



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: 11th 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 10.07.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 10-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 10th July 2019, is available at the NLDC website.

धन्यवाद,

Report for previous day

Date of Reporting

11-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)	55433	46061	39725	18418	2549	162186
Peak Shortage (MW)	1013	0	0	0	185	1198
Energy Met (MU)	1280	1057	944	424	47	3750
Hydro Gen (MU)	352	15	34	118	30	550
Wind Gen (MU)	63	160	191	-----	-----	414
Solar Gen (MU)*	25.34	21.1	70.15	2.01	0.02	119
Energy Shortage (MU)	16.3	0.0	0.0	0.0	3.6	19.9
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	59635 22:40	47398 19:28	40634 07:09	20583 20:02	2584 19:20	167609 20:42

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	0.040	0.00	0.00	1.55	1.55	59.03	39.42

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	11929	0	262.6	147.6	-1.5	116	0.0	
	Haryana	9739	0	210.1	155.2	-0.4	204	0.0	
	Rajasthan	10815	0	239.7	60.3	2.2	530	0.0	
	Delhi	6570	0	127.8	108.4	1.1	208	0.0	
	UP	15858	890	318.3	152.1	0.8	760	6.3	
	Uttarakhand	1985	0	43.9	14.9	0.6	251	0.0	
	HP	1389	0	29.8	-1.2	1.0	403	0.0	
	J&K	2116	529	42.0	19.9	0.6	411	10.0	
	Chandigarh	286	0	5.9	6.8	-0.9	9	0.0	
	WR	Chhattisgarh	3845	0	87.3	27.1	0.3	424	0.0
Gujarat		15302	0	344.5	82.2	4.2	436	0.0	
MP		8168	0	174.2	77.0	0.0	596	0.0	
Maharashtra		18118	0	403.7	122.5	-0.8	479	0.0	
Goa		541	0	11.6	10.9	0.1	57	0.0	
DD		336	0	7.6	7.1	0.5	50	0.0	
DNH		798	0	18.7	18.9	-0.2	36	0.0	
Essar steel		464	0	9.1	8.8	0.3	278	0.0	
SR		Andhra Pradesh	8785	0	185.9	15.8	1.5	673	0.0
		Telangana	7846	0	166.6	66.9	1.1	708	0.0
	Karnataka	10147	0	188.8	47.1	0.8	626	0.0	
	Kerala	3339	0	66.1	53.9	2.7	299	0.0	
	Tamil Nadu	14840	0	327.8	146.2	0.8	711	0.0	
	Pondy	382	0	8.2	8.5	-0.2	36	0.0	
	ER	Bihar	4110	0	76.5	75.0	-2.3	30	0.0
		DVC	3005	0	65.0	-38.8	0.2	150	0.0
		Jharkhand	1000	0	22.8	15.7	-1.2	20	0.0
		Odisha	4403	0	89.5	37.6	4.0	400	0.0
NER	West Bengal	8021	0	168.6	66.6	2.2	450	0.0	
	Sikkim	93	0	1.1	1.3	-0.2	20	0.0	
	Arunachal Pradesh	124	2	2.2	2.4	-0.3	30	0.0	
	Assam	1634	122	27.1	20.5	0.8	86	3.5	
NER	Manipur	163	4	2.6	2.3	0.3	23	0.0	
	Meghalaya	324	0	6.4	0.2	0.5	45	0.0	
	Mizoram	87	1	1.7	1.3	0.2	8	0.0	
	Nagaland	126	3	2.2	2.1	-0.3	31	0.0	
	Tripura	259	2	4.6	4.2	-0.3	43	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	44.7	-5.5	-26.1
Day peak (MW)	1945.4	-353.9	-1109.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	269.7	-247.4	52.7	-58.8	-15.9	0.3
Actual(MU)	268.4	-246.9	73.2	-83.1	-16.2	-4.6
O/D/U/D(MU)	-1.3	0.5	20.6	-24.3	-0.3	-4.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5664	17071	9152	3120	306	35313
State Sector	8885	17177	7720	4670	50	38502
Total	14549	34248	16872	7790	356	73814

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	494	1008	445	423	9	2379
Lignite	18	13	32	0	0	63
Hydro	352	15	34	118	30	550
Nuclear	27	29	55	0	0	111
Gas, Naptha & Diesel	28	40	12	0	29	108
RES (Wind, Solar, Biomass & Others)	104	189	296	2	0	591
Total	1022	1294	874	543	69	3802

Share of RES in total generation (%)	10.15	14.61	33.85	0.38	0.03	15.54
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	47.21	18.05	44.07	22.14	43.92	32.93

H. Diversity Factor

All India Demand Diversity Factor	1.019
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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 : 11-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	0	712	0.0	10.7	-10.7	
2		SASARAM-FATEHPUR	S/C	94	180	0.0	0.4	-0.4	
3		GAYA-BALIA	S/C	0	425	0.0	7.8	-7.8	
4		ALIPURDUAR-AGRA	-	0	1701	0.0	38.1	-38.1	
5		PUSAULI B/B	S/C	0	348	0.0	8.8	-8.8	
6	400 kV	PUSAULI-VARANASI	S/C	0	234	0.0	5.2	-5.2	
7		PUSAULI -ALLAHABAD	S/C	0	168	0.0	3.3	-3.3	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	624	0.0	9.2	-9.2	
9		PATNA-BALIA	Q/C	0	767	0.0	12.3	-12.3	
10		BIHARSHARIFF-BALIA	D/C	0	288	0.0	5.1	-5.1	
11		MOTIHARI-GORAKHPUR	D/C	0	304	0.0	5.2	-5.2	
12	220 kV	BIHARSHARIFF-VARANASI	D/C	58	199	0.0	1.1	-1.1	
13		PUSAULI-SAHUPURI	S/C	0	144	0.0	2.6	-2.6	
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	109.7	-109.2	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1499	0	28.5	0.0	28.5	
19		NEW RANCHI-DHARAMJAIGARH	D/C	1050	570	11.6	0.0	11.6	
20		JHARSUGUDA-DURG	D/C	258	14	2.9	0.0	2.9	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	253	110	1.7	0.0	1.7	
22		RANCHI-SIPAT	D/C	382	0	5.3	0.0	5.3	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	54	77	0.2	0.0	0.2	
24		BUDHIPADAR-KORBA	D/C	253	0	2.6	0.0	2.6	
ER-WR						52.9	0.0	52.9	
Import/Export of ER (With SR)									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1984.0	0.0	32.2	-32.2	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	414.0	0.0	9.9	-9.9	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1975.0	0.0	31.9	-31.9	
28	400 kV	TALCHER-I/C	D/C	743.0	834.0	0.0	2.1	-2.1	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	74.1	-74.1	
Import/Export of ER (With NER)									
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	577	0.0	6.0	-6	
31		ALIPURDUAR-BONGAIGAON	D/C	486	0	7.6	0.0	8	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	28	89	0.0	0.4	0	
ER-NER						7.6	6.5	1.2	
Import/Export of NER (With NR)									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	702	0.0	17.1	-17.1	
NER-NR						0.0	17.1	-17.1	
Import/Export of WR (With NR)									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	2002	0.0	22.6	-22.6	
35		V'CHAL B/B	D/C	450	394	4.2	0.0	4.2	
36		APL -MHG	D/C	0	1452	0.0	30.1	-30.1	
37	765 kV	GWALIOR-AGRA	D/C	0	2075	0.0	37.8	-37.8	
38		PHAGI-GWALIOR	D/C	0	1372	0.0	24.5	-24.5	
39		JABALPUR-ORAI	D/C	0	874	0.0	32.4	-32.4	
40		GWALIOR-ORAI	S/C	462	0	8.3	0.0	8.3	
41		SATNA-ORAI	S/C	0	1286	0.0	27.3	-27.3	
42		CHITTORGARH-BANASKANTHA	D/C	23	699	0.0	6.1	6.1	
43	400 kV	ZERDA-KANKROLI	S/C	127	37	1.0	0.1	0.9	
44		ZERDA -BHINMAL	S/C	387	0	5.8	0.0	5.8	
45		V'CHAL -RIHAND	S/C	962	0	14.2	0.0	14.2	
46	220 kV	RAPP-SHUJALPUR	D/C	35	334	0	2	-2	
47		BHANPURA-RANPUR	S/C	14	63	0.0	0.6	-0.6	
48		BHANPURA-MORAK	S/C	0	170	0.0	2.8	-2.8	
49		MEHGAON-AURAIYA	S/C	60	2	0.7	0.0	0.7	
50		MALANPUR-AURAIYA	S/C	31	25	0.1	0.1	0.1	
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						34.3	186.1	-139.6	
Import/Export of WR (With SR)									
52	HVDC	BHADRAWATI B/B	-	0	999	0.0	13.1	-13.1	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	728	1609	0.0	10.7	-10.7	
55		WARDHA-NIZAMABAD	D/C	0	2000	0.0	24.3	-24.3	
56	400 kV	KOLHAPUR-KUDGI	D/C	759	215	7.8	0.0	7.8	
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58		PONDA-AMBEWADI	S/C	0	69	0.0	1.4	-1.4	
59		XELDEM-AMBEWADI	S/C	0	40	0.8	0.0	0.8	
WR-SR						8.6	49.4	-40.8	
TRANSNATIONAL EXCHANGE									
60		BHUTAN						44.7	
61		NEPAL						-5.5	
62		BANGLADESH						-26.1	