



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 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 18.07.2019.

महोदय/Dear Sir,

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

धन्यवाद,

Report for previous day

Date of Reporting

19-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)	51010	49827	40413	22130	2627	166007
Peak Shortage (MW)	2032	0	0	0	240	2272
Energy Met (MU)	1180	1203	955	495	51	3884
Hydro Gen (MU)	328	41	48	122	30	569
Wind Gen (MU)	33	68	141	-----	-----	242
Solar Gen (MU)*	23.57	22.56	67.69	2.18	0.04	116
Energy Shortage (MU)	11.5	0.0	0.0	0.0	1.6	13.1
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	54105 22:23	53411 11:35	42999 11:21	23381 19:59	2535 19:55	169600 19:57

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	0.057	0.00	1.48	16.24	17.72	76.16	6.12

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	8339	0	177.2	123.6	-1.3	61	0.0
	Haryana	7739	0	148.6	127.7	-1.4	273	0.0
	Rajasthan	11084	0	245.1	64.1	-3.3	371	0.0
	Delhi	4656	0	100.6	85.1	-1.3	151	0.0
	UP	18388	1480	390.3	173.5	0.6	724	1.3
	Uttarakhand	1914	0	41.2	15.2	1.3	164	0.1
	HP	1408	0	29.3	-2.8	0.1	89	0.0
	J&K	2003	501	42.7	19.0	2.2	346	10.1
WR	Chandigarh	247	0	5.0	5.1	-0.1	19	0.0
	Chhattisgarh	4414	0	102.1	38.9	-0.3	533	0.0
	Gujarat	16742	0	379.3	82.2	10.1	1280	0.0
	MP	9733	0	218.7	105.9	0.0	711	0.0
	Maharashtra	20583	0	460.0	130.2	1.5	445	0.0
	Goa	541	0	11.4	10.8	0.1	44	0.0
	DD	337	0	7.7	7.0	0.7	56	0.0
	DNH	800	0	18.9	18.8	0.0	35	0.0
SR	Essar steel	259	0	5.2	5.7	-0.5	296	0.0
	Andhra Pradesh	8671	0	179.2	40.9	2.7	743	0.0
	Telangana	8736	0	183.3	102.7	0.8	659	0.0
	Karnataka	10195	0	199.3	69.9	1.2	545	0.0
	Kerala	3105	0	66.6	53.7	2.3	239	0.0
	Tamil Nadu	14346	0	318.3	128.0	-1.6	979	0.0
	Pondy	383	0	8.3	8.5	-0.3	45	0.0
	ER	Bihar	5445	0	104.5	101.5	-1.1	150
DVC		2979	0	67.9	-42.7	-1.5	300	0.0
Jharkhand		1227	0	25.8	17.3	-0.8	200	0.0
Odisha		4789	0	101.1	39.0	1.1	250	0.0
West Bengal		9309	0	194.7	92.1	1.7	350	0.0
NER	Sikkim	95	0	1.2	1.2	-0.1	20	0.0
	Arunachal Pradesh	123	1	2.0	2.9	-0.8	21	0.0
	Assam	1684	185	32.0	24.3	2.0	179	1.5
	Manipur	151	3	2.5	2.3	0.2	16	0.0
	Meghalaya	317	0	5.3	-0.9	0.0	45	0.0
	Mizoram	82	1	1.7	1.4	0.0	19	0.0
	Nagaland	120	2	2.1	2.4	-0.4	28	0.0
	Tripura	254	10	5.0	4.6	0.2	40	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	37.8	-4.5	-22.0
Day peak (MW)	1866.0	-342.6	-1124.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	235.3	-244.3	63.3	-37.1	-17.4	-0.1
Actual(MU)	223.4	-240.1	78.9	-39.8	-18.3	4.1
O/D/U/D(MU)	-11.9	4.2	15.6	-2.7	-1.0	4.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5066	15169	8172	2550	50	31006
State Sector	9205	13076	9180	5060	82	36603
Total	14271	28245	17352	7610	131	67609

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	500	1201	482	441	16	2641
Lignite	21	11	46	0	0	78
Hydro	328	41	48	122	30	569
Nuclear	27	31	56	0	0	114
Gas, Naptha & Diesel	26	77	11	0	29	144
RES (Wind, Solar, Biomass & Others)	72	95	244	2	0	414
Total	975	1456	888	565	75	3959

Share of RES in total generation (%)	7.44	6.55	27.43	0.39	0.05	10.45
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	43.85	11.48	39.20	21.97	39.76	27.70

H. Diversity Factor

All India Demand Diversity Factor	1.040
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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-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	64	228	0.0	2.6	-2.6	
2		SASARAM-FATEHPUR	S/C	249	0	2.8	0.0	2.8	
3		GAYA-BALIA	S/C	0	340	0.0	5.9	-5.9	
4		ALIPURDUAR-AGRA	-	0	2004	0.0	45.8	-45.8	
5		PUSAULI B/B	S/C	0	249	0.0	5.9	-5.9	
6	400 kV	PUSAULI-VARANASI	S/C	0	212	0.0	4.3	-4.3	
7		PUSAULI -ALLAHABAD	S/C	0	92	0.0	1.4	-1.4	
8		MUZAFFARPUR-GORAKHPUR	D/C	31	663	0.0	8.0	-8.0	
9		PATNA-BALIA	Q/C	0	511	0.0	8.8	-8.8	
10		BIHARSHARIFF-BALIA	D/C	0	276	0.0	3.9	-3.9	
11		MOTHARI-GORAKHPUR	D/C	0	237	0.0	4.1	-4.1	
12	220 kV	BIHARSHARIFF-VARANASI	D/C	149	96	0.9	0.0	0.9	
13		PUSAULI-SAHUPURI	S/C	0	179	0.0	3.3	-3.3	
14		132 kV	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						4.2	94.0	-89.8	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMAJGARH	Q/C	1259	0	21.7	0.0	21.7	
19		NEW RANCHI-DHARAMAJGARH	D/C	1254	0	22.1	0.0	22.1	
20		JHARSUGUDA-DURG	D/C	190	33	2.5	0.0	2.5	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	1130	0	21.8	0.0	21.8	
22		RANCHI-SIPAT	D/C	428	0	7.8	0.0	7.8	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	30	60	0.0	0.3	-0.3	
24		BUDHIPADAR-KORBA	D/C	148	0	1.2	0.0	1.2	
ER-WR						77.1	0.3	76.8	
Import/Export of ER (With SR)									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1795.0	0.0	19.6	-19.6	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	681.0	0.0	13.5	-13.5	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1983.0	0.0	39.1	-39.1	
28	400 kV	TALCHER-I/C	D/C	834.0	244.0	4.3	0.0	4.3	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	72.2	-72.2	
Import/Export of ER (With NER)									
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	717	0.0	9.0	-9	
31		ALIPURDUAR-BONGAIGAON	D/C	480	0	7.9	0.0	8	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	19	72	0.0	0.5	-1	
ER-NER						7.9	9.5	-1.7	
Import/Export of NER (With NR)									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	1003	0.0	22.3	-22.3	
NER-NR						0.0	22.3	-22.3	
Import/Export of WR (With NR)									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1004	0.0	18.1	-18.1	
35		V'CHAL B/B	D/C	451	0	12.2	0.0	12.2	
36		APL -MHG	D/C	0	1353	0.0	27.3	-27.3	
37	765 kV	GWALIOR-AGRA	D/C	0	2081	0.0	35.4	-35.4	
38		PHAGI-GWALIOR	D/C	0	1008	0.0	19.2	-19.2	
39		JABALPUR-ORAI	D/C	0	846	0.0	30.3	-30.3	
40		GWALIOR-ORAI	S/C	421	0	8.4	0.0	8.4	
41		SATNA-ORAI	S/C	0	1264	0.0	26.7	-26.7	
42		CHITTORGARH-BANASKANTHA	D/C	378	635	0.0	2.2	2.2	
43	400 kV	ZERDA-KANKROLI	S/C	181	94	1.4	0.2	1.2	
44		ZERDA -BHINMAL	S/C	281	165	2.9	0.3	2.5	
45		V'CHAL -RIHAND	S/C	964	0	22.3	0.0	22.3	
46		RAPP-SHUJALPUR	D/C	80	316	0	1	-1	
47	220 kV	BHANPURA-RANPUR	S/C	16	75	0.0	0.6	-0.6	
48		BHANPURA-MORAK	S/C	0	104	0.0	1.8	-1.8	
49		MEHGAON-AURAIYA	S/C	76	0	0.8	0.0	0.8	
50		MALANPUR-AURAIYA	S/C	47	19	0.2	0.1	0.1	
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						48.2	163.5	-111.0	
Import/Export of WR (With SR)									
52	HVDC	BHADRAWATI B/B	-	2	999	0.0	17.6	-17.6	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	604	1567	0.0	8.9	-8.9	
55		WARDHA-NIZAMABAD	D/C	0	2569	0.0	28.3	-28.3	
56	400 kV	KOLHAPUR-KUDGI	D/C	753	53	10.2	0.0	10.2	
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58		PONDA-AMBEWADI	S/C	0	72	0.0	1.4	-1.4	
59		XELDEM-AMBEWADI	S/C	0	42	0.8	0.0	0.8	
WR-SR						11.0	56.1	-45.1	
TRANSNATIONAL EXCHANGE									
60		BHUTAN						37.8	
61		NEPAL						-4.5	
62		BANGLADESH						-22.0	