



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: 25th 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 24.07.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 24-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 24th July 2019, is available at the NLDC website.

धन्यवाद,

Report for previous day

Date of Reporting

25-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)	55962	48778	41803	20371	2642	169556
Peak Shortage (MW)	497	0	0	0	239	736
Energy Met (MU)	1394	1170	930	451	49	3993
Hydro Gen (MU)	347	16	38	116	31	548
Wind Gen (MU)	41	93	172	-----	-----	306
Solar Gen (MU)*	23.38	21.28	62.62	2.03	0.03	109
Energy Shortage (MU)	10.3	0.0	0.0	0.0	1.6	11.8
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	62450 00:05	51935 15:39	41828 19:34	22259 00:00	2623 19:19	172160 15:22

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	0.043	0.00	0.00	2.04	2.04	63.08	34.88

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	11767	0	264.8	135.9	-1.2	145	0.0
	Haryana	9767	0	208.1	162.2	0.0	295	0.0
	Rajasthan	12285	0	256.8	72.0	1.9	877	0.0
	Delhi	6535	0	130.4	113.1	-0.9	143	0.0
	UP	20151	890	406.8	197.0	0.3	588	0.0
	Uttarakhand	2031	0	45.4	18.8	0.2	96	0.3
	HP	1527	0	32.0	2.6	0.8	107	0.0
	J&K	2353	588	42.9	20.4	2.2	548	10.0
WR	Chhattisgarh	370	0	6.4	7.8	-1.5	14	0.0
	Gujarat	16136	0	354.3	86.5	-0.1	579	0.0
	MP	9988	0	220.4	131.8	-2.0	570	0.0
	Maharashtra	19778	0	446.0	117.0	-0.2	469	0.0
	Goa	541	0	11.3	10.7	0.0	46	0.0
	DD	344	0	7.4	7.1	0.3	80	0.0
	DNH	826	0	19.1	19.3	-0.2	43	0.0
	Essar steel	292	0	5.3	5.5	-0.2	303	0.0
SR	Andhra Pradesh	7873	0	175.2	20.4	0.5	598	0.0
	Telangana	9208	0	198.7	111.1	2.2	809	0.0
	Karnataka	8303	0	172.9	47.7	0.7	821	0.0
	Kerala	3259	0	62.7	45.6	3.0	336	0.0
	Tamil Nadu	14650	0	312.3	121.6	1.7	648	0.0
	Pondy	408	0	8.5	8.5	-0.1	36	0.0
ER	Bihar	4870	0	88.2	84.3	-0.4	298	0.0
	DVC	2909	0	61.1	-42.5	-0.8	250	0.0
	Jharkhand	999	0	22.5	14.5	-1.4	145	0.0
	Odisha	4626	0	97.4	45.1	2.3	430	0.0
	West Bengal	8572	0	180.5	82.0	1.5	325	0.0
NER	Sikkim	96	0	1.2	1.3	-0.1	20	0.0
	Arunachal Pradesh	126	2	2.4	2.6	-0.2	25	0.0
	Assam	1600	100	29.2	22.7	1.0	79	1.5
	Manipur	158	2	2.5	2.4	0.1	22	0.0
	Meghalaya	315	0	5.4	-0.8	-0.3	46	0.0
	Mizoram	98	2	2.1	1.3	0.1	25	0.0
	Nagaland	127	2	2.2	2.2	-0.2	30	0.0
	Tripura	292	3	4.9	4.8	-0.4	35	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	39.0	-2.1	-26.5
Day peak (MW)	1881.2	-266.0	-1144.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	302.2	-241.0	-2.8	-43.5	-15.2	-0.2
Actual(MU)	311.2	-252.2	31.2	-73.3	-15.7	1.3
O/D/U/D(MU)	9.0	-11.2	33.9	-29.8	-0.5	1.5

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3429	15346	5902	2030	82	26789
State Sector	7755	14384	7350	4580	50	34119
Total	11184	29730	13252	6610	131	60907

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	602	1187	493	421	10	2714
Lignite	17	14	46	0	0	77
Hydro	347	16	38	116	31	548
Nuclear	27	31	60	0	0	118
Gas, Naptha & Diesel	31	56	11	0	29	127
RES (Wind, Solar, Biomass & Others)	79	120	270	2	0	471
Total	1103	1424	919	539	70	4054

Share of RES in total generation (%)	7.18	8.42	29.41	0.38	0.04	11.62
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	41.11	11.73	40.08	21.82	43.77	28.04

H. Diversity Factor

All India Demand Diversity Factor	1.052
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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 : 25-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	85	450	0.0	6.1	-6.1	
2		SASARAM-FATEHPUR	S/C	162	153	0.0	0.3	-0.3	
3		GAYA-BALIA	S/C	0	423	0.0	7.1	-7.1	
4		ALIPURDUAR-AGRA	-	0	1602	0.0	38.0	-38.0	
5		PUSAULI B/B	S/C	0	248	0.0	6.3	-6.3	
6	400 kV	PUSAULI-VARANASI	S/C	0	204	0.0	4.0	-4.0	
7		PUSAULI -ALLAHABAD	S/C	0	117	0.0	2.0	-2.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	741	0.0	10.9	-10.9	
9		PATNA-BALIA	Q/C	0	739	0.0	15.0	-15.0	
10		BIHARSHARIFF-BALIA	D/C	0	340	0.0	6.4	-6.4	
11		MOTIHARI-GORAKHPUR	D/C	0	307	0.0	6.0	-6.0	
12	220 kV	BIHARSHARIFF-VARANASI	D/C	152	180	0.0	1.0	-1.0	
13		PUSAULI-SAHUPURI	S/C	0	162	0.0	3.1	-3.1	
14		132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15			GARWAH-RIHAND	S/C	30	0	0.4	0.0	0.4
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						0.4	106.2	-105.8	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1724	0	23.5	0.0	23.5	
19		NEW RANCHI-DHARAMJAIGARH	D/C	1310	0	20.7	0.0	20.7	
20		JHARSUGUDA-DURG	D/C	324	0	5.6	0.0	5.6	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	294	154	2.9	0.0	2.9	
22		RANCHI-SIPAT	D/C	452	0	7.5	0.0	7.5	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	48	0.0	0.1	-0.1	
24		BUDHIPADAR-KORBA	D/C	177	0	2.5	0.0	2.5	
ER-WR						62.8	0.1	62.7	
Import/Export of ER (With SR)									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1721.0	0.0	20.0	-20.0	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	399.0	0.0	8.5	-8.5	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1481.0	0.0	24.3	-24.3	
28	400 kV	TALCHER-I/C	D/C	985.0	0.0	14.3	0.0	14.3	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	52.8	-52.8	
Import/Export of ER (With NER)									
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	687	0.0	9.6	-10	
31		ALIPURDUAR-BONGAIGAON	D/C	440	107	4.8	0.0	5	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	13	85	0.0	0.8	-1	
ER-NER						4.8	10.3	-5.5	
Import/Export of NER (With NR)									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	1004	0.0	23.8	-23.8	
NER-NR						0.0	23.8	-23.8	
Import/Export of WR (With NR)									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	2202	0.0	43.8	-43.8	
35		V'CHAL B/B	D/C	452	0	7.7	0.0	7.7	
36		APL -MHG	D/C	0	1916	0.0	45.1	-45.1	
37	765 kV	GWALIOR-AGRA	D/C	0	2428	0.0	42.1	-42.1	
38		PHAGI-GWALIOR	D/C	0	1217	0.0	22.5	-22.5	
39		JABALPUR-ORAI	D/C	0	1069	0.0	39.6	-39.6	
40		GWALIOR-ORAI	S/C	566	0	9.7	0.0	9.7	
41		SATNA-ORAI	S/C	0	1429	0.0	29.5	-29.5	
42		CHITTORGARH-BANASKANTHA	D/C	72	604	0.0	3.6	3.6	
43	400 kV	ZERDA-KANKROLI	S/C	115	75	1.0	0.2	0.8	
44		ZERDA -BHINMAL	S/C	310	184	3.0	0.5	2.5	
45		V'CHAL -RIHAND	S/C	960	0	22.2	0.0	22.2	
46		RAPP-SHUJALPUR	D/C	37	343	0	2	-2	
47	220 kV	BHANPURA-RANPUR	S/C	16	64	0.0	0.5	-0.5	
48		BHANPURA-MORAK	S/C	0	126	0.0	1.9	-1.9	
49		MEHGAON-AURAIYA	S/C	101	8	1.0	0.0	1.0	
50		MALANPUR-AURAIYA	S/C	56	37	0.3	0.1	0.2	
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						45.0	231.2	-178.9	
Import/Export of WR (With SR)									
52	HVDC	BHADRAWATI B/B	-	189	610	1.6	5.5	-3.8	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	1526	1629	8.4	0.0	8.4	
55		WARDHA-NIZAMABAD	D/C	14	2598	0.0	28.2	-28.2	
56	400 kV	KOLHAPUR-KUDGI	D/C	1298	0	20.0	0.0	20.0	
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58		PONDA-AMBEWADI	S/C	1	58	0.0	1.1	-1.1	
59		XELDEM-AMBEWADI	S/C	1	33	0.6	0.0	0.6	
WR-SR						30.6	34.8	-4.2	
TRANSNATIONAL EXCHANGE									
60		BHUTAN						39.0	
61		NEPAL						-2.1	
62		BANGLADESH						-26.5	