



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: 18th May 2019

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. मुख्य महाप्रबंधक, ऊ.पू.क्षे.भा.प्रे.के., डोंगतिह, लोअर नोंग्रह, लापलंग, शिलोंग - 793006
Chief General Manager, 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 17.05.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 17-मई-2019 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 17th May 2019, 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

18-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)	43471	50202	43299	22033	2293	161298
Peak Shortage (MW)	522	0	30	0	306	858
Energy Met (MU)	1089	1223	1037	484	43	3874
Hydro Gen (MU)	252	59	68	67	16	454
Wind Gen (MU)	9	80	72	-----	-----	169
Solar Gen (MU)*	23.95	26.8	81.99	2.14	0.03	135
Energy Shortage (MU)	10.9	0.0	0.1	0.0	1.7	12.7
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	51209 00:00	54139 15:02	45058 12:30	23164 21:48	2399 19:03	170600 00:00

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	0.038	0.00	0.36	6.54	6.90	73.83	19.27

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	6285	0	137.9	77.1	-1.7	232	0.0
	Haryana	7199	0	143.5	112.5	-4.2	148	0.0
	Rajasthan	9602	0	192.2	53.1	-2.4	643	0.0
	Delhi	4855	0	100.9	89.9	0.0	219	0.1
	UP	19050	0	394.2	173.8	-1.6	467	0.0
	Uttarakhand	1992	0	40.8	19.0	-0.9	135	0.0
	HP	1402	0	28.2	7.6	1.3	190	0.0
	J&K	2178	544	46.1	25.4	-0.4	306	10.8
WR	Chandigarh	225	0	4.7	5.8	-1.0	0	0.0
	Chhattisgarh	4069	0	94.1	43.4	-0.6	352	0.0
	Gujarat	16922	0	374.3	83.0	3.8	807	0.0
	MP	9390	0	216.6	102.9	0.0	641	0.0
	Maharashtra	21799	0	495.1	122.4	0.3	572	0.0
	Goa	541	0	11.5	11.3	-0.4	60	0.0
	DD	332	0	7.3	6.8	0.5	40	0.0
	DNH	765	0	17.9	18.0	-0.1	52	0.0
SR	Essar steel	304	0	5.9	5.7	0.2	285	0.0
	Andhra Pradesh	9272	0	197.4	50.2	0.3	535	0.0
	Telangana	8000	0	175.9	50.9	0.1	659	0.0
	Karnataka	11299	0	222.2	62.6	-0.1	628	0.0
	Kerala	4142	0	83.6	60.8	1.4	225	0.0
	Tamil Nadu	15273	0	348.3	171.5	1.2	594	0.0
	Pondy	429	30	9.2	9.2	0.0	41	0.1
	ER	Bihar	5364	0	103.1	99.6	-0.9	200
DVC		3219	0	67.6	-47.0	-0.9	250	0.0
Jharkhand		1236	0	28.9	18.3	1.3	150	0.0
Odisha		4378	0	90.0	24.5	3.0	500	0.0
West Bengal		9400	0	192.9	66.1	0.6	400	0.0
NER	Sikkim	90	0	1.1	1.4	-0.3	20	0.0
	Arunachal Pradesh	138	2	2.3	2.5	-0.2	32	0.0
	Assam	1430	80	24.8	19.8	1.1	137	1.2
	Manipur	178	2	2.3	2.3	0.0	24	0.0
	Meghalaya	296	0	5.0	3.1	-0.1	33	0.4
	Mizoram	90	3	1.7	1.3	0.4	18	0.0
	Nagaland	115	2	2.1	2.1	0.0	17	0.0
	Tripura	229	20	4.4	3.9	-0.6	88	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	6.8	-9.7	-25.6
Day peak (MW)	520.6	-500.9	-1102.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	220.0	-275.2	103.9	-39.3	-9.3	0.1
Actual(MU)	196.9	-274.8	130.8	-37.9	-11.0	4.0
O/D/U/D(MU)	-23.1	0.4	26.9	1.4	-1.7	3.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4907	12759	8472	1350	35	27524
State Sector	9855	12575	3520	3405	50	29405
Total	14762	25334	11992	4755	85	56928

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	533	1249	567	474	12	2835
Lignite	15	15	48	0	0	78
Hydro	252	50	68	67	16	454
Nuclear	28	31	35	0	0	94
Gas, Naptha & Diesel	28	50	15	0	29	122
RES (Wind, Solar, Biomass & Others)	56	121	181	2	0	360
Total	912	1516	913	543	58	3942

Share of RES in total generation (%)	6.10	8.00	19.82	0.40	0.05	9.14
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	36.82	13.36	31.05	12.80	28.10	23.02

H. Diversity Factor

All India Demand Diversity Factor	1.031
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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 : 18-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	354	116	0.9	0.0	0.9
2		SASARAM-FATEHPUR	S/C	310	66	0.0	1.5	-1.5
3		GAYA-BALIA	S/C	0	232	0.0	3.6	-3.6
4	HVDC	ALIPURDUAR-AGRA	-	0	902	0.0	21.3	-21.3
5		PUSAULI B/B	S/C	0	49	0.0	1.3	-1.3
6	400 kV	PUSAULI-VARANASI	S/C	0	138	0.0	2.0	-2.0
7		PUSAULI -ALLAHABAD	S/C	79	0	0.9	0.0	0.9
8		MUZAFFARPUR-GORAKHPUR	D/C	189	412	0.0	3.8	-3.8
9		PATNA-BALIA	Q/C	187	465	0.0	9.1	-9.1
10		BIHARSHARIFF-BALIA	D/C	51	234	0.0	3.7	-3.7
11		MOTIHARI-GORAKHPUR	D/C	0	324	0.0	5.5	-5.5
12		BIHARSHARIFF-VARANASI	D/C	326	62	1.2	0.0	1.2
13	220 kV	PUSAULI-SAHUPURI	S/C	0	203	0.0	4.2	-4.2
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						3.4	55.9	-52.5
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	2679	0	34.2	0.0	34.2
19		NEW RANCHI-DHARAMJAIGARH	D/C	1076	0	15.2	0.0	15.2
20		JHARSUGUDA-DURG	D/C	255	43	2.2	0.0	2.2
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	498	0	6.1	0.0	6.1
22		RANCHI-SIPAT	D/C	365	0	5.4	0.0	5.4
23	220 kV	BUDHIPADAR-RAIGARH	S/C	2	88	0.0	1.0	-1.0
24		BUDHIPADAR-KORBA	D/C	173	0	2.5	0.0	2.5
ER-WR						65.6	1.0	64.6
Import/Export of ER (With SR)								
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1750.0	0.0	31.9	-31.9
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	673.0	0.0	13.9	-13.9
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2463.0	0.0	41.2	-41.2
28	400 kV	TALCHER-I/C	D/C	228.0	1238.0	0.0	6.9	-6.9
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	87.0	-87.0
Import/Export of ER (With NER)								
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	428	0.0	4.5	-4
31		ALIPURDUAR-BONGAIGAON	D/C	442	0	6.3	0.0	6
32	220 kV	ALIPURDUAR-SALAKATI	D/C	45	52	0.2	0.0	0
ER-NER						6.5	4.5	2.0
Import/Export of NER (With NR)								
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	403	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	2004	0.0	30.2	-30.2
35		V'CHAL B/B	D/C	206	0	6.2	0.0	6.2
36		APL -MHG	D/C	0	1452	0.0	36.3	-36.3
37	765 kV	GWALIOR-AGRA	D/C	0	2462	0.0	38.4	-38.4
38		PHAGI-GWALIOR	D/C	26	1081	0.0	13.6	-13.6
39		JABALPUR-ORAI	D/C	0	769	0.0	20.4	-20.4
40		GWALIOR-ORAI	S/C	587	0	7.1	0.0	7.1
41		SATNA-ORAI	S/C	0	1309	0.0	27.4	-27.4
42		CHITTORGARH-BANASKANTHA	D/C	91	404	0.0	2.9	2.9
43		ZERDA-KANKROLI	S/C	170	70	1.6	0.0	1.6
44	400 kV	ZERDA -BHINMAL	S/C	48	190	0.0	1.0	-1.0
45		V'CHAL -RIHAND	S/C	973	0	12.6	0.0	12.6
46	220 kV	RAPP-SHUJALPUR	D/C	322	187	1	0	1
47		BHANPURA-KOTA	S/C	73	36	0.3	0.4	-0.1
48		BHANPURA-MORAK	S/C	13	110	0.0	0.9	-0.9
49		MEHGAON-AURAIYA	S/C	49	30	0.3	0.1	0.2
50	132kV	MALANPUR-AURAIYA	S/C	18	47	0.0	0.5	-0.5
51		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						28.7	172.1	-137.5
Import/Export of WR (With SR)								
52	HVDC	BHADRAWATI B/B	-	0	985	0.0	18.4	-18.4
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
54	765 kV	SOLAPUR-RAICHUR	D/C	0	2486	0.0	33.0	-33.0
55		WARDHA-NIZAMABAD	D/C	0	2392	0.0	33.4	-33.4
56	400 kV	KOLHAPUR-KUDGI	D/C	569	183	0.0	3.0	-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	53	1.1	0.0	1.1
WR-SR						1.1	87.8	-86.7
TRANSNATIONAL EXCHANGE								
60		BHUTAN						6.8
61		NEPAL						-9.7
62		BANGLADESH						-25.6