



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: 12th July 2019

To,

1. कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के., 14, गोल्फ क्लब रोड, कोलकाता - 700033
Executive Director, ERLDC, 14 Golf Club Road, Tollygunge, Kolkata, 700033
2. 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
3. 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
4. मुख्य महाप्रबंधक, ऊ.पू.क्षे.भा.प्रे.के., डोंगतेह, लोअर नोंग्रह, लापलंग, शिलोंग - 793006
Chief General Manager, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
5. 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 11.07.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 11-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 11th July 2019, is available at the NLDC website.

धन्यवाद,

पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड
राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली

Report for previous day

Date of Reporting

12-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)	55690	46698	40459	17694	2515	163056
Peak Shortage (MW)	1292	0	0	0	241	1533
Energy Met (MU)	1268	1076	943	401	46	3734
Hydro Gen (MU)	358	18	41	119	29	566
Wind Gen (MU)	67	185	175	-----	-----	427
Solar Gen (MU)*	22.42	19.47	68.30	1.77	0.01	112
Energy Shortage (MU)	14.8	0.0	0.0	0.0	3.6	18.4
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	59918 22:31	48810 19:40	41263 07:23	20145 21:02	2530 19:14	169702 20:28

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	0.062	0.00	0.79	11.04	11.83	53.56	34.61

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	10953	0	244.6	142.6	-4.3	84	0.0
	Haryana	9779	0	214.6	156.3	0.6	323	0.2
	Rajasthan	11238	0	242.6	65.6	0.7	350	0.0
	Delhi	6826	0	135.5	113.4	1.4	275	0.1
	UP	16410	870	313.4	147.6	-0.8	577	4.5
	Uttarakhand	1863	0	40.3	14.2	0.0	118	0.0
	HP	1375	10	29.0	-0.9	1.0	119	0.0
	J&K	1867	467	42.4	19.7	1.3	256	10.0
WR	Chandigarh	267	0	5.5	6.3	-0.9	8	0.0
	Chhattisgarh	3981	0	91.8	28.2	0.4	299	0.0
	Gujarat	16025	0	354.4	73.7	4.8	825	0.0
	MP	8408	0	180.9	72.3	0.0	549	0.0
	Maharashtra	18013	0	403.8	116.7	-1.7	380	0.0
	Goa	541	0	11.6	9.9	1.1	67	0.0
	DD	337	0	7.6	7.0	0.6	42	0.0
	DNH	797	0	18.7	18.9	-0.2	41	0.0
SR	Essar steel	452	0	7.2	7.7	-0.4	265	0.0
	Andhra Pradesh	8798	0	187.1	8.0	1.0	582	0.0
	Telangana	7733	0	163.8	79.6	1.8	707	0.0
	Karnataka	10056	0	190.0	43.0	1.4	709	0.0
	Kerala	3386	0	67.2	55.5	2.3	279	0.0
	Tamil Nadu	14696	0	327.2	164.5	2.3	1331	0.0
	Pondy	388	0	8.1	8.3	-0.3	51	0.0
ER	Bihar	3809	0	59.2	59.0	-3.5	50	0.0
	DVC	2927	0	64.7	-40.6	-0.5	150	0.0
	Jharkhand	999	0	22.6	14.1	-1.2	70	0.0
	Odisha	4318	0	88.3	37.2	4.1	450	0.0
	West Bengal	7870	0	164.9	60.0	1.0	200	0.0
	Sikkim	87	0	1.2	1.1	0.1	25	0.0
NER	Arunachal Pradesh	131	2	2.3	2.9	-0.6	7	0.0
	Assam	1575	192	27.2	20.4	1.4	132	3.5
	Manipur	152	1	2.4	2.3	0.1	23	0.0
	Meghalaya	310	0	5.3	-0.3	0.0	116	0.0
	Mizoram	82	2	1.7	1.3	0.2	14	0.0
	Nagaland	135	3	2.2	2.0	-0.1	26	0.0
	Tripura	241	2	4.5	3.7	-0.1	77	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	43.9	-3.6	-25.5
Day peak (MW)	1938.9	-191.6	-1095.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	270.9	-261.4	81.8	-74.6	-16.6	0.0
Actual(MU)	264.3	-252.1	98.1	-91.0	-14.8	4.5
O/D/U/D(MU)	-6.6	9.3	16.3	-16.4	1.8	4.5

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5014	16926	8492	2480	306	33218
State Sector	10005	16704	8360	4460	50	39579
Total	15019	33630	16852	6940	356	72797

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	486	1017	437	403	8	2351
Lignite	17	13	32	0	0	62
Hydro	358	18	41	119	29	566
Nuclear	27	30	55	0	0	112
Gas, Naptha & Diesel	30	40	10	0	29	110
RES (Wind, Solar, Biomass & Others)	104	214	274	2	0	594
Total	1023	1331	850	523	67	3794

Share of RES in total generation (%)	10.19	16.05	32.28	0.35	0.01	15.66
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	47.83	19.63	43.63	23.00	44.07	33.51

H. Diversity Factor

All India Demand Diversity Factor	1.017
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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 :	12-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	674	0.0	10.7	-10.7	
2		SASARAM-FATEHPUR	S/C	4	297	0.0	3.2	-3.2	
3		GAYA-BALIA	S/C	0	405	0.0	6.7	-6.7	
4	HVDC	ALIPURDUAR-AGRA	-	0	1701	0.0	41.6	-41.6	
5		PUSAULI B/B	S/C	0	346	0.0	3.7	-3.7	
6	400 kV	PUSAULI-VARANASI	S/C	0	231	0.0	2.3	-2.3	
7		PUSAULI -ALLAHABAD	S/C	0	145	0.0	1.2	-1.2	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	632	0.0	10.6	-10.6	
9		PATNA-BALIA	Q/C	0	785	0.0	10.7	-10.7	
10		BIHARSHARIFF-BALIA	D/C	0	276	0.0	4.4	-4.4	
11		MOTIHARI-GORAKHPUR	D/C	0	366	0.0	5.7	-5.7	
12		BIHARSHARIFF-VARANASI	D/C	35	223	0.0	1.7	-1.7	
13	220 kV	PUSAULI-SAHUPURI	S/C	11	148	0.0	1.7	-1.7	
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	103.9	-103.5
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	2005	0	33.4	0.0	33.4	
19		NEW RANCHI-DHARAMJAIGARH	D/C	758	223	9.5	0.0	9.5	
20		JHARSUGUDA-DURG	D/C	331	0	3.7	0.0	3.7	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	310	69	2.6	0.0	2.6	
22		RANCHI-SIPAT	D/C	293	38	4.9	0.0	4.9	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	31	45	0.0	0.3	-0.3	
24		BUDHIPADAR-KORBA	D/C	248	0	4.7	0.0	4.7	
						ER-WR	58.8	0.3	58.5
Import/Export of ER (With SR)									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1833.0	0.0	28.0	-28.0	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	415.0	0.0	9.9	-9.9	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1985.0	0.0	39.0	-39.0	
28	400 kV	TALCHER-I/C	D/C	0.0	1229.0	0.0	9.8	-9.8	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
						ER-SR	0.0	76.8	-76.8
Import/Export of ER (With NER)									
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	534	0.0	6.5	-7	
31		ALIPURDUAR-BONGAIGAON	D/C	467	0	8.0	0.0	8	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	14	75	0.0	0.4	0	
						ER-NER	8.0	6.9	1.1
Import/Export of NER (With NR)									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	702	0.0	16.5	-16.5	
						NER-NR	0.0	16.5	-16.5
Import/Export of WR (With NR)									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	2000	0.0	25.1	-25.1	
35		V'CHAL B/B	D/C	448	251	3.8	4.1	-0.3	
36		APL -MHG	D/C	0	1170	0.0	29.1	-29.1	
37	765 kV	GWALIOR-AGRA	D/C	0	2050	0.0	34.5	-34.5	
38		PHAGI-GWALIOR	D/C	0	1296	0.0	21.9	-21.9	
39		JABALPUR-ORAI	D/C	0	907	0.0	31.0	-31.0	
40		GWALIOR-ORAI	S/C	374	0	6.8	0.0	6.8	
41		SATNA-ORAI	S/C	0	1300	0.0	26.2	-26.2	
42		CHITTORGARH-BANASKANTHA	D/C	0	867	0.0	6.6	6.6	
43		ZERDA-KANKROLI	S/C	132	86	1.1	0.2	0.9	
44	400 kV	ZERDA -BHINMAL	S/C	337	0	4.9	0.0	4.9	
45		V'CHAL -RIHAND	S/C	970	0	21.9	0.0	21.9	
46		RAPP-SHUJALPUR	D/C	41	347	0	2	-2	
47	220 kV	BHANPURA-RANPUR	S/C	46	80	0.1	0.7	-0.6	
48		BHANPURA-MORAK	S/C	0	194	0.0	3.3	-3.3	
49		MEHGAON-AURAIYA	S/C	84	0	0.9	0.0	0.9	
50		MALANPUR-AURAIYA	S/C	52	15	0.3	0.1	0.2	
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						WR-NR	39.7	184.4	-131.5
Import/Export of WR (With SR)									
52	HVDC	BHADRAWATI B/B	-	0	1002	0.0	14.9	-14.9	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	640	1535	1.2	13.8	-12.6	
55		WARDHA-NIZAMABAD	D/C	0	2086	0.0	29.9	-29.9	
56	400 kV	KOLHAPUR-KUDGI	D/C	748	197	5.7	0.3	5.4	
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58		PONDA-AMBEWADI	S/C	1	71	0.0	1.4	-1.4	
59		XELDEM-AMBEWADI	S/C	1	40	0.8	0.0	0.8	
						WR-SR	7.7	60.2	-52.5
TRANSNATIONAL EXCHANGE									
60		BHUTAN						43.9	
61		NEPAL						-3.6	
62		BANGLADESH						-25.5	