



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: 14th 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 13.05.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 13-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 13th May 2019, is available at the NLDC website.

धन्यवाद,

Report for previous day

Date of Reporting

14-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)	45899	49618	42029	20228	1864	159638
Peak Shortage (MW)	502	0	30	0	562	1094
Energy Met (MU)	1157	1212	1016	464	36	3884
Hydro Gen (MU)	242	56	66	73	15	451
Wind Gen (MU)	23	74	105	-----	-----	202
Solar Gen (MU)*	25.14	25.3	82.08	0.92	0.04	133
Energy Shortage (MU)	11.0	0.0	0.3	0.0	7.9	19.2
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	52979 14:59	54923 14:58	44965 14:49	21983 00:03	1910 19:32	175256 14:53

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	0.049	0.00	0.05	8.72	8.76	67.82	23.41

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	7698	0	156.3	76.4	-3.9	65	0.0	
	Haryana	7197	0	152.5	118.2	-3.7	209	0.0	
	Rajasthan	10143	0	215.5	66.3	-1.0	341	0.0	
	Delhi	5482	0	110.5	93.1	-0.4	180	0.1	
	UP	18080	0	399.9	172.6	-0.6	305	0.0	
	Uttarakhand	2094	0	42.9	20.0	0.1	171	0.0	
	HP	1340	0	27.7	6.8	1.4	138	0.0	
	J&K	2166	542	46.6	26.5	0.5	342	11.0	
	Chandigarh	267	0	5.1	5.7	-0.7	13	0.0	
	WR	Chhattisgarh	4002	0	91.9	48.2	-1.1	307	0.0
Gujarat		17349	0	378.4	85.6	5.7	654	0.0	
MP		8793	0	200.3	100.6	0.0	592	0.0	
Maharashtra		22537	0	499.8	129.6	-0.8	538	0.0	
Goa		541	0	11.5	9.8	1.1	165	0.0	
DD		320	0	7.1	6.7	0.4	85	0.0	
DNH		777	0	18.0	18.0	0.0	119	0.0	
Essar steel		250	0	4.8	5.7	-0.9	161	0.0	
SR		Andhra Pradesh	9012	0	193.3	53.6	-0.5	529	0.0
		Telangana	8013	0	167.1	42.5	-0.2	765	0.0
	Karnataka	11467	0	219.6	56.2	0.0	426	0.0	
	Kerala	4125	0	85.3	57.7	1.4	234	0.3	
	Tamil Nadu	15009	0	341.5	151.3	-0.6	607	0.0	
	Pondy	429	0	9.0	9.1	0.0	74	0.0	
	ER	Bihar	5291	0	104.2	99.1	1.6	300	0.0
DVC		3081	0	66.8	-47.6	0.0	350	0.0	
Jharkhand		1000	0	26.5	17.1	-0.5	100	0.0	
Odisha		4175	0	91.0	30.4	-1.0	389	0.0	
West Bengal		9114	0	174.5	60.8	-0.6	425	0.0	
Sikkim		94	0	1.1	1.5	-0.4	20	0.0	
NER	Arunachal Pradesh	105	3	1.8	2.1	-0.3	34	0.0	
	Assam	1185	296	19.0	14.7	0.4	224	7.2	
	Manipur	156	2	2.1	1.8	0.3	52	0.0	
	Meghalaya	288	1	4.7	2.7	0.0	60	0.4	
	Mizoram	88	2	1.7	1.2	0.4	28	0.0	
	Nagaland	115	4	1.8	1.8	-0.1	39	0.1	
	Tripura	231	3	4.6	4.6	0.1	45	0.1	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	11.2	-9.5	-26.4
Day peak (MW)	843.9	-501.9	-1111.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	235.7	-269.4	93.6	-47.5	-12.3	0.1
Actual(MU)	223.8	-261.5	106.4	-54.8	-14.4	-0.5
O/D/U/D(MU)	-11.9	7.9	12.8	-7.3	-2.1	-0.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4607	13859	9482	1850	65	29864
State Sector	9465	13181	3580	3195	50	29471
Total	14072	27040	13062	5045	115	59334

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	558	1226	536	469	12	2801
Lignite	21	13	45	0	0	79
Hydro	242	56	66	73	15	451
Nuclear	28	31	36	0	0	95
Gas, Naptha & Diesel	37	59	16	0	28	140
RES (Wind, Solar, Biomass & Others)	71	106	221	1	0	399
Total	956	1489	921	543	55	3964

Share of RES in total generation (%)	7.43	7.08	24.01	0.18	0.07	10.06
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	35.59	12.90	35.15	13.60	26.94	23.83

H. Diversity Factor

All India Demand Diversity Factor	1.009
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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 : 14-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	274	196	0.0	0.4	-0.4
2		SASARAM-FATEHPUR	S/C	227	165	0.0	0.7	-0.7
3		GAYA-BALIA	S/C	0	213	0.0	3.8	-3.8
4		ALIPURDUAR-AGRA	-	0	901	0.0	22.2	-22.2
5		PUSAULI B/B	S/C	0	49	0.0	1.3	-1.3
6	400 kV	PUSAULI-VARANASI	S/C	0	126	0.0	1.6	-1.6
7		PUSAULI -ALLAHABAD	S/C	66	25	0.4	0.0	0.4
8		MUZAFFARPUR-GORAKHPUR	D/C	131	711	0.0	9.7	-9.7
9		PATNA-BALIA	Q/C	0	740	0.0	13.8	-13.8
10		BIHARSHARIFF-BALIA	D/C	0	333	0.0	6.1	-6.1
11		MOTIHARI-GORAKHPUR	D/C	0	311	0.0	5.5	-5.5
12		BIHARSHARIFF-VARANASI	D/C	264	177	0.0	1.0	-1.0
13	220 kV	PUSAULI-SAHUPURI	S/C	0	224	0.0	4.0	-4.0
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						0.8	70.0	-69.1
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1988	0	29.0	0.0	29.0
19		NEW RANCHI-DHARAMJAIGARH	D/C	858	0	13.6	0.0	13.6
20		JHARSUGUDA-DURG	D/C	218	25	2.6	0.0	2.6
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	221	82	2.0	0.0	2.0
22		RANCHI-SIPAT	D/C	276	0	3.4	0.0	3.4
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	91	0.0	1.4	-1.4
24		BUDHIPADAR-KORBA	D/C	155	0	2.3	0.0	2.3
ER-WR						52.8	1.4	51.5
Import/Export of ER (With SR)								
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1799.0	0.0	25.4	-25.4
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	684.0	0.0	16.0	-16.0
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2448.0	0.0	43.7	-43.7
28	400 kV	TALCHER-I/C	D/C	83.0	906.0	0.0	3.5	-3.5
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	85.1	-85.1
Import/Export of ER (With NER)								
30	400 kV	BINAGURI-BONGAIGAON	D/C	122	264	0.0	1.8	-2
31		ALIPURDUAR-BONGAIGAON	D/C	591	0	9.3	0.0	9
32	220 kV	ALIPURDUAR-SALAKATI	D/C	65	11	0.5	0.0	0
ER-NER						9.7	1.8	7.9
Import/Export of NER (With NR)								
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	300	0.0	7.2	-7.2
NER-NR						0.0	7.2	-7.2
Import/Export of WR (With NR)								
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1510	0.0	30.4	-30.4
35		V'CHAL B/B	D/C	243	0	6.1	0.0	6.1
36		APL -MHG	D/C	0	1173	0.0	29.1	-29.1
37	765 kV	GWALIOR-AGRA	D/C	0	2208	0.0	42.4	-42.4
38		PHAGI-GWALIOR	D/C	0	1464	0.0	20.5	-20.5
39		JABALPUR-ORAI	D/C	0	768	0.0	23.6	-23.6
40		GWALIOR-ORAI	S/C	423	0	6.2	0.0	6.2
41		SATNA-ORAI	S/C	0	1457	0.0	30.1	-30.1
42		CHITORGARH-BANASKANTHA	D/C	26	434	0.0	6.4	6.4
43		ZERDA-KANKROLI	S/C	156	37	0.7	0.0	0.7
44	400 kV	ZERDA -BHINMAL	S/C	112	133	0.0	0.6	-0.6
45		V'CHAL -RIHAND	S/C	975	0	22.5	0.0	22.5
46		RAPP-SHUJALPUR	D/C	108	149	1	0	1
47	220 kV	BHANPURA-KOTA	S/C	26	39	0.1	0.7	-0.7
48		BHANPURA-MORAK	S/C	0	105	0.0	1.4	-1.4
49		MEHGAON-AURAIYA	S/C	45	28	0.2	0.1	0.1
50		MALANPUR-AURAIYA	S/C	14	38	0.0	0.5	-0.5
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						36.7	185.8	-136.4
Import/Export of WR (With SR)								
52	HVDC	BHADRAWATI B/B	-	0	992	0.0	20.0	-20.0
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
54	765 kV	SOLAPUR-RAICHUR	D/C	114	2105	0.0	21.3	-21.3
55		WARDHA-NIZAMABAD	D/C	0	2141	0.0	24.0	-24.0
56	400 kV	KOLHAPUR-KUDGI	D/C	455	162	3.3	0.0	3.3
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	1	76	0.9	0.0	0.9
WR-SR						4.3	65.2	-61.0
TRANSNATIONAL EXCHANGE								
60		BHUTAN						11.2
61		NEPAL						-9.5
62		BANGLADESH						-26.4