



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: 01st Mar 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 29.02.2020.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 29-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 29th 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

1-Mar-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)	39379	49770	43905	17579	2389	153022
Peak Shortage (MW)	501	0	0	0	28	529
Energy Met (MU)	858	1224	1118	347	41	3587
Hydro Gen (MU)	138	45	109	29	5	326
Wind Gen (MU)	20	38	46	-----	-----	104
Solar Gen (MU)*	35.12	25.10	91.46	1.48	0.05	153
Energy Shortage (MU)	10.1	0.0	0.0	0.0	0.8	10.8
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	44714 08:38	57699 10:54	52405 09:26	18076 18:37	2443 18:25	171322 09:22

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	0.036	0.00	0.58	5.16	5.74	76.81	17.45

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	4846	0	96.9	64.6	-1.9	117	0.0
	Haryana	5680	0	108.0	81.6	0.3	286	0.0
	Rajasthan	13486	0	236.0	62.7	-5.2	135	0.0
	Delhi	3322	0	60.3	44.4	-0.9	171	0.0
	UP	12989	0	247.3	109.1	-1.5	896	0.0
	Uttarakhand	1865	0	34.9	16.4	0.1	201	0.0
	HP	1555	0	27.9	21.7	-0.9	183	0.0
	J&K(UT) and Ladakh(UT)	2188	547	42.7	39.2	-2.6	229	10.0
	Chandigarh	218	0	3.5	3.4	0.1	47	0.0
WR	Chhattisgarh	3765	0	83.7	38.4	-1.5	163	0.0
	Gujarat	16538	0	361.6	104.6	3.1	378	0.0
	MP	13371	0	248.3	122.6	-4.2	488	0.0
	Maharashtra	23142	0	484.8	149.0	0.0	638	0.0
	Goa	599	0	11.6	11.3	-0.2	89	0.0
	DD	327	0	7.4	7.0	0.4	35	0.0
	DNH	803	0	19.4	19.0	0.4	57	0.0
	Essar steel	741	0	6.8	6.6	0.2	270	0.0
SR	Andhra Pradesh	9818	0	200.8	73.0	0.0	388	0.0
	Telangana	13013	0	255.9	137.0	1.5	727	0.0
	Karnataka	12692	0	248.0	84.4	-0.2	717	0.0
	Kerala	3753	0	79.2	62.4	1.3	253	0.0
	Tamil Nadu	14691	0	326.4	177.6	0.9	538	0.0
	Pondy	371	0	7.8	8.0	-0.2	24	0.0
ER	Bihar	3937	0	68.2	67.2	-0.6	529	0.0
	DVC	3062	0	63.6	-30.6	0.2	348	0.0
	Jharkhand	1346	0	24.1	17.3	-1.0	75	0.0
	Odisha	3742	0	69.2	4.9	-0.6	398	0.0
	West Bengal	6373	0	120.5	28.8	0.1	254	0.0
NER	Sikkim	157	0	1.6	1.7	-0.1	61	0.0
	Arunachal Pradesh	124	3	2.1	1.9	0.1	87	0.0
	Assam	1365	17	23.1	18.5	0.9	105	0.5
	Manipur	187	1	2.7	2.8	-0.2	30	0.0
	Meghalaya	347	2	5.9	4.6	0.1	44	0.2
	Mizoram	93	3	1.6	1.4	-0.2	36	0.0
	Nagaland	128	1	2.2	1.9	0.2	32	0.0
Tripura	226	5	3.4	1.4	-0.2	72	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	1.6	-10.3	-15.7
Day peak (MW)	268.8	-501.9	-999.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	180.9	-255.1	157.0	-91.9	9.3	0.2
Actual(MU)	165.8	-262.9	175.7	-97.3	13.0	-5.7
O/D/U/D(MU)	-15.1	-7.8	18.7	-5.4	3.7	-5.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5863	11725	5752	1160	727	25226
State Sector	14730	12879	7625	4642	11	39887
Total	20593	24603	13377	5802	738	65113

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	425	1262	550	452	11	2700
Lignite	21	9	46	0	0	77
Hydro	138	45	109	29	5	326
Nuclear	18	37	45	0	0	100
Gas, Naptha & Diesel	30	74	18	0	17	138
RES (Wind, Solar, Biomass & Others)	82	70	172	2	0	326
Total	714	1498	940	482	33	3666

Share of RES in total generation (%)	11.47	4.71	18.32	0.32	0.15	8.89
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	33.33	10.16	34.68	6.29	15.86	20.50

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.023
Based on State Max Demands	1.056

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 :	1-Mar-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	251	0.0	6.3	-6.3	
1	765kV	GAYA-VARANASI	D/C	123	555	0.0	6.4	-6.4	
2		SASARAM-FATEHPUR	S/C	146	266	0.0	2.3	-2.3	
3		GAYA-BALIA	S/C	0	416	0.0	5.7	-5.7	
6	400 kV	PUSAULI-VARANASI	S/C	0	220	0.0	4.5	-4.5	
7		PUSAULI -ALLAHABAD	S/C	0	112	0.0	1.6	-1.6	
8		MUZAFFARPUR-GORAKHPUR	D/C	212	387	0.0	0.6	-0.6	
9		PATNA-BALIA	Q/C	0	633	0.0	7.1	-7.1	
10		BIHARSHARIFF-BALIA	D/C	54	336	0.0	3.1	-3.1	
11		MOTIHARI-GORAKHPUR	D/C	0	523	0.0	9.2	-9.2	
12		BIHARSHARIFF-VARANASI	D/C	215	163	0.9	0.0	0.9	
13		220 kV	PUSAULI-SAHUPURI	S/C	0	154	0.0	2.7	-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						1.3	49.5	-48.2	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1711	0	33.3	0.0	33.3	
19		NEW RANCHI-DHARAMJAIGARH	D/C	750	174	8.0	0.0	8.0	
20		JHARSUGUDA-DURG	D/C	0	22	0.0	0.6	-0.6	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	49	419	0.0	4.4	-4.4	
22		RANCHI-SIPAT	D/C	207	104	1.8	0.0	1.8	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	4	107	0.0	1.1	-1.1	
24		BUDHIPADAR-KORBA	D/C	183	0	2.8	0.0	2.8	
ER-WR						45.8	6.0	39.7	
Import/Export of ER (With SR)									
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	695.0	0.0	16.2	-16.2	
27		TALCHER-KOLAR BIPOLE	D/C	0.0	2466.0	0.0	35.4	-35.4	
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	3125.0	0.0	62.5	-62.5	
28	400 kV	TALCHER-I/C	D/C	1752.0	656.0	9.0	0.0	9.0	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	114.2	-114.2	
Import/Export of ER (With NER)									
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	561	0.0	9.1	-9	
31		ALIPURDUAR-BONGAIGAON	D/C	0	844	0.0	13.9	-14	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	160	0.0	2.5	-2	
ER-NER						0.0	25.5	-25.5	
Import/Export of NER (With NR)									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	502	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	312	0.0	6.2	-6.2	
35		VCHAL B/B	D/C	360	101	7.3	0.0	7.3	
36		APL -MHG	D/C	0	1455	0.0	31.4	-31.4	
37	765 kV	GWALIOR-AGRA	D/C	0	2508	0.0	39.1	-39.1	
38		PHAGI-GWALIOR	D/C	0	1408	0.0	20.3	-20.3	
39		JABALPUR-ORAI	D/C	0	900	0.0	25.8	-25.8	
40		GWALIOR-ORAI	S/C	590	0	9.4	0.0	9.4	
41		SATNA-ORAI	S/C	0	1410	0.0	26.0	-26.0	
42		CHITTORGARH-BANASKANTHA	D/C	208	734	0.8	4.5	-3.8	
43	400 kV	ZERDA-KANKROLI	S/C	153	133	1.0	0.0	1.0	
44		ZERDA -BHINMAL	S/C	239	271	0.1	0.0	0.1	
45		VCHAL-RIHAND	S/C	987	0	22.7	0.0	22.7	
46		RAPP-SHUJALPUR	D/C	157	327	0	1	-1	
47	220 kV	BHANPURA-RANPUR	S/C	18	110	0.2	0.7	-0.5	
48		BHANPURA-MORAK	S/C	20	133	0.0	1.5	-1.4	
49		MEHGAON-AURAIYA	S/C	91	26	1.1	0.0	1.1	
50	132kV	MALANPUR-AURAIYA	S/C	47	30	0.4	0.1	0.3	
51		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						43.0	156.2	-113.3	
Import/Export of WR (With SR)									
52	HVDC	BHADRAWATI B/B	-	0	508	0.0	12.3	-12.3	
53		BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	0	2758	0.0	45.0	-45.0	
55		WARDHA-NIZAMABAD	D/C	0	3206	0.0	61.1	-61.1	
56	400 kV	KOLHAPUR-KUDGI	D/C	800	0	9.7	0.0	9.7	
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58		PONDA-AMBEWADI	S/C	0	110	0.0	1.7	-1.7	
59		XELDEM-AMBEWADI	S/C	1	104	1.1	0.0	1.1	
WR-SR						10.8	120.0	-109.2	
TRANSNATIONAL EXCHANGE									
60		BHUTAN						1.6	
61		NEPAL						-10.3	
62		BANGLADESH						-15.7	