



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: 05th 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 04.05.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 04-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 04th 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

5-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)	49941	48786	42914	18216	1419	161276
Peak Shortage (MW)	546	0	20	0	936	1502
Energy Met (MU)	1129	1211	1019	319	34	3711
Hydro Gen (MU)	228	55	78	94	17	472
Wind Gen (MU)	19	76	147	-----	-----	242
Solar Gen (MU)*	26.00	25.26	87.88	2.06	0.01	141
Energy Shortage (MU)	10.9	0.0	0.1	0.0	6.9	18.0
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	53324 23:13	54701 15:23	43488 15:45	18544 20:15	1490 07:55	166591 22:48

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	0.041	0.00	1.06	8.14	9.20	76.28	14.51

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	7000	0	144.5	74.2	-2.2	13	0.0
	Haryana	7698	0	148.6	118.6	0.2	280	0.0
	Rajasthan	9977	0	222.4	72.0	-0.7	394	0.0
	Delhi	4836	0	100.5	85.6	-1.0	217	0.0
	UP	19405	0	393.3	183.2	-0.1	702	0.0
	Uttarakhand	1937	0	41.8	18.4	0.6	95	0.0
	HP	1311	3	26.9	7.0	1.6	149	0.0
	J&K	2245	561	46.2	27.9	0.7	300	10.9
WR	Chandigarh	206	0	4.4	5.1	-0.7	0	0.0
	Chhattisgarh	4174	0	94.8	49.4	-3.0	405	0.0
	Gujarat	16927	0	377.9	105.5	3.9	565	0.0
	MP	9224	0	210.0	111.1	0.0	643	0.0
	Maharashtra	21925	0	485.1	144.7	-0.6	302	0.0
	Goa	541	0	11.6	11.1	-0.1	33	0.0
	DD	315	0	7.1	6.9	0.2	31	0.0
	DNH	783	0	18.3	18.2	-0.1	157	0.0
SR	Essar steel	349	0	6.3	5.7	0.6	286	0.0
	Andhra Pradesh	8986	0	189.4	48.5	0.3	563	0.0
	Telangana	7829	0	168.8	49.0	0.4	498	0.0
	Karnataka	11430	0	224.5	72.8	2.3	641	0.0
	Kerala	3872	0	80.8	55.4	1.3	199	0.0
	Tamil Nadu	15428	0	346.6	151.7	1.3	618	0.0
	Pondy	413	20	8.8	8.8	0.0	58	0.1
	ER	Bihar	4954	0	80.4	78.5	-0.7	190
DVC		3072	0	59.5	-35.0	-0.2	240	0.0
Jharkhand		1082	0	18.7	9.3	-0.6	100	0.0
Odisha		3021	0	55.8	16.5	-2.0	220	0.0
West Bengal		6825	0	103.6	32.3	-1.7	290	0.0
Sikkim		98	0	1.1	1.7	-0.5	15	0.0
NER	Arunachal Pradesh	114	5	2.0	2.1	0.0	90	0.0
	Assam	877	156	18.7	13.3	1.1	107	6.7
	Manipur	158	6	2.3	2.1	0.2	30	0.0
	Meghalaya	240	0	4.7	1.7	-0.2	96	0.0
	Mizoram	64	5	1.5	1.3	0.1	15	0.0
	Nagaland	105	3	2.0	1.9	0.0	23	0.0
	Tripura	155	12	2.4	1.8	-0.3	109	0.2

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	26.6	-6.6	-13.8
Day peak (MW)	1568.0	-510.4	-867.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	260.2	-247.4	96.5	-96.8	-12.7	-0.2
Actual(MU)	261.0	-256.0	114.1	-108.0	-14.0	-3.0
O/D/U/D(MU)	0.8	-8.7	17.5	-11.3	-1.2	-2.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5466	11595	7852	1850	356	27119
State Sector	9730	14774	7160	4875	50	36589
Total	15196	26369	15012	6725	406	63707

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	516	1211	475	364	11	2577
Lignite	17	15	42	0	0	74
Hydro	228	55	78	94	17	472
Nuclear	28	31	37	0	0	95
Gas, Naptha & Diesel	35	51	15	0	23	124
RES (Wind, Solar, Biomass & Others)	68	107	267	2	0	444
Total	892	1471	913	460	51	3787

Share of RES in total generation (%)	7.63	7.28	29.23	0.46	0.02	11.73
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	36.35	13.13	41.76	20.87	33.09	26.71

H. Diversity Factor

All India Demand Diversity Factor	1.030
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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 :	5-May-19
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)									
1	765kV	GAYA-VARANASI	D/C	0	594	0.0	10.2	-10.2	
2		SASARAM-FATEHPUR	S/C	0	474	0.0	7.7	-7.7	
3		GAYA-BALIA	S/C	0	264	0.0	3.8	-3.8	
4	HVDC	ALIPURDUAR-AGRA	-	0	500	0.0	3.0	-3.0	
5		PUSAULI B/B	S/C	0	50	0.0	1.3	-1.3	
6	400 kV	PUSAULI-VARANASI	S/C	0	49	0.0	0.7	-0.7	
7		PUSAULI -ALLAHABAD	S/C	0	45	0.0	0.4	-0.4	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	1308	0.0	25.3	-25.3	
9		PATNA-BALIA	Q/C	0	1291	0.0	24.4	-24.4	
10		BIHARSHARIFF-BALIA	D/C	0	733	0.0	12.6	-12.6	
11		MOTIHARI-GORAKHPUR	D/C	0	416	0.0	7.6	-7.6	
12		BIHARSHARIFF-VARANASI	D/C	3	306	0.0	1.9	-1.9	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	207	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	0.5	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	102.5	-102.0	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1460	0	25.3	0.0	25.3	
19		NEW RANCHI-DHARAMJAIGARH	D/C	539	151	6.2	0.0	6.2	
20		JHARSUGUDA-DURG	D/C	8	185	0.0	1.8	-1.8	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	0	308	0.0	4.5	-4.5	
22		RANCHI-SIPAT	D/C	125	101	0.5	0.0	0.5	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	122	0.0	2.2	-2.2	
24		BUDHIPADAR-KORBA	D/C	127	10	1.0	0.0	1.0	
ER-WR						33.0	8.5	24.5	
Import/Export of ER (With SR)									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1787.0	0.0	35.2	-35.2	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	691.0	0.0	16.1	-16.1	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1585.0	0.0	35.2	-35.2	
28	400 kV	TALCHER-I/C	D/C	676.0	136.0	4.6	0.0	4.6	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	86.5	-86.5	
Import/Export of ER (With NER)									
30	400 kV	BINAGURI-BONGAIGAON	D/C	538	102	5.9	0.0	6	
31		ALIPURDUAR-BONGAIGAON	D/C	626	114	8.5	0.0	8	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	110	31	1.3	0.0	1	
ER-NER						15.7	0.0	15.7	
Import/Export of NER (With NR)									
33	HVDC	BISWANATH CHARIALI-AGRA	-	403	750	0.9	0.0	0.9	
NER-NR						0.9	0.0	0.9	
Import/Export of WR (With NR)									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	322	0.0	2.2	-2.2	
35		V'CHAL B/B	D/C	47	0	3.5	0.0	3.5	
36		APL -MHG	D/C	0	1545	0.0	38.2	-38.2	
37	765 kV	GWALIOR-AGRA	D/C	0	2493	0.0	46.9	-46.9	
38		PHAGI-GWALIOR	D/C	0	1240	0.0	25.9	-25.9	
39		JABALPUR-ORAI	D/C	0	877	0.0	34.6	-34.6	
40		GWALIOR-ORAI	S/C	524	0	10.7	0.0	10.7	
41		SATNA-ORAI	S/C	0	1366	0.0	29.5	-29.5	
42		CHITORGARH-BANASKANTHA	D/C	98	696	0.0	4.7	4.7	
43		ZERDA-KANKROLI	S/C	158	77	1.2	0.0	1.2	
44	400 kV	ZERDA -BHINMAL	S/C	51	170	0.0	1.2	-1.2	
45		V'CHAL -RIHAND	S/C	489	0	11.2	0.0	11.2	
46	220 kV	RAPP-SHUJALPUR	D/C	52	268	0	2	-2	
47		BHANPURA-KOTA	S/C	24	55	0.0	0.6	-0.5	
48		BHANPURA-MORAK	S/C	0	81	0.0	1.3	-1.3	
49	132kV	MEHGAON-AURAIYA	S/C	31	5	0.3	0.0	0.3	
50		MALANPUR-AURAIYA	S/C	7	39	0.0	0.4	-0.4	
51	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0		
WR-NR						26.8	187.1	-150.9	
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	2252	0.0	26.3	-26.3	
55		WARDHA-NIZAMABAD	D/C	0	1824	0.0	24.4	-24.4	
56	400 kV	KOLHAPUR-KUDGI	D/C	620	0	7.0	0.0	7.0	
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	58	1.3	0.0	1.3	
WR-SR						8.3	74.5	-66.2	
TRANSNATIONAL EXCHANGE									
60		BHUTAN						26.6	
61		NEPAL						-6.6	
62		BANGLADESH						-13.8	