



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: 06th 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 05.02.2020.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 05-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 05th 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)	48072	48888	41918	18179	2443	159500
Peak Shortage (MW)	582	0	0	0	40	622
Energy Met (MU)	989	1175	1047	357	42	3609
Hydro Gen (MU)	125	38	85	38	5	291
Wind Gen (MU)	24	33	29	-----	-----	86
Solar Gen (MU)*	35.83	25.60	85.32	1.49	0.04	148
Energy Shortage (MU)	12.8	0.0	0.0	0.0	0.6	13.4
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	50068 19:21	55781 10:22	49705 07:42	18687 19:23	2533 17:51	171230 09:32

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	0.12	0.47	5.53	6.12	74.46	19.42

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	6274	0	120.5	63.9	-0.4	125	0.0
	Haryana	6700	0	131.6	86.3	1.0	230	0.3
	Rajasthan	13913	484	250.3	84.7	4.1	604	0.0
	Delhi	4129	0	71.7	55.6	-0.4	196	0.0
	UP	16241	245	290.9	114.8	1.0	740	0.2
	Uttarakhand	2183	0	39.3	21.7	0.5	150	0.0
	HP	1702	0	30.1	24.4	-1.5	27	0.0
	J&K(UT) and Ladakh(UT)	2646	661	50.2	44.7	0.1	420	12.4
	Chandigarh	269	0	4.1	4.0	0.1	19	0.0
	Chhattisgarh	3477	0	74.1	28.5	-1.6	177	0.0
WR	Gujarat	15541	0	332.6	88.0	3.1	580	0.0
	MP	14324	0	262.7	136.5	-3.1	348	0.0
	Maharashtra	22638	0	464.8	149.4	-1.7	572	0.0
	Goa	482	0	10.0	9.8	-0.3	30	0.0
	DD	332	0	7.4	7.1	0.3	36	0.0
	DNH	774	0	18.1	18.2	-0.1	40	0.0
	Essar steel	757	0	5.4	5.4	0.0	231	0.0
	Andhra Pradesh	9268	0	184.6	65.2	-0.1	332	0.0
SR	Telangana	11455	0	228.9	118.9	0.1	547	0.0
	Karnataka	12389	0	239.1	74.4	0.0	620	0.0
	Kerala	3719	0	75.6	56.0	1.5	197	0.0
	Tamil Nadu	14415	0	311.0	167.0	0.3	476	0.0
	Pondy	369	0	7.5	7.7	-0.2	28	0.0
	Bihar	4450	0	77.4	74.3	-0.4	200	0.0
ER	DVC	3213	0	63.6	-40.9	-0.5	150	0.0
	Jharkhand	1299	0	25.2	20.3	-0.4	100	0.0
	Odisha	3643	0	68.9	1.0	1.5	220	0.0
	West Bengal	6339	0	119.9	25.1	-0.4	220	0.0
	Sikkim	145	0	2.0	1.7	0.3	30	0.0
	Arunachal Pradesh	129	1	2.3	2.3	-0.1	20	0.0
NER	Assam	1405	22	22.7	20.4	-0.3	123	0.3
	Manipur	214	1	2.7	3.1	-0.4	19	0.0
	Meghalaya	386	0	6.6	6.1	-0.2	55	0.3
	Mizoram	106	2	1.8	1.8	-0.3	28	0.0
	Nagaland	120	1	2.4	2.1	0.2	19	0.0
	Tripura	225	0	3.1	1.7	-0.4	27	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	1.9	-10.7	-11.3
Day peak (MW)	449.6	-569.0	-859.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	229.4	-254.9	127.2	-109.4	7.7	0.1
Actual(MU)	229.3	-250.4	125.6	-107.5	5.6	2.6
O/D/U/D(MU)	-0.1	4.6	-1.6	1.8	-2.1	2.5

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5736	14247	6422	1745	703	28853
State Sector	12265	15284	5980	5420	11	38960
Total	18001	29530	12402	7165	715	67813

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	485	1258	564	448	13	2767
Lignite	18	14	46	0	0	78
Hydro	125	38	85	38	5	291
Nuclear	25	33	39	0	0	97
Gas, Naptha & Diesel	32	38	18	0	24	112
RES (Wind, Solar, Biomass & Others)	89	67	156	1	0	314
Total	775	1447	908	488	41	3660

Share of RES in total generation (%)	11.55	4.61	17.22	0.31	0.10	8.58
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	30.92	9.50	30.89	8.19	11.70	19.19

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.032
Based on State Max Demands	1.084

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 :	6-Feb-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	297	0.0	7.4	-7.4	
1	765kV	GAYA-VARANASI	D/C	0	956	0.0	10.8	-10.8	
2		SASARAM-FATEHPUR	S/C	0	413	0.0	5.0	-5.0	
3		GAYA-BALIA	S/C	0	616	0.0	8.6	-8.6	
6	400 kV	PUSAULI-VARANASI	S/C	0	219	0.0	4.4	-4.4	
7		PUSAULI -ALLAHABAD	S/C	0	152	0.0	2.8	-2.8	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	638	0.0	5.1	-5.1	
9		PATNA-BALIA	Q/C	0	989	0.0	13.7	-13.7	
10		BIHARSHARIFF-BALIA	D/C	0	395	0.0	5.4	-5.4	
11		MOTIHARI-GORAKHPUR	D/C	0	311	0.0	6.3	-6.3	
12		BIHARSHARIFF-VARANASI	D/C	25	376	0.0	3.1	-3.1	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	112	0.0	1.6	-1.6	
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
15		GARWAH-RIHAND	S/C	30	0	0.7	0.0	0.7	
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						0.7	74.1	-73.4	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1246	0	18.7	0.0	18.7	
19		NEW RANCHI-DHARAMJAIGARH	D/C	505	263	1.8	0.0	1.8	
20		JHARSUGUDA-DURG	D/C	203	198	0.0	1.1	-1.1	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	157	293	0.0	0.8	-0.8	
22		RANCHI-SIPAT	D/C	203	63	1.2	0.0	1.2	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	0	0.0	0.0	0.0	
24		BUDHIPADAR-KORBA	D/C	76	10	1.0	0.0	1.0	
ER-WR						22.8	1.8	20.9	
Import/Export of ER (With SR)									
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	730.0	0.0	12.7	-12.7	
27		TALCHER-KOLAR BIPOLE	D/C	0.0	2463.0	0.0	45.7	-45.7	
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	2464.0	0.0	43.9	-43.9	
28	400 kV	TALCHER-I/C	D/C	0.0	1105.0	0.0	12.1	-12.1	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	102.3	-102.3	
Import/Export of ER (With NER)									
30	400 kV	BINAGURI-BONGAIGAON	D/C	231	96	1.7	0.0	2	
31		ALIPURDUAR-BONGAIGAON	D/C	367	87	3.0	0.0	3	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	64	19	0.6	0.0	1	
ER-NER						5.3	0.0	5.3	
Import/Export of NER (With NR)									
33	HVDC	BISWANATH CHARIALI-AGRA	-	493	0	11.0	0.0	11.0	
NER-NR						11.0	0.0	11.0	
Import/Export of WR (With NR)									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	2008	0.0	39.6	-39.6	
35		VCHAL B/B	D/C	445	0	6.5	0.0	6.5	
36		APL -MHG	D/C	0	1553	0.0	34.0	-34.0	
37	765 kV	GWALIOR-AGRA	D/C	0	2567	0.0	44.9	-44.9	
38		PHAGI-GWALIOR	D/C	0	2009	0.0	28.4	-28.4	
39		JABALPUR-ORAI	D/C	0	1092	0.0	33.6	-33.6	
40		GWALIOR-ORAI	S/C	849	0	13.5	0.0	13.5	
41		SATNA-ORAI	S/C	0	1526	0.0	28.8	-28.8	
42		CHITTORGARH-BANASKANTHA	D/C	459	852	0.0	3.6	-3.6	
43		ZERDA-KANKROLI	S/C	229	165	0.7	0.0	0.7	
44	400 kV	ZERDA -BHINMAL	S/C	347	385	0.0	0.8	-0.8	
45		VCHAL -RIHAND	S/C	989	0	22.4	0.0	22.4	
46		RAPP-SHUJALPUR	D/C	118	543	0	3	-3	
47	220 kV	BHANPURA-RANPUR	S/C	29	84	0.5	0.3	0.2	
48		BHANPURA-MORAK	S/C	46	101	0.1	1.0	-0.9	
49		MEHGAON-AURAIYA	S/C	114	0	1.7	0.0	1.7	
50	132kV	MALANPUR-AURAIYA	S/C	65	19	0.8	0.0	0.8	
51		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						46.1	218.0	-171.9	
Import/Export of WR (With SR)									
52	HVDC	BHADRAWATI B/B	-	0	1006	0.0	12.5	-12.5	
53		BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	324	1979	0.0	17.1	-17.1	
55		WARDHA-NIZAMABAD	D/C	0	2620	0.0	39.8	-39.8	
56	400 kV	KOLHAPUR-KUDGI	D/C	1052	0	9.2	0.0	9.2	
57		KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58	220 kV	PONDA-AMBEWADI	S/C	1	0	0.0	0.0	0.0	
59		XELDEM-AMBEWADI	S/C	0	79	1.4	0.0	1.4	
WR-SR						10.6	69.4	-58.7	
TRANSNATIONAL EXCHANGE									
60		BHUTAN						1.9	
61		NEPAL						-10.7	
62		BANGLADESH						-11.3	