



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: 28th 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 27.02.2020.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 27-फरवरी-2020 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रांभांप्रेके 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 27th 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 28-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)	43687	50372	45339	15995	2378	157771
Peak Shortage (MW)	555	0	0	0	30	585
Energy Met (MU)	921	1209	1117	344	39	3630
Hydro Gen (MU)	135	48	109	28	7	327
Wind Gen (MU)	18	25	44	-----	-----	87
Solar Gen (MU)*	34.69	27.00	92.12	1.44	0.02	155
Energy Shortage (MU)	12.4	0.0	0.0	0.0	1.8	14.1
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	46604 08:51	57867 10:48	52586 09:46	17619 19:50	2401 18:23	173004 09:26

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	0.032	0.00	0.35	4.17	4.51	77.33	18.16

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	6083	0	121.8	79.0	-2.1	7	0.0
	Haryana	6063	0	123.0	89.1	0.0	103	0.0
	Rajasthan	13915	0	245.7	75.6	-2.2	239	0.0
	Delhi	3461	0	62.5	46.4	-0.3	268	0.0
	UP	13967	0	250.6	111.7	-0.8	771	0.9
	Uttarakhand	1901	0	36.0	16.8	0.7	163	0.0
	HP	1631	0	29.1	22.2	-0.3	119	0.0
	J&K(UT) and Ladakh(UT)	2222	555	48.8	40.3	-0.9	229	11.5
	Chandigarh	219	0	3.5	3.3	0.1	16	0.0
WR	Chhattisgarh	3679	0	79.2	32.6	-1.9	234	0.0
	Gujarat	15921	0	344.5	98.5	4.2	512	0.0
	MP	13222	0	250.6	125.8	-2.5	324	0.0
	Maharashtra	23759	0	493.4	143.6	-2.2	388	0.0
	Goa	519	0	10.9	10.5	-0.2	37	0.0
	DD	314	0	7.2	6.8	0.4	32	0.0
	DNH	815	0	19.1	19.0	0.1	87	0.0
	Essar steel	729	0	3.9	4.8	-0.9	218	0.0
	SR	Andhra Pradesh	9954	0	199.0	78.6	0.8	602
Telangana		12810	0	249.7	134.1	-0.4	632	0.0
Karnataka		12751	0	252.0	80.9	-0.7	621	0.0
Kerala		3964	0	80.6	62.3	1.3	169	0.0
Tamil Nadu		14784	0	328.3	171.5	0.9	585	0.0
Pondy		377	0	7.9	8.1	-0.2	28	0.0
ER		Bihar	3912	0	69.0	66.6	-0.4	363
	DVC	3007	0	64.4	-36.8	-0.3	186	0.0
	Jharkhand	1268	0	22.3	13.0	0.6	156	0.0
	Odisha	3559	0	67.5	2.8	-0.6	194	0.0
	West Bengal	6101	0	119.7	26.7	-0.3	387	0.0
	Sikkim	115	0	1.5	1.7	-0.2	12	0.0
NER	Arunachal Pradesh	120	2	2.1	2.3	-0.3	33	0.0
	Assam	1343	18	21.0	17.3	-0.1	71	1.5
	Manipur	201	3	2.6	3.0	-0.4	25	0.0
	Meghalaya	341	0	5.7	4.6	-0.1	50	0.2
	Mizoram	104	1	1.6	1.6	-0.2	27	0.0
	Nagaland	134	2	2.2	2.0	0.1	37	0.0
Tripura	221	0	3.4	1.8	0.0	33	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	2.6	-9.7	-14.9
Day peak (MW)	458.6	-538.3	-953.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	215.9	-273.9	151.1	-104.2	10.9	-0.1
Actual(MU)	201.6	-253.6	159.4	-116.9	10.2	0.7
O/D/U/D(MU)	-14.3	20.2	8.3	-12.7	-0.7	0.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5581	13355	5752	500	1090	26278
State Sector	15240	12344	7035	4596	11	39226
Total	20821	25698	12787	5096	1101	65503

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	427	1275	555	464	11	2732
Lignite	22	9	48	0	0	78
Hydro	135	48	109	28	7	327
Nuclear	19	37	45	0	0	101
Gas, Naptha & Diesel	30	71	17	0	15	134
RES (Wind, Solar, Biomass & Others)	79	61	173	1	0	314
Total	713	1500	946	493	33	3685

Share of RES in total generation (%)	11.12	4.03	18.24	0.30	0.06	8.52
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	32.77	9.66	34.47	5.95	21.04	20.11

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.024
Based on State Max Demands	1.061

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 : 28-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	200	0.0	0.7	-0.7
5		PUSAULI B/B	S/C	0	251	0.0	6.3	-6.3
1	765kV	GAYA-VARANASI	D/C	0	805	0.0	10.9	-10.9
2		SASARAM-FATEHPUR	S/C	0	308	0.0	4.5	-4.5
3		GAYA-BALIA	S/C	0	435	0.0	7.3	-7.3
6	400 kV	PUSAULI-VARANASI	S/C	0	192	0.0	3.9	-3.9
7		PUSAULI -ALLAHABAD	S/C	0	258	0.0	2.3	-2.3
8		MUZAFFARPUR-GORAKHPUR	D/C	149	459	0.0	2.1	-2.1
9		PATNA-BALIA	Q/C	0	626	0.0	8.7	-8.7
10		BIHARSHARIFF-BALIA	D/C	6	284	0.0	3.2	-3.2
11		MOTIHARI-GORAKHPUR	D/C	0	540	0.0	9.7	-9.7
12		BIHARSHARIFF-VARANASI	D/C	146	229	0.0	0.6	-0.6
13		220 kV	PUSAULI-SAHUPURI	S/C	0	144	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	0.4	0.0	0.4
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						0.4	62.9	-62.5
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1560	0	30.9	0.0	30.9
19		NEW RANCHI-DHARAMJAIGARH	D/C	876	0	8.8	0.0	8.8
20		JHARSUGUDA-DURG	D/C	0	22	0.3	0.0	0.3
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	84	175	0.0	0.7	-0.7
22		RANCHI-SIPAT	D/C	283	0	2.3	0.0	2.3
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	78	0.0	1.0	-1.0
24		BUDHIPADAR-KORBA	D/C	161	0	2.8	0.0	2.8
ER-WR						45.1	1.7	43.4
Import/Export of ER (With SR)								
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	699.0	0.0	16.2	-16.2
27		TALCHER-KOLAR BIPOLE	D/C	0.0	2455.0	0.0	49.8	-49.8
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	2945.0	0.0	60.5	-60.5
28	400 kV	TALCHER-I/C	D/C	0.0	639.0	0.0	5.0	-5.0
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	126.5	-126.5
Import/Export of ER (With NER)								
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	591	0.0	8.1	-8
31		ALIPURDUAR-BONGAIGAON	D/C	0	891	0.0	12.4	-12
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	165	0.0	2.1	-2
ER-NER						0.0	22.6	-22.6
Import/Export of NER (With NR)								
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	503	0.0	12.3	-12.3
NER-NR						0.0	12.3	-12.3
Import/Export of WR (With NR)								
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	489	0.0	1.0	-1.0
35		V'CHAL B/B	D/C	447	0	8.4	0.0	8.4
36		APL -MHG	D/C	0	1459	0.0	28.3	-28.3
37	765 kV	GWALIOR-AGRA	D/C	0	2559	0.0	42.5	-42.5
38		PHAGI-GWALIOR	D/C	0	1697	0.0	26.6	-26.6
39		JABALPUR-ORAI	D/C	0	983	0.0	32.7	-32.7
40		GWALIOR-ORAI	S/C	679	0	11.2	0.0	11.2
41		SATNA-ORAI	S/C	0	1391	0.0	28.5	-28.5
42		CHITTORGARH-BANASKANTHA	D/C	95	906	0.0	8.4	-8.4
43	400 kV	ZERDA-KANKROLI	S/C	146	200	0.0	0.3	-0.3
44		ZERDA -BHINMAL	S/C	240	445	0.0	1.3	-1.3
45		V'CHAL -RIHAND	S/C	987	0	22.8	0.0	22.8
46		RAPP-SHUJALPUR	D/C	55	469	0	2	-2
47	220 kV	BHANPURA-RANPUR	S/C	0	113	0.2	1.0	-0.8
48		BHANPURA-MORAK	S/C	13	164	0.0	1.7	-1.7
49		MEHGAON-AURAIYA	S/C	113	0	1.5	0.0	1.5
50	132kV	MALANPUR-AURAIYA	S/C	42	27	0.4	0.1	0.3
51		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						44.5	174.4	-129.8
Import/Export of WR (With SR)								
52	HVDC	BHADRAWATI B/B	-	0	515	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	2462	0.0	39.3	-39.3
55	400 kV	WARDHA-NIZAMABAD	D/C	0	3276	0.0	35.7	-35.7
56		KOLHAPUR-KUDGI	D/C	937	0	11.3	0.0	11.3
57		KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
58	220 kV	PONDA-AMBEWADI	S/C	0	68	0.0	1.4	-1.4
59		XELDEM-AMBEWADI	S/C	0	99	1.8	0.0	1.8
WR-SR						13.1	88.2	-75.2
TRANSNATIONAL EXCHANGE								
60		BHUTAN						2.6
61		NEPAL						-9.7
62		BANGLADESH						-14.9