



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: 15th 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 14.02.2020.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 14-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 14th 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

15-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)	48381	50139	47376	17836	2428	166160
Peak Shortage (MW)	1044	0	0	0	42	1086
Energy Met (MU)	973	1225	1069	359	43	3669
Hydro Gen (MU)	127	49	91	31	3	300
Wind Gen (MU)	8	32	19	-----	-----	59
Solar Gen (MU)*	40.85	27.40	101.94	1.53	0.03	172
Energy Shortage (MU)	12.1	0.0	0.0	0.0	0.7	12.7
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	49453 08:35	56978 09:25	49260 08:07	18538 18:54	2523 18:09	172970 07:45

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	0.040	0.00	0.61	6.55	7.16	75.87	16.97

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	6393	0	131.4	78.3	-1.1	114	0.0
	Haryana	6690	0	136.8	87.4	-0.3	223	0.0
	Rajasthan	14144	0	248.1	84.4	3.0	370	0.0
	Delhi	4016	0	66.8	51.3	-0.8	212	0.0
	UP	15442	0	273.9	110.8	0.9	1198	0.5
	Uttarakhand	2082	0	37.2	18.1	-0.1	114	0.0
	HP	1635	0	27.2	20.9	-0.8	265	0.0
	J&K(UT) and Ladakh(UT)	2438	1219	48.3	45.0	-0.4	229	11.5
	Chandigarh	247	0	3.7	3.6	0.1	26	0.0
WR	Chhattisgarh	3825	0	82.6	34.3	-1.2	160	0.0
	Gujarat	15893	0	348.7	102.0	4.0	529	0.0
	MP	14674	0	271.4	141.6	-2.3	802	0.0
	Maharashtra	22934	0	474.7	153.3	1.1	980	0.0
	Goa	508	0	11.3	10.7	0.0	49	0.0
	DD	331	0	7.4	7.0	0.4	37	0.0
	DNH	785	0	18.5	18.5	0.0	44	0.0
	Essar steel	773	0	10.8	11.2	-0.4	227	0.0
	SR	Andhra Pradesh	9298	0	189.0	69.0	-0.5	362
Telangana		11164	0	225.7	114.3	0.2	495	0.0
Karnataka		12747	0	244.6	92.0	-0.5	557	0.0
Kerala		3795	0	77.6	59.5	0.7	260	0.0
Tamil Nadu		14726	0	324.0	165.0	3.2	430	0.0
Pondy		370	0	7.8	7.9	-0.1	42	0.0
ER	Bihar	4162	0	75.6	72.0	1.7	400	0.0
	DVC	3144	0	63.4	-38.0	0.1	300	0.0
	Jharkhand	1275	0	23.0	18.9	0.1	100	0.0
	Odisha	4024	0	73.6	0.4	2.2	350	0.0
	West Bengal	6576	0	121.7	32.7	-0.7	100	0.0
	Sikkim	131	0	2.0	1.9	0.1	40	0.0
NER	Arunachal Pradesh	120	2	2.2	2.4	-0.3	13	0.0
	Assam	1402	34	23.6	20.9	1.2	140	0.4
	Manipur	194	1	2.7	3.0	-0.3	35	0.0
	Meghalaya	380	3	6.7	5.7	-0.1	35	0.2
	Mizoram	106	1	1.6	1.7	-0.4	20	0.0
	Nagaland	129	2	2.2	2.0	0.1	36	0.0
	Tripura	223	9	3.8	1.6	-0.3	28	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	2.6	-10.9	-6.9
Day peak (MW)	328.3	-569.8	-627.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	239.8	-262.6	123.6	-113.0	7.5	-4.7
Actual(MU)	231.1	-270.1	148.9	-122.1	7.4	-4.9
O/D/U/D(MU)	-8.8	-7.5	25.3	-9.0	-0.1	-0.1

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5301	12988	5372	1540	668	25869
State Sector	12325	14964	7175	5050	11	39525
Total	17626	27952	12547	6590	680	65395

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	482	1286	586	475	14	2843
Lignite	21	14	58	0	0	93
Hydro	127	49	91	31	3	300
Nuclear	24	36	19	0	0	79
Gas, Naptha & Diesel	37	44	16	0	23	120
RES (Wind, Solar, Biomass & Others)	75	69	158	2	0	304
Total	765	1498	928	507	40	3738

Share of RES in total generation (%)	9.85	4.60	17.01	0.31	0.07	8.12
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	29.52	10.26	28.85	6.37	8.22	18.27

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.022
Based on State Max Demands	1.080

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 :	15-Feb-20
Sl No	Voltage Level	Line Details	Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)	
								Import=(+ve) /Export =(-ve) for NET (MU)	
Import/Export of ER (With NR)									
4	HVDC	ALIPURDUAR-AGRA	-	0	500	0.0	5.7	-5.7	
5		PUSAULI B/B	S/C	0	378	0.0	9.5	-9.5	
1	765kV	GAYA-VARANASI	D/C	0	786	0.0	9.8	-9.8	
2		SASARAM-FATEHPUR	S/C	119	208	0.0	1.1	-1.1	
3		GAYA-BALIA	S/C	0	487	0.0	8.4	-8.4	
6	400 kV	PUSAULI-VARANASI	S/C	0	285	0.0	6.0	-6.0	
7		PUSAULI -ALLAHABAD	S/C	0	182	0.0	3.2	-3.2	
8		MUZAFFARPUR-GORAKHPUR	D/C	263	276	0.0	1.1	-1.1	
9		PATNA-BALIA	Q/C	0	846	0.0	14.3	-14.3	
10		BIHARSHARIFF-BALIA	D/C	6	340	0.0	5.2	-5.2	
11		MOTIHARI-GORAKHPUR	D/C	0	492	0.0	9.0	-9.0	
12		BIHARSHARIFF-VARANASI	D/C	230	204	0.0	0.0	0.0	
13		220 kV	PUSAULI-SAHUPURI	S/C	0	172	0.0	3.1	-3.1
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
15		GARWAH-RIHAND	S/C	30	0	0.5	0.0	0.5	
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	0.5	76.3	-75.8
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1454	0	24.6	0.0	24.6	
19		NEW RANCHI-DHARAMJAIGARH	D/C	974	0	9.6	0.0	9.6	
20		JHARSUGUDA-DURG	D/C	44	138	0.0	1.3	-1.3	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	54	406	0.0	2.6	-2.6	
22		RANCHI-SIPAT	D/C	301	0	3.1	0.0	3.1	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	0	0.0	0.0	0.0	
24		BUDHIPADAR-KORBA	D/C	87	0	1.1	0.0	1.1	
						ER-WR	38.4	3.9	34.4
Import/Export of ER (With SR)									
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	703.0	0.0	15.4	-15.4	
27		TALCHER-KOLAR BIPOLE	D/C	0.0	2463.0	0.0	49.7	-49.7	
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	2627.0	0.0	51.0	-51.0	
28	400 kV	TALCHER-I/C	D/C	0.0	633.0	0.0	4.6	-4.6	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	2.0	0.0	0.0	0.0	0.0	
						ER-SR	0.0	116.1	-116.1
Import/Export of ER (With NER)									
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	595	0.0	8.8	-9	
31		ALIPURDUAR-BONGAIGAON	D/C	0	637	0.0	9.0	-9	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	134	0.0	1.9	-2	
						ER-NER	0.0	19.6	-19.6
Import/Export of NER (With NR)									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	504	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	7.4	-7.4	
35		V'CHAL B/B	D/C	449	105	4.3	1.6	2.7	
36	765 kV	APL -MHG	D/C	0	1919	0.0	44.2	-44.2	
37		GWALIOR-AGRA	D/C	0	2449	0.0	41.0	-41.0	
38		PHAGI-GWALIOR	D/C	0	1854	0.0	28.8	-28.8	
39		JABALPUR-ORAI	D/C	0	989	0.0	31.3	-31.3	
40		GWALIOR-ORAI	S/C	735	0	12.3	0.0	12.3	
41		SATNA-ORAI	S/C	0	1415	0.0	28.2	-28.2	
42		CHITTORGARH-BANASKANTHA	D/C	334	846	0.0	4.2	-4.2	
43		ZERDA-KANKROLI	S/C	197	175	0.2	0.0	0.2	
44	400 kV	ZERDA -BHINMAL	S/C	259	412	0.0	2.2	-2.2	
45		V'CHAL -RIHAND	S/C	980	0	23.1	0.0	23.1	
46		RAPP-SHUJALPUR	D/C	140	448	0	2	-2	
47	220 kV	BHANPURA-RANPUR	S/C	0	32	1.0	0.1	0.9	
48		BHANPURA-MORAK	S/C	0	35	0.3	0.7	-0.4	
49		MEHGAON-AURAIYA	S/C	115	0	1.7	0.0	1.7	
50		MALANPUR-AURAIYA	S/C	68	4	0.9	0.0	0.9	
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						WR-NR	43.8	191.5	-147.7
Import/Export of WR (With SR)									
52	HVDC	BHADRAWATI B/B	-	0	992	0.0	23.9	-23.9	
53		BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	68	2043	0.0	26.4	-26.4	
55		WARDHA-NIZAMABAD	D/C	0	2651	0.0	40.5	-40.5	
56	400 kV	KOLHAPUR-KUDGI	D/C	897	0	11.1	0.0	11.1	
57		KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58	220 kV	PONDA-AMBEWADI	S/C	2	109	0.0	1.6	-1.6	
59		XELDEM-AMBEWADI	S/C	1	94	1.1	0.0	1.0	
						WR-SR	12.2	92.3	-80.2
TRANSNATIONAL EXCHANGE									
60		BHUTAN						2.6	
61		NEPAL						-10.9	
62		BANGLADESH						-6.9	