



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: 07th May 2019

To,

- कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के., 14, गोल्फ क्लब रोड, कोलकाता - 700033
Executive Director, ERLDC, 14 Golf Club Road, Tollygunge, Kolkata, 700033
- 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
- 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
- मुख्य महाप्रबंधक, ऊ. पू.क्षे.भा.प्रे.के., डोंगतेिह, लोअर नोंग्रह, लापलंग, शिलोंग - 793006
Chief General Manager, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
- 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 06.05.2019.

महोदय/Dear Sir,

आईंईंजींसीं-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 06-मई-2019 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रांभांप्रेंकें 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 06th May 2019, is available at the NLDC website.

धन्यवाद,

Report for previous day

Date of Reporting

7-May-19

A. Power Supply Position at All India and Regional level

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs)	51369	49901	44591	20017	2395	168273
Peak Shortage (MW)	554	0	0	0	224	778
Energy Met (MU)	1144	1217	1045	410	41	3857
Hydro Gen (MU)	232	54	86	93	27	492
Wind Gen (MU)	42	62	54	-----	-----	157
Solar Gen (MU)*	34.39	25.72	85.89	1.06	0.04	147
Energy Shortage (MU)	11.2	0.0	0.0	0.0	2.1	13.4
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	55059 23:06	54455 16:04	46206 14:36	20711 21:35	2367 18:54	174525 22:39

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	0.043	0.01	1.91	6.18	8.10	80.36	11.54

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	7293	0	150.1	74.1	-1.9	211	0.0
	Haryana	8165	0	156.6	122.6	0.6	616	0.2
	Rajasthan	10170	0	223.1	59.9	-1.2	488	0.0
	Delhi	5209	0	106.7	91.3	-1.2	221	0.0
	UP	19570	0	380.9	171.3	-0.8	639	0.0
	Uttarakhand	1969	0	48.5	19.9	-0.3	202	0.0
	HP	1288	0	26.7	6.6	0.8	201	0.0
	J&K	2392	598	46.4	28.0	0.7	330	11.0
	Chandigarh	245	0	4.9	5.6	-0.7	0	0.0
	WR	Chhattisgarh	4205	0	96.3	51.3	-2.5	276
Gujarat		16998	0	373.2	100.3	0.5	466	0.0
MP		9135	0	208.7	107.8	0.0	636	0.0
Maharashtra		22188	0	497.2	145.5	-1.4	458	0.0
Goa		541	0	10.7	11.2	-1.0	45	0.0
DD		320	0	7.0	6.7	0.3	50	0.0
DNH		795	0	18.4	18.5	-0.1	65	0.0
Essar steel		319	0	5.7	5.7	0.0	302	0.0
Andhra Pradesh		9306	0	196.6	60.6	-0.4	454	0.0
Telangana		7843	0	169.7	47.0	-0.3	533	0.0
SR	Karnataka	12158	0	236.2	77.2	1.7	797	0.0
	Kerala	4077	0	84.4	54.6	1.4	231	0.0
	Tamil Nadu	15308	0	349.6	167.8	0.3	889	0.0
	Pondy	432	0	8.9	8.9	0.0	53	0.0
	Bihar	5037	0	88.1	85.6	0.0	255	0.0
	DVC	2976	0	64.2	-42.0	-0.5	297	0.0
ER	Jharkhand	1229	0	25.3	15.5	-0.9	50	0.0
	Odisha	3359	0	66.7	16.6	-0.7	275	0.0
	West Bengal	8374	0	164.0	48.4	-0.8	256	0.0
	Sikkim	99	0	1.2	1.6	-0.4	20	0.0
	Arunachal Pradesh	108	3	1.9	2.9	-1.0	31	0.0
	Assam	1402	172	23.0	16.5	1.0	115	2.1
NER	Manipur	172	3	2.3	2.2	0.1	27	0.0
	Meghalaya	307	0	5.6	1.2	0.0	57	0.0
	Mizoram	94	2	1.7	1.6	0.0	24	0.0
	Nagaland	122	3	2.0	1.9	0.1	18	0.0
	Tripura	282	1	4.6	4.8	-0.4	40	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	20.4	-9.3	-26.6
Day peak (MW)	1133.7	-561.8	-1125.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	251.4	-252.9	101.0	-82.6	-17.3	-0.4
Actual(MU)	236.3	-259.6	136.2	-94.1	-20.8	-1.9
O/D/U/D(MU)	-15.1	-6.7	35.2	-11.4	-3.5	-1.5

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4967	11885	7852	1350	91	26144
State Sector	8410	12849	3910	3275	50	28494
Total	13377	24734	11762	4625	141	54638

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	515	1257	558	451	12	2794
Lignite	16	16	47	0	0	78
Hydro	232	54	86	93	27	492
Nuclear	28	31	37	0	0	95
Gas, Naptha & Diesel	31	49	16	0	28	123
RES (Wind, Solar, Biomass & Others)	100	94	173	1	0	368
Total	921	1500	917	545	67	3950

Share of RES in total generation (%)	10.83	6.26	18.89	0.20	0.06	9.32
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	39.02	11.94	32.30	17.19	40.16	24.18

H. Diversity Factor

All India Demand Diversity Factor	1.024
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Diversity factor = Sum of regional 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 : 7-May-19

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)									
1	765kV	GAYA-VARANASI	D/C	15	290	0.0	4.4	-4.4	
2		SASARAM-FATEHPUR	S/C	112	257	0.0	2.7	-2.7	
3		GAYA-BALIA	S/C	0	316	0.0	3.9	-3.9	
4		ALIPURDUAR-AGRA	-	0	901	0.0	21.7	-21.7	
5		PUSAULI B/B	S/C	0	49	0.0	1.3	-1.3	
6	400 kV	PUSAULI-VARANASI	S/C	0	65	0.0	0.8	-0.8	
7		PUSAULI -ALLAHABAD	S/C	5	53	0.0	0.3	-0.3	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	941	0.0	14.3	-14.3	
9		PATNA-BALIA	Q/C	0	991	0.0	17.0	-17.0	
10		BIHARSHARIFF-BALIA	D/C	0	409	0.0	6.8	-6.8	
11		MOTIHARI-GORAKHPUR	D/C	0	360	0.0	6.1	-6.1	
12	220 kV	BIHARSHARIFF-VARANASI	D/C	46	276	0.0	3.2	-3.2	
13		PUSAULI-SAHUPURI	S/C	0	208	0.0	3.7	-3.7	
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	86.1	-85.8	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1509	0	27.7	0.0	27.7	
19		NEW RANCHI-DHARAMJAIGARH	D/C	899	298	9.2	0.0	9.2	
20		JHARSUGUDA-DURG	D/C	86	156	0.0	0.6	-0.6	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	69	254	0.0	2.0	-2.0	
22		RANCHI-SIPAT	D/C	261	92	2.3	0.0	2.3	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	97	0.0	1.5	-1.5	
24		BUDHIPADAR-KORBA	D/C	101	0	1.7	0.0	1.7	
ER-WR						40.8	4.2	36.6	
Import/Export of ER (With SR)									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1889.0	0.0	33.1	-33.1	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	692.0	0.0	16.0	-16.0	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1974.0	0.0	47.4	-47.4	
28	400 kV	TALCHER-I/C	D/C	0.0	534.0	0.0	7.9	-7.9	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	96.5	-96.5	
Import/Export of ER (With NER)									
30	400 kV	BINAGURI-BONGAIGAON	D/C	184	312	0.0	0.1	0	
31		ALIPURDUAR-BONGAIGAON	D/C	665	0	11.2	0.0	11	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	76	19	0.7	0.0	1	
ER-NER						11.9	0.1	11.8	
Import/Export of NER (With NR)									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	401	0.0	9.7	-9.7	
NER-NR						0.0	9.7	-9.7	
Import/Export of WR (With NR)									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1826	0.0	7.5	-7.5	
35		V'CHAL B/B	D/C	47	0	3.4	0.0	3.4	
36		APL -MHG	D/C	0	1170	0.0	26.1	-26.1	
37	765 kV	GWALIOR-AGRA	D/C	0	2492	0.0	42.0	-42.0	
38		PHAGI-GWALIOR	D/C	0	1177	0.0	22.5	-22.5	
39		JABALPUR-ORAI	D/C	0	883	0.0	30.7	-30.7	
40		GWALIOR-ORAI	S/C	438	0	8.8	0.0	8.8	
41		SATNA-ORAI	S/C	0	1426	0.0	28.2	-28.2	
42		CHITORGARH-BANASKANTHA	D/C	0	777	6.2	0.0	6.2	
43	400 kV	ZERDA-KANKROLI	S/C	276	81	2.0	0.0	2.0	
44		ZERDA -BHINMAL	S/C	203	114	0.5	0.0	0.5	
45		V'CHAL -RIHAND	S/C	651	0	11.2	0.0	11.2	
46		RAPP-SHUJALPUR	D/C	274	264	0	0	0	
47	220 kV	BHANPURA-KOTA	S/C	46	48	0.0	1.0	-1.0	
48		BHANPURA-MORAK	S/C	0	137	0.0	1.7	-1.7	
49		MEHGAON-AURAIYA	S/C	52	0	0.5	0.0	0.5	
50		MALANPUR-AURAIYA	S/C	31	32	0.1	0.3	-0.2	
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						32.6	160.5	-127.9	
Import/Export of WR (With SR)									
52	HVDC	BHADRAWATI B/B	-	0	992	0.0	23.7	-23.7	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	0	1978	0.0	32.2	-32.2	
55		WARDHA-NIZAMABAD	D/C	0	1778	0.0	27.8	-27.8	
56	400 kV	KOLHAPUR-KUDGI	D/C	337	210	3.0	0.0	3.0	
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58		PONDA-AMBEWADI	S/C	1	0	0.0	0.0	0.0	
59		XELDEM-AMBEWADI	S/C	0	60	1.2	0.0	1.2	
WR-SR						4.2	83.7	-79.5	
TRANSNATIONAL EXCHANGE									
60		BHUTAN						20.4	
61		NEPAL						-9.3	
62		BANGLADESH						-26.6	