/C	0	292	0.0	4.2	-4.2
11		MOTIHARI-GORAKHPUR	D/C	0	484	0.0	8.6	-8.6
12		BIHARSHARIFF-VARANASI	D/C	80	261	0.0	1.7	-1.7
13		220 kV	PUSAULI-SAHUPURI	S/C	0	134	0.0	2.4
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	30	0	0.3	0.0	0.3
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						0.3	65.8	-65.4
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1899	0	34.1	0.0	34.1
19		NEW RANCHI-DHARAMJAIGARH	D/C	1035	115	8.2	0.0	8.2
20		JHARSUGUDA-DURG	D/C	90	48	0.2	0.0	0.2
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	177	264	0.0	1.5	-1.5
22		RANCHI-SIPAT	D/C	290	75	1.5	0.0	1.5
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	55	0.0	0.0	0.0
24		BUDHIPADAR-KORBA	D/C	94	0	1.3	0.0	1.3
ER-WR						45.2	1.6	43.6
Import/Export of ER (With SR)								
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	736.0	0.0	15.2	-15.2
27		TALCHER-KOLAR BIPOLE	D/C	0.0	2466.0	0.0	52.9	-52.9
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	3137.0	0.0	62.9	-62.9
28	400 kV	TALCHER-I/C	D/C	0.0	739.0	0.0	7.9	-7.9
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	131.0	-131.0
Import/Export of ER (With NER)								
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	579	0.0	9.7	-10
31		ALIPURDUAR-BONGAIGAON	D/C	0	877	0.0	15.5	-16
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	176	0.0	2.8	-3
ER-NER						0.0	28.1	-28.1
Import/Export of NER (With NR)								
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	503	0.0	12.0	-12.0
NER-NR						0.0	12.0	-12.0
Import/Export of WR (With NR)								
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1051	0.0	0.6	-0.6
35		VCHAL B/B	D/C	446	253	4.0	2.0	2.0
36	765 kV	APL -MHG	D/C	0	1171	0.0	28.8	-28.8
37		GWALIOR-AGRA	D/C	0	2539	0.0	44.3	-44.3
38		PHAGI-GWALIOR	D/C	0	1640	0.0	27.1	-27.1
39		JABALPUR-ORAI	D/C	0	893	0.0	31.1	-31.1
40		GWALIOR-ORAI	S/C	684	0	11.6	0.0	11.6
41		SATNA-ORAI	S/C	0	1392	0.0	28.4	-28.4
42		CHITTORGARH-BANASKANTHA	D/C	26	870	0.0	8.4	-8.4
43		ZERDA-KANKROLI	S/C	104	160	0.0	0.5	-0.5
44	400 kV	ZERDA -BHINMAL	S/C	72	398	0.0	2.8	-2.8
45		VCHAL -RIHAND	S/C	978	0	22.6	0.0	22.6
46		RAPP-SHUJALPUR	D/C	52	386	0	3	-3
47	220 kV	BHANPURA-RANPUR	S/C	0	115	0.2	0.7	-0.6
48		BHANPURA-MORAK	S/C	9	140	0.0	1.6	-1.6
49		MEHGAON-AURAIYA	S/C	79	17	1.1	0.0	1.1
50		MALANPUR-AURAIYA	S/C	35	40	0.4	0.1	0.3
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						39.8	179.5	-139.7
Import/Export of WR (With SR)								
52	HVDC	BHADRAWATI B/B	-	0	512	0.0	11.9	-11.9
53		BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
54	765 kV	SOLAPUR-RAICHUR	D/C	0	2614	0.0	40.4	-40.4
55		WARDHA-NIZAMABAD	D/C	0	3501	0.0	60.4	-60.4
56	400 kV	KOLHAPUR-KUDGI	D/C	823	11	9.5	0.0	9.5
57		KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
58	220 kV	PONDA-AMBEWADI	S/C	0	66	0.0	1.4	-1.4
59		XELDEM-AMBEWADI	S/C	0	85	1.7	0.0	1.7
WR-SR						11.1	114.1	-102.9
TRANSNATIONAL EXCHANGE								
60		BHUTAN						1.8
61		NEPAL						-9.0
62		BANGLADESH						-14.6