



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: 19th 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 18.05.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 18-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 18th May 2019, is available at the NLDC website.

धन्यवाद,

Report for previous day

Date of Reporting

19-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)	49664	49617	43627	22084	2411	167403
Peak Shortage (MW)	564	0	20	0	182	766
Energy Met (MU)	1041	1216	1018	489	42	3808
Hydro Gen (MU)	266	56	69	70	18	479
Wind Gen (MU)	8	86	48	-----	-----	142
Solar Gen (MU)*	28.02	25.5	84.63	2.15	-----	140
Energy Shortage (MU)	10.8	0.0	0.1	0.0	3.7	14.7
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	51092 23:08	54020 15:06	44282 22:52	23247 23:02	2424 19:04	171961 23:04

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	0.042	0.00	0.10	10.82	10.93	68.44	20.64

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	6461	0	136.9	78.8	-1.5	64	0.0
	Haryana	7109	0	137.8	110.5	0.4	216	0.0
	Rajasthan	9297	0	194.9	52.3	-0.7	279	0.0
	Delhi	4199	0	88.4	80.8	-0.1	242	0.0
	UP	19163	0	364.1	160.9	0.9	520	0.0
	Uttarakhand	1918	0	41.7	19.1	-0.5	151	0.0
	HP	1404	0	27.2	7.0	0.3	188	0.0
	J&K	2423	606	45.9	25.8	-1.1	140	10.8
WR	Chandigarh	208	0	4.4	5.6	-1.2	0	0.0
	Chhattisgarh	4029	0	91.0	40.6	-3.3	291	0.0
	Gujarat	16996	0	371.8	78.5	4.5	599	0.0
	MP	9369	0	213.3	99.8	-0.1	787	0.0
	Maharashtra	22148	0	496.7	116.2	0.3	478	0.0
	Goa	541	0	11.5	10.5	0.4	205	0.0
	DD	338	0	7.5	6.9	0.6	47	0.0
	DNH	763	0	17.8	17.8	0.0	62	0.0
SR	Essar steel	363	0	6.8	7.3	-0.5	257	0.0
	Andhra Pradesh	9678	0	197.7	61.7	1.5	456	0.0
	Telangana	7963	0	173.4	48.9	1.3	495	0.0
	Karnataka	10720	0	220.9	64.1	0.0	492	0.0
	Kerala	4066	0	81.5	60.1	1.3	264	0.0
	Tamil Nadu	15129	0	335.7	175.1	1.4	483	0.0
	Pondy	416	20	9.0	9.2	-0.2	45	0.1
	ER	Bihar	5382	0	103.6	100.4	-1.4	330
DVC		3208	0	68.4	-45.8	0.0	240	0.0
Jharkhand		1215	0	28.6	18.9	-0.3	90	0.0
Odisha		4607	0	94.9	32.0	2.5	220	0.0
West Bengal		9155	0	192.9	67.2	0.2	500	0.0
NER	Sikkim	92	0	1.1	1.6	-0.4	25	0.0
	Arunachal Pradesh	114	4	2.2	2.7	-0.5	21	0.0
	Assam	1492	41	24.5	19.8	0.7	147	2.4
	Manipur	163	5	2.5	2.3	0.1	20	0.0
	Meghalaya	279	4	5.3	2.6	0.2	53	0.4
	Mizoram	94	3	1.7	1.4	0.0	17	0.0
	Nagaland	110	4	2.0	2.2	-0.3	18	0.0
	Tripura	269	13	4.2	3.9	0.3	49	0.9

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	9.4	-8.2	-25.9
Day peak (MW)	796.8	-457.2	-1120.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	195.9	-266.6	106.3	-25.3	-10.0	0.4
Actual(MU)	173.1	-286.4	141.0	-18.8	-11.7	-2.8
O/D/U/D(MU)	-22.8	-19.8	34.7	6.5	-1.7	-3.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5530	13615	7472	1100	35	27752
State Sector	9645	11672	5530	4005	50	30902
Total	15175	25287	13002	5105	85	58654

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	498	1241	546	470	11	2767
Lignite	15	15	44	0	0	74
Hydro	266	56	69	70	18	479
Nuclear	28	31	45	0	0	104
Gas, Naptha & Diesel	25	48	16	0	29	117
RES (Wind, Solar, Biomass & Others)	56	118	163	2	0	338
Total	887	1509	882	543	59	3880

Share of RES in total generation (%)	6.29	7.81	18.43	0.41	0.03	8.72
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	39.39	13.60	31.33	13.32	31.36	23.76

H. Diversity Factor

All India Demand Diversity Factor	1.018
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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 : 19-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	257	78	3.3	0.0	3.3
2		SASARAM-FATEHPUR	S/C	182	129	1.7	0.0	1.7
3		GAYA-BALIA	S/C	56	170	0.0	1.5	-1.5
4		ALIPURDUAR-AGRA	-	0	504	0.0	12.1	-12.1
5		PUSAULI B/B	S/C	0	49	0.0	1.3	-1.3
6	400 kV	PUSAULI-VARANASI	S/C	0	113	0.0	2.0	-2.0
7		PUSAULI -ALLAHABAD	S/C	56	0	0.9	0.0	0.9
8		MUZAFFARPUR-GORAKHPUR	D/C	20	649	0.0	6.3	-6.3
9		PATNA-BALIA	Q/C	35	576	0.0	6.8	-6.8
10		BIHARSHARIFF-BALIA	D/C	0	271	0.0	3.2	-3.2
11		MOTIHARI-GORAKHPUR	D/C	0	346	0.0	5.5	-5.5
12		BIHARSHARIFF-VARANASI	D/C	194	134	0.7	0.0	0.7
13	220 kV	PUSAULI-SAHUPURI	S/C	0	212	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	0.5	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						7.1	42.7	-35.6
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	2325	0	40.3	0.0	40.3
19		NEW RANCHI-DHARAMJAIGARH	D/C	892	0	13.9	0.0	13.9
20		JHARSUGUDA-DURG	D/C	179	93	2.7	0.0	2.7
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	334	36	4.1	0.0	4.1
22		RANCHI-SIPAT	D/C	296	0	4.4	0.0	4.4
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	87	0.0	1.1	-1.1
24		BUDHIPADAR-KORBA	D/C	167	0	2.9	0.0	2.9
ER-WR						68.2	1.1	67.1
Import/Export of ER (With SR)								
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1916.0	0.0	35.7	-35.7
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	737.0	0.0	12.4	-12.4
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2465.0	0.0	42.1	-42.1
28	400 kV	TALCHER-I/C	D/C	336.0	1028.0	0.0	5.3	-5.3
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	90.2	-90.2
Import/Export of ER (With NER)								
30	400 kV	BINAGURI-BONGAIGAON	D/C	41	269	0.0	2.0	-2
31		ALIPURDUAR-BONGAIGAON	D/C	323	2	4.3	0.0	4
32	220 kV	ALIPURDUAR-SALAKATI	D/C	39	41	0.1	0.0	0
ER-NER						4.4	2.0	2.4
Import/Export of NER (With NR)								
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	403	0.0	9.6	-9.6
NER-NR						0.0	9.6	-9.6
Import/Export of WR (With NR)								
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1001	0.0	19.0	-19.0
35		V'CHAL B/B	D/C	206	0	6.2	0.0	6.2
36		APL -MHG	D/C	0	1453	0.0	36.3	-36.3
37	765 kV	GWALIOR-AGRA	D/C	0	2074	0.0	36.0	-36.0
38		PHAGI-GWALIOR	D/C	0	1252	0.0	17.4	-17.4
39		JABALPUR-ORAI	D/C	0	644	0.0	20.1	-20.1
40		GWALIOR-ORAI	S/C	400	0	7.0	0.0	7.0
41		SATNA-ORAI	S/C	0	1294	0.0	25.9	-25.9
42		CHITTORGARH-BANASKANTHA	D/C	202	481	0.0	3.8	3.8
43		ZERDA-KANKROLI	S/C	195	67	1.4	0.0	1.4
44	400 kV	ZERDA -BHINMAL	S/C	139	179	0.0	1.4	-1.4
45		V'CHAL -RIHAND	S/C	487	0	11.1	0.0	11.1
46		RAPP-SHUJALPUR	D/C	316	146	1	0	1
47	220 kV	BHANPURA-KOTA	S/C	42	14	0.5	0.3	0.2
48		BHANPURA-MORAK	S/C	31	87	0.1	0.7	-0.6
49		MEHGAON-AURAIYA	S/C	54	22	0.3	0.0	0.3
50		MALANPUR-AURAIYA	S/C	29	43	0.1	0.4	-0.3
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						28.0	161.3	-125.7
Import/Export of WR (With SR)								
52	HVDC	BHADRAWATI B/B	-	0	989	0.0	23.3	-23.3
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
54	765 kV	SOLAPUR-RAICHUR	D/C	0	2457	0.0	37.9	-37.9
55		WARDHA-NIZAMABAD	D/C	0	2124	0.0	33.4	-33.4
56	400 kV	KOLHAPUR-KUDGI	D/C	534	306	1.3	0.0	1.3
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	53	1.0	0.0	1.0
WR-SR						2.3	94.6	-92.3
TRANSNATIONAL EXCHANGE								
60		BHUTAN						9.4
61		NEPAL						-8.2
62		BANGLADESH						-25.9