



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: 13th 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 12.07.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 12-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 12th July 2019, is available at the NLDC website.

धन्यवाद,

Report for previous day

Date of Reporting

13-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)	55643	47220	41492	19435	2374	166164
Peak Shortage (MW)	1668	0	0	0	346	2014
Energy Met (MU)	1294	1099	968	404	45	3810
Hydro Gen (MU)	360	23	54	114	31	583
Wind Gen (MU)	64	158	117	-----	-----	338
Solar Gen (MU)*	22.52	19.65	72.77	1.82	0.07	117
Energy Shortage (MU)	11.8	0.7	0.0	0.0	2.0	14.4
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	59902 22:58	48948 20:02	43533 10:31	20751 21:59	2424 18:41	170968 20:27

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	0.068	0.00	1.91	16.61	18.52	63.07	18.41

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	10632	0	234.5	140.3	-2.3	24	0.0
	Haryana	9765	0	212.3	154.2	-0.7	207	0.0
	Rajasthan	11451	0	249.6	68.3	0.3	381	0.0
	Delhi	6744	0	137.8	116.2	-0.6	170	0.0
	UP	17039	2635	339.7	160.6	0.2	698	1.7
	Uttarakhand	1944	0	41.1	14.5	0.2	170	0.0
	HP	1449	0	29.8	-0.4	0.9	182	0.1
	J&K	2038	509	43.5	20.5	1.4	400	10.0
WR	Chandigarh	260	0	5.4	6.2	-0.8	0	0.0
	Chhattisgarh	4138	0	96.0	27.7	0.5	498	0.7
	Gujarat	16255	0	362.9	79.0	3.4	648	0.0
	MP	8572	0	189.1	80.7	0.0	518	0.0
	Maharashtra	18428	0	407.6	108.7	0.2	610	0.0
	Goa	541	0	11.6	10.3	0.7	76	0.0
	DD	344	0	7.7	7.0	0.7	111	0.0
	DNH	788	0	18.6	18.9	-0.4	103	0.0
SR	Essar steel	316	0	5.6	5.5	0.1	334	0.0
	Andhra Pradesh	9238	0	189.0	26.3	1.7	806	0.0
	Telangana	7900	0	169.9	84.5	0.7	750	0.0
	Karnataka	10403	0	196.5	50.4	4.2	813	0.0
	Kerala	3575	25	70.1	56.1	2.4	278	0.0
	Tamil Nadu	14962	68	334.7	179.3	0.2	750	0.0
	Pondy	396	0	8.2	8.3	-0.1	42	0.0
	Bihar	4442	0	69.9	70.5	-1.2	500	0.0
ER	DVC	3117	0	66.6	-40.9	-0.4	300	0.0
	Jharkhand	1006	0	23.9	14.0	0.0	80	0.0
	Odisha	4362	0	89.7	34.5	4.3	500	0.0
	West Bengal	8675	0	152.9	66.2	2.0	300	0.0
	Sikkim	89	0	1.1	1.1	0.0	25	0.0
NER	Arunachal Pradesh	124	0	2.2	2.7	-0.4	41	0.0
	Assam	1446	260	26.5	20.0	0.9	152	1.9
	Manipur	158	2	2.3	2.1	0.2	77	0.0
	Meghalaya	316	0	6.3	-1.3	0.7	63	0.0
	Mizoram	86	1	1.4	1.1	0.0	17	0.0
	Nagaland	133	3	2.3	2.0	-0.1	34	0.0
	Tripura	280	2	3.6	2.6	-0.1	80	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	37.1	-2.3	-22.1
Day peak (MW)	1889.7	-208.0	-1069.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	270.8	-276.6	101.3	-81.5	-14.4	-0.3
Actual(MU)	264.5	-269.8	125.1	-97.3	-14.1	8.4
O/D/U/D(MU)	-6.3	6.8	23.8	-15.8	0.3	8.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4809	17586	9652	2980	669	35696
State Sector	9360	13839	8360	4470	50	36079
Total	14169	31425	18012	7450	719	71775

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	511	1079	473	425	9	2497
Lignite	20	14	37	0	0	71
Hydro	360	23	54	114	31	583
Nuclear	27	30	55	0	0	112
Gas, Naptha & Diesel	32	49	11	0	24	117
RES (Wind, Solar, Biomass & Others)	101	187	222	2	0	512
Total	1052	1383	852	540	64	3890

Share of RES in total generation (%)	9.60	13.53	26.08	0.34	0.11	13.17
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	46.46	17.35	38.89	21.38	48.95	31.01

H. Diversity Factor

All India Demand Diversity Factor	1.027
-----------------------------------	-------

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 : 13-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	649	0.0	10.7	-10.7	
2		SASARAM-FATEHPUR	S/C	15	245	0.0	3.4	-3.4	
3		GAYA-BALIA	S/C	0	422	0.0	6.3	-6.3	
4		ALIPURDUAR-AGRA	-	0	1701	0.0	39.1	-39.1	
5		PUSAULI B/B	S/C	0	98	0.0	2.4	-2.4	
6	400 kV	PUSAULI-VARANASI	S/C	0	74	0.0	1.1	-1.1	
7		PUSAULI -ALLAHABAD	S/C	0	74	0.0	1.1	-1.1	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	523	0.0	8.5	-8.5	
9		PATNA-BALIA	Q/C	0	661	0.0	14.0	-14.0	
10		BIHARSHARIFF-BALIA	D/C	0	240	0.0	4.5	-4.5	
11		MOTHARI-GORAKHPUR	D/C	0	379	0.0	7.3	-7.3	
12	220 kV	BIHARSHARIFF-VARANASI	D/C	22	171	0.0	2.4	-2.4	
13		PUSAULI-SAHUPURI	S/C	0	173	0.0	2.8	-2.8	
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	103.7	-103.1	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1897	0	35.9	0.0	35.9	
19		NEW RANCHI-DHARAMJAIGARH	D/C	744	154	9.5	0.0	9.5	
20		JHARSUGUDA-DURG	D/C	289	0	4.1	0.0	4.1	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	307	59	3.5	0.0	3.5	
22		RANCHI-SIPAT	D/C	305	18	4.0	0.0	4.0	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	18	52	0.0	0.4	-0.4	
24		BUDHIPADAR-KORBA	D/C	240	0	4.9	0.0	4.9	
ER-WR						61.8	0.4	61.4	
Import/Export of ER (With SR)									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1927.0	0.0	25.4	-25.4	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	675.0	0.0	14.0	-14.0	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2466.0	0.0	46.6	-46.6	
28	400 kV	TALCHER-I/C	D/C	0.0	1204.0	0.0	14.4	-14.4	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	4.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	85.9	-85.9	
Import/Export of ER (With NER)									
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	693	0.0	8.5	-9	
31		ALIPURDUAR-BONGAIGAON	D/C	568	203	7.0	0.0	7	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	30	117	0.0	0.6	-1	
ER-NER						7.0	9.1	-2.2	
Import/Export of NER (With NR)									
33	HVDC	BISWANATH CHARIALI-AGRA	-	1004	0	0.0	18.5	-18.5	
NER-NR						0.0	18.5	-18.5	
Import/Export of WR (With NR)									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1005	0.0	23.7	-23.7	
35		V'CHAL B/B	D/C	452	251	0.0	6.7	-6.7	
36		APL -MHG	D/C	0	1171	0.0	29.1	-29.1	
37	765 kV	GWALIOR-AGRA	D/C	0	2156	0.0	35.2	-35.2	
38		PHAGI-GWALIOR	D/C	0	1069	0.0	19.6	-19.6	
39		JABALPUR-ORAI	D/C	0	944	0.0	30.7	-30.7	
40		GWALIOR-ORAI	S/C	311	0	6.1	0.0	6.1	
41		SATNA-ORAI	S/C	0	1292	0.0	25.9	-25.9	
42		CHITTORGARH-BANASKANTHA	D/C	0	820	0.0	10.3	10.3	
43	400 kV	ZERDA-KANKROLI	S/C	126	74	0.9	0.2	0.7	
44		ZERDA -BHINMAL	S/C	291	0	4.6	0.0	4.6	
45		V'CHAL -RIHAND	S/C	967	0	22.3	0.0	22.3	
46	220 kV	RAPP-SHUJALPUR	D/C	69	326	0	2	-2	
47		BHANPURA-RANPUR	S/C	16	71	0.0	0.7	-0.7	
48		BHANPURA-MORAK	S/C	0	175	0.0	3.2	-3.2	
49		MEHGAON-AURAIYA	S/C	89	0	1.0	0.0	1.0	
50		MALANPUR-AURAIYA	S/C	54	14	0.3	0.0	0.2	
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						35.1	186.9	-131.1	
Import/Export of WR (With SR)									
52	HVDC	BHADRAWATI B/B	-	0	1002	0.0	20.2	-20.2	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	20	1726	0.0	19.7	-19.7	
55		WARDHA-NIZAMABAD	D/C	0	2634	0.0	32.8	-32.8	
56	400 kV	KOLHAPUR-KUDGI	D/C	396	557	2.6	2.7	-0.1	
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58		PONDA-AMBEWADI	S/C	0	84	0.0	1.5	-1.5	
59		XELDEM-AMBEWADI	S/C	0	48	0.9	0.0	0.9	
WR-SR						3.5	76.9	-73.4	
TRANSNATIONAL EXCHANGE									
60		BHUTAN						37.1	
61		NEPAL						-2.3	
62		BANGLADESH						-22.1	