



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: 06th July 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 05.07.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 05-जुलाई-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 05th July 2019, is available at the NLDC website.

धन्यवाद,

Report for previous day

Date of Reporting

6-Jul-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)	56661	42875	41059	19843	2880	163318
Peak Shortage (MW)	397	0	0	0	140	537
Energy Met (MU)	1364	989	943	457	54	3807
Hydro Gen (MU)	374	11	30	98	19	533
Wind Gen (MU)	40	161	195	-----	-----	396
Solar Gen (MU)*	24.95	11.9	61.02	1.99	0.03	100
Energy Shortage (MU)	10.0	0.0	0.0	0.0	1.0	11.1
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	61365 00:13	44551 10:03	45263 09:26	21890 20:45	2815 19:13	167558 20:46

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	0.30	4.80	5.10	68.78	26.11

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	12955	0	284.4	148.0	-2.3	0	0.0	
	Haryana	9393	0	205.8	154.6	-0.1	302	0.0	
	Rajasthan	9928	0	220.9	50.5	0.7	1005	0.0	
	Delhi	6118	0	126.4	107.0	-0.6	267	0.0	
	UP	19745	0	403.0	194.4	-2.1	524	0.0	
	Uttarakhand	2046	0	45.1	19.0	0.6	175	0.0	
	HP	1424	0	29.9	1.1	0.0	149	0.1	
	J&K	2170	543	41.9	20.2	-3.3	182	10.0	
	Chandigarh	325	0	6.5	7.7	-1.2	0	0.0	
	WR	Chhattisgarh	3453	0	81.1	23.2	-0.8	259	0.0
Gujarat		14361	0	322.7	53.7	6.7	513	0.0	
MP		6961	0	157.7	71.3	0.0	400	0.0	
Maharashtra		18021	0	386.3	88.8	3.1	586	0.0	
Goa		541	0	10.0	11.8	-2.4	34	0.0	
DD		341	0	7.6	7.1	0.5	47	0.0	
DNH		794	0	18.6	18.9	-0.3	32	0.0	
Essar steel		283	0	5.1	5.3	-0.2	279	0.0	
SR		Andhra Pradesh	8343	0	169.3	-1.5	0.1	495	0.0
		Telangana	7388	0	152.5	55.7	0.5	496	0.0
	Karnataka	10065	0	191.5	55.7	1.0	490	0.0	
	Kerala	3594	0	72.8	60.5	3.0	299	0.0	
	Tamil Nadu	15727	0	347.2	166.5	-0.1	495	0.0	
	Pondy	450	0	9.5	9.6	0.0	49	0.0	
	ER	Bihar	5540	0	107.8	102.5	0.8	200	0.0
DVC		3083	0	65.5	-38.3	-0.4	300	0.0	
Jharkhand		1035	0	23.4	18.7	-0.8	75	0.0	
Odisha		4018	0	81.0	29.5	2.1	444	0.0	
West Bengal		8596	0	177.9	65.6	2.3	450	0.0	
Sikkim		97	0	1.2	1.3	-0.1	25	0.0	
NER	Arunachal Pradesh	128	4	2.2	2.8	-0.6	45	0.0	
	Assam	1801	58	34.0	30.3	0.4	157	1.0	
	Manipur	158	4	2.6	2.5	0.2	19	0.0	
	Meghalaya	341	7	5.8	2.5	0.0	67	0.0	
	Mizoram	91	6	2.0	1.4	0.3	4	0.0	
	Nagaland	144	3	2.2	2.5	-0.5	29	0.0	
	Tripura	311	12	5.6	3.7	0.2	50	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	22.2	-10.1	-25.3
Day peak (MW)	1177.0	-550.0	-1075.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	310.6	-296.8	38.5	-51.9	-0.2	0.1
Actual(MU)	292.4	-316.3	61.0	-41.5	-0.3	-4.6
O/D/U/D(MU)	-18.1	-19.5	22.5	10.5	-0.1	-4.7

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4630	17005	8392	1970	130	32126
State Sector	8180	16494	8400	4140	50	37264
Total	12810	33499	16792	6110	179	69390

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	570	1044	453	429	11	2507
Lignite	19	15	47	0	0	81
Hydro	374	11	30	98	19	533
Nuclear	27	27	55	0	0	108
Gas, Naptha & Diesel	29	38	13	0	29	109
RES (Wind, Solar, Biomass & Others)	79	181	289	2	0	552
Total	1097	1317	888	529	59	3890

Share of RES in total generation (%)	7.22	13.77	32.60	0.38	0.05	14.19
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	43.74	16.71	42.13	18.89	32.37	30.67

H. Diversity Factor

All India Demand Diversity Factor	1.050
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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 : **6-Jul-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	32	384	0.0	5.5	-5.5
2		SASARAM-FATEHPUR	S/C	376	0	6.3	0.0	6.3
3		GAYA-BALIA	S/C	0	573	0.0	11.1	-11.1
4		ALIPURDUAR-AGRA	-	0	1304	0.0	29.5	-29.5
5		PUSAULI B/B	S/C	0	346	0.0	8.4	-8.4
6	400 kV	PUSAULI-VARANASI	S/C	0	275	0.0	6.1	-6.1
7		PUSAULI -ALLAHABAD	S/C	0	121	0.0	2.1	-2.1
8		MUZAFFARPUR-GORAKHPUR	D/C	34	501	0.0	6.4	-6.4
9		PATNA-BALIA	Q/C	0	1002	0.0	15.1	-15.1
10		BIHARSHARIFF-BALIA	D/C	0	340	0.0	5.8	-5.8
11	220 kV	MOTIHARI-GORAKHPUR	D/C	310	0	5.8	0.0	5.8
12		BIHARSHARIFF-VARANASI	D/C	245	0	3.2	0.0	3.2
13	132 kV	PUSAULI-SAHUPURI	S/C	0	197	0.0	3.7	-3.7
14		SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	30	0	0.6	0.0	0.6
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						15.8	93.8	-78.0
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1540	0	25.2	0.0	25.2
19		NEW RANCHI-DHARAMJAIGARH	D/C	1459	0	25.2	0.0	25.2
20		JHARSUGUDA-DURG	D/C	338	0	4.8	0.0	4.8
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	559	0	9.0	0.0	9.0
22		RANCHI-SIPAT	D/C	556	0	10.2	0.0	10.2
23	220 kV	BUDHIPADAR-RAIGARH	S/C	3	90	0.0	1.0	-1.0
24		BUDHIPADAR-KORBA	D/C	240	0	4.1	0.0	4.1
ER-WR						78.5	1.0	77.5
Import/Export of ER (With SR)								
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1618.0	0.0	23.6	-23.6
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	334.0	0.0	7.3	-7.3
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1982.0	0.0	33.7	-33.7
28	400 kV	TALCHER-I/C	D/C	167.0	968.0	0.0	4.6	-4.6
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	64.6	-64.6
Import/Export of ER (With NER)								
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	573	0.0	10.9	-11
31		ALIPURDUAR-BONGAIGAON	D/C	192	111	0.3	0.0	0
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	99	0.0	1.7	-2
ER-NER						0.3	12.6	-12.3
Import/Export of NER (With NR)								
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	507	0.0	12.0	-12.0
NER-NR						0.0	12.0	-12.0
Import/Export of WR (With NR)								
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	2302	0.0	48.0	-48.0
35		V'CHAL B/B	D/C	318	102	5.3	0.1	5.2
36		APL -MHG	D/C	0	1915	0.0	38.1	-38.1
37	765 kV	GWALIOR-AGRA	D/C	0	2746	0.0	54.2	-54.2
38		PHAGI-GWALIOR	D/C	0	1352	0.0	21.3	-21.3
39		JABALPUR-ORAI	D/C	0	1012	0.0	38.7	-38.7
40		GWALIOR-ORAI	S/C	356	0	6.9	0.0	6.9
41		SATNA-ORAI	S/C	0	1471	0.0	31.6	-31.6
42	400 kV	CHITTORGARH-BANASKANTHA	D/C	51	861	0.0	10.3	10.3
43		ZERDA-KANKROLI	S/C	80	111	0.4	0.6	-0.2
44		ZERDA -BHINMAL	S/C	283	148	2.9	0.2	2.7
45	220 kV	V'CHAL -RIHAND	S/C	962	0	22.2	0.0	22.2
46		RAPP-SHUJALPUR	D/C	18	446	0	2	-2
47	132kV	BHANPURA-RANPUR	S/C	34	51	0.0	0.5	-0.4
48		BHANPURA-MORAK	S/C	0	98	0.0	1.3	-1.3
49		MEHGAON-AURAIYA	S/C	28	57	0.1	0.5	-0.4
50		MALANPUR-AURAIYA	S/C	3	62	0.0	0.9	-0.9
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						37.9	248.4	-190.0
Import/Export of WR (With SR)								
52	HVDC	BHADRAWATI B/B	-	0	979	0.0	11.6	-11.6
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
54	765 kV	SOLAPUR-RAICHUR	D/C	853	1128	0.0	6.2	-6.2
55		WARDHA-NIZAMABAD	D/C	298	1569	0.0	17.7	-17.7
56	400 kV	KOLHAPUR-KUDGI	D/C	924	0	9.7	0.0	9.7
57		KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
58	220 kV	PONDA-AMBEWADI	S/C	0	74	0.0	1.3	-1.3
59		XELDEM-AMBEWADI	S/C	0	43	0.7	0.0	0.7
WR-SR						10.4	36.7	-26.3
TRANSNATIONAL EXCHANGE								
60		BHUTAN						22.2
61		NEPAL						-10.1
62		BANGLADESH						-25.3