



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: 25th 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 24.02.2020.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 24-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 24rd 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 25-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)	43810	49793	50436	17297	2295	163631
Peak Shortage (MW)	589	0	0	0	23	612
Energy Met (MU)	923	1227	1090	339	39	3617
Hydro Gen (MU)	130	47	111	30	4	322
Wind Gen (MU)	5	39	49	-----	-----	93
Solar Gen (MU)*	35.07	26.30	90.44	1.55	0.02	153
Energy Shortage (MU)	11.1	0.0	0.0	0.0	0.3	11.4
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	47015 07:36	58824 11:23	51259 09:54	18298 19:30	2427 18:24	173816 09:31

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	0.94	8.89	9.83	73.96	16.22

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	5893	0	121.8	78.2	-1.3	176	0.0
	Haryana	6064	0	120.5	85.2	0.2	226	0.0
	Rajasthan	13765	0	242.6	73.5	2.1	482	0.0
	Delhi	3587	0	63.9	47.5	0.1	224	0.0
	UP	13462	0	259.9	114.8	-1.1	545	0.6
	Uttarakhand	1904	0	34.9	15.9	0.1	179	0.0
	HP	1607	0	27.5	19.6	0.6	165	0.0
	J&K(UT) and Ladakh(UT)	2400	600	48.4	44.0	-1.0	229	10.5
WR	Chandigarh	220	0	3.4	3.3	0.1	37	0.0
	Chhattisgarh	3583	0	75.8	31.0	-2.1	185	0.0
	Gujarat	16529	0	356.3	104.8	4.9	602	0.0
	MP	13253	0	252.2	125.0	-2.7	482	0.0
	Maharashtra	24323	0	495.9	162.6	-0.8	534	0.0
	Goa	510	0	10.5	10.1	-0.1	47	0.0
	DD	327	0	7.3	6.8	0.5	53	0.0
	DNH	808	0	18.7	18.7	0.0	100	0.0
SR	Essar steel	772	0	9.8	10.1	-0.3	198	0.0
	Andhra Pradesh	9661	0	195.0	67.6	0.9	731	0.0
	Telangana	12769	0	255.1	134.1	-0.8	1010	0.0
	Karnataka	12468	0	242.7	85.3	-0.3	656	0.0
	Kerala	3823	0	77.6	61.9	0.5	182	0.0
	Tamil Nadu	14824	0	311.6	168.6	-0.3	490	0.0
	Pondy	361	0	7.5	7.9	-0.4	23	0.0
	ER	Bihar	3937	0	64.5	62.4	-1.0	247
DVC		3167	0	64.3	-39.2	-0.5	242	0.0
Jharkhand		1243	0	22.2	13.4	-0.5	103	0.0
Odisha		3721	0	70.3	4.2	-0.9	201	0.0
West Bengal		6412	0	116.3	26.8	-1.7	143	0.0
Sikkim		119	0	1.4	1.6	-0.2	28	0.0
NER	Arunachal Pradesh	116	1	2.3	2.1	0.1	57	0.0
	Assam	1399	14	20.7	19.5	-0.3	157	0.0
	Manipur	189	2	2.6	2.8	-0.2	23	0.0
	Meghalaya	326	0	5.5	4.2	0.1	24	0.2
	Mizoram	98	1	1.9	1.5	0.0	15	0.0
	Nagaland	124	0	2.1	2.0	0.1	46	0.0
Tripura	231	3	3.6	1.8	0.1	39	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	2.2	-10.3	-14.6
Day peak (MW)	258.7	-595.0	-939.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	213.7	-266.4	145.8	-104.3	11.3	0.0
Actual(MU)	204.2	-274.7	168.0	-111.9	14.6	0.2
O/D/U/D(MU)	-9.5	-8.3	22.2	-7.6	3.3	0.1

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5331	13017	5402	1930	1090	26770
State Sector	14720	15016	8325	5470	11	43542
Total	20051	28032	13727	7400	1101	70311

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	458	1274	539	462	11	2744
Lignite	26	13	51	0	0	90
Hydro	130	47	111	30	4	322
Nuclear	19	37	45	0	0	100
Gas, Naptha & Diesel	33	60	15	0	13	122
RES (Wind, Solar, Biomass & Others)	68	71	177	2	0	318
Total	734	1501	938	494	29	3696

Share of RES in total generation (%)	9.26	4.72	18.90	0.31	0.07	8.60
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	29.57	10.28	35.48	6.38	15.29	20.03

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.023
Based on State Max Demands	1.059

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 : 25-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	6.2	-6.2
1	765kV	GAYA-VARANASI	D/C	0	862	0.0	10.7	-10.7
2		SASARAM-FATEHPUR	S/C	104	279	0.0	2.5	-2.5
3		GAYA-BALIA	S/C	0	441	0.0	7.9	-7.9
6	400 kV	PUSAULI-VARANASI	S/C	0	202	0.0	4.1	-4.1
7		PUSAULI -ALLAHABAD	S/C	0	123	0.0	1.9	-1.9
8		MUZAFFARPUR-GORAKHPUR	D/C	93	651	0.0	5.8	-5.8
9		PATNA-BALIA	Q/C	0	780	0.0	9.5	-9.5
10		BIHARSHARIFF-BALIA	D/C	22	252	0.0	3.3	-3.3
11		MOTIHARI-GORAKHPUR	D/C	0	491	0.0	2.7	-2.7
12		BIHARSHARIFF-VARANASI	D/C	144	227	0.0	0.7	-0.7
13		220 kV	PUSAULI-SAHUPURI	S/C	0	192	0.0	3.2
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	58.4	-58.2
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1863	0	32.9	0.0	32.9
19		NEW RANCHI-DHARAMJAIGARH	D/C	926	0	8.9	0.0	8.9
20		JHARSUGUDA-DURG	D/C	325	60	1.3	0.0	1.3
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	183	257	0.0	0.4	-0.4
22		RANCHI-SIPAT	D/C	293	3	3.0	0.0	3.0
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	0	0.0	0.0	0.0
24		BUDHIPADAR-KORBA	D/C	128	0	1.7	0.0	1.7
ER-WR						47.8	0.4	47.4
Import/Export of ER (With SR)								
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	705.0	0.0	16.3	-16.3
27		TALCHER-KOLAR BIPOLE	D/C	0.0	2454.0	0.0	50.2	-50.2
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	3200.0	0.0	57.8	-57.8
28	400 kV	TALCHER-I/C	D/C	0.0	975.0	0.0	7.5	-7.5
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	124.2	-124.2
Import/Export of ER (With NER)								
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	547	0.0	9.5	-9
31		ALIPURDUAR-BONGAIGAON	D/C	0	825	0.0	14.1	-14
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	158	0.0	2.5	-3
ER-NER						0.0	26.2	-26.2
Import/Export of NER (With NR)								
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	502	0.0	11.2	-11.2
NER-NR						0.0	11.2	-11.2
Import/Export of WR (With NR)								
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	0	0.0	0.0	0.0
35		V'CHAL B/B	D/C	449	493	5.3	2.7	2.6
36		APL -MHG	D/C	0	1917	0.0	29.6	-29.6
37	765 kV	GWALIOR-AGRA	D/C	0	2597	0.0	44.4	-44.4
38		PHAGI-GWALIOR	D/C	0	1582	0.0	25.2	-25.2
39		JABALPUR-ORAI	D/C	0	988	0.0	32.3	-32.3
40		GWALIOR-ORAI	S/C	658	0	11.7	0.0	11.7
41		SATNA-ORAI	S/C	0	1414	0.0	29.9	-29.9
42		CHITTORGARH-BANASKANTHA	D/C	116	917	0.0	5.9	-5.9
43	400 kV	ZERDA-KANKROLI	S/C	134	180	0.0	0.2	-0.2
44		ZERDA -BHINMAL	S/C	90	415	0.0	3.0	-3.0
45		V'CHAL -RIHAND	S/C	978	0	22.7	0.0	22.7
46		RAPP-SHUJALPUR	D/C	142	387	0	1	-1
47	220 kV	BHANPURA-RANPUR	S/C	7	117	0.1	1.1	-1.0
48		BHANPURA-MORAK	S/C	1	156	0.0	1.9	-1.9
49		MEHGAON-AURAIYA	S/C	86	8	1.1	0.0	1.1
50	132kV	MALANPUR-AURAIYA	S/C	44	34	0.4	0.1	0.3
51		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						41.3	177.6	-136.3
Import/Export of WR (With SR)								
52	HVDC	BHADRAWATI B/B	-	0	992	0.0	7.9	-7.9
53		BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
54	765 kV	SOLAPUR-RAICHUR	D/C	0	2861	0.0	34.6	-34.6
55		WARDHA-NIZAMABAD	D/C	0	3541	0.0	56.8	-56.8
56	400 kV	KOLHAPUR-KUDGI	D/C	841	0	10.8	0.0	10.8
57		KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
58	220 kV	PONDA-AMBEWADI	S/C	0	66	0.0	1.3	-1.3
59		XELDEM-AMBEWADI	S/C	0	97	1.8	0.0	1.8
WR-SR						12.5	100.6	-88.0
TRANSNATIONAL EXCHANGE								
60		BHUTAN						2.2
61		NEPAL						-10.3
62		BANGLADESH						-14.6