



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: 14th 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., डोंगतिह, 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 13.07.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 13-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 13th 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

14-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)	54148	48165	39757	19843	2580	164493
Peak Shortage (MW)	2437	0	0	0	172	2609
Energy Met (MU)	1280	1116	950	423	46	3816
Hydro Gen (MU)	357	19	48	110	32	566
Wind Gen (MU)	67	156	128	-----	-----	352
Solar Gen (MU)*	25.40	20.3	75.61	1.95	0.01	123
Energy Shortage (MU)	13.2	0.0	0.0	0.0	2.3	15.5
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	9820	0	215.0	132.9	-2.5	204	0.0
	Haryana	9616	0	207.1	157.3	0.9	365	3.7
	Rajasthan	11695	0	252.4	62.7	0.0	444	0.0
	Delhi	6643	0	132.5	111.5	0.1	222	0.0
	UP	17631	160	363.5	164.8	0.6	501	0.0
	Uttarakhand	1831	0	38.0	13.3	-0.6	133	0.0
	HP	1255	0	27.0	-2.4	-0.5	93	0.0
	J&K	1891	473	40.1	17.8	0.4	236	9.5
WR	Chandigarh	222	0	4.7	5.3	-0.6	29	0.0
	Chhattisgarh	4319	0	99.2	31.6	-0.2	350	0.0
	Gujarat	16282	0	364.6	68.2	2.9	514	0.0
	MP	8772	0	194.2	86.2	0.0	658	0.0
	Maharashtra	18383	0	415.0	111.0	0.7	439	0.0
	Goa	541	0	11.6	10.8	0.2	89	0.0
	DD	336	0	7.7	7.0	0.7	45	0.0
	DNH	792	0	18.6	18.9	-0.3	36	0.0
SR	Essar steel	254	0	5.2	5.5	-0.3	304	0.0
	Andhra Pradesh	8831	0	184.1	34.8	-0.6	498	0.0
	Telangana	7733	0	166.9	77.8	1.2	496	0.0
	Karnataka	9984	0	196.1	51.1	2.2	490	0.0
	Kerala	3487	0	72.2	58.6	3.0	363	0.0
	Tamil Nadu	14358	0	322.9	164.3	0.2	498	0.0
	Pondy	361	0	7.6	7.8	-0.3	35	0.0
	ER	Bihar	4315	0	70.2	71.8	-2.0	300
DVC		3037	0	66.8	-42.1	-0.2	150	0.0
Jharkhand		1164	0	25.2	15.7	-0.2	130	0.0
Odisha		4131	0	90.6	38.6	1.3	450	0.0
West Bengal		8311	0	169.5	69.7	2.4	180	0.0
NER	Sikkim	85	0	1.0	1.2	-0.2	15	0.0
	Arunachal Pradesh	113	4	2.1	2.6	-0.5	11	0.0
	Assam	1674	54	28.1	21.1	1.3	89	1.7
	Manipur	154	7	2.4	2.3	0.1	19	0.0
	Meghalaya	325	6	5.7	-1.4	-0.1	60	0.0
	Mizoram	95	4	1.8	1.1	0.4	14	0.0
	Nagaland	118	7	2.2	2.1	-0.4	33	0.0
	Tripura	221	14	4.1	2.9	0.4	28	0.6

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	39.2	-1.6	-22.6
Day peak (MW)	1860.7	-107.6	-1045.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	267.1	-282.9	107.7	-77.0	-14.9	0.0
Actual(MU)	249.5	-279.1	125.7	-86.1	-15.5	-5.5
O/D/U/D(MU)	-17.6	3.8	18.0	-9.2	-0.6	-5.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5309	17131	8852	2475	306	34073
State Sector	12620	15300	7720	4680	50	40370
Total	17929	32431	16572	7155	356	74442

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	503	1107	450	423	9	2491
Lignite	20	14	36	0	0	70
Hydro	357	19	48	110	32	566
Nuclear	27	30	55	0	0	112
Gas, Naptha & Diesel	31	43	11	0	26	111
RES (Wind, Solar, Biomass & Others)	108	187	235	2	0	533
Total	1046	1401	835	535	67	3883

Share of RES in total generation (%)	10.35	13.38	28.19	0.37	0.02	13.73
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	47.09	16.88	40.55	20.97	47.73	31.20

H. Diversity Factor

All India Demand Diversity Factor	1.027
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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 :	14-Jul-19
Sl No	Voltage Level	Line Details	Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)	
								Import=(+ve) /Export =(-ve) for NET (MU)	
Import/Export of ER (With NR)									
1	765kV	GAYA-VARANASI	D/C	54	697	0.0	8.5	-8.5	
2		SASARAM-FATEHPUR	S/C	42	238	0.0	2.8	-2.8	
3		GAYA-BALIA	S/C	25	398	0.0	5.2	-5.2	
4	HVDC	ALIPURDUAR-AGRA	-	0	1601	0.0	36.7	-36.7	
5		PUSAULI B/B	S/C	0	98	0.0	2.5	-2.5	
6	400 kV	PUSAULI-VARANASI	S/C	0	94	0.0	1.3	-1.3	
7		PUSAULI -ALLAHABAD	S/C	0	83	0.0	1.0	-1.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	13	573	0.0	8.6	-8.6	
9		PATNA-BALIA	Q/C	0	772	0.0	13.7	-13.7	
10		BIHARSHARIFF-BALIA	D/C	0	276	0.0	4.1	-4.1	
11		MOTIHARI-GORAKHPUR	D/C	0	356	0.0	6.9	-6.9	
12		BIHARSHARIFF-VARANASI	D/C	52	268	0.0	2.4	-2.4	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	191	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	0.5	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	96.7	-96.2
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	2170	0	40.0	0.0	40.0	
19		NEW RANCHI-DHARAMJAIGARH	D/C	916	81	12.9	0.0	12.9	
20		JHARSUGUDA-DURG	D/C	316	0	4.1	0.0	4.1	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	341	42	4.1	0.0	4.1	
22		RANCHI-SIPAT	D/C	343	0	5.1	0.0	5.1	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	75	0.0	1.0	-1.0	
24		BUDHIPADAR-KORBA	D/C	219	0	4.3	0.0	4.3	
						ER-WR	70.5	1.0	69.4
Import/Export of ER (With SR)									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1541.0	0.0	26.0	-26.0	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	681.0	0.0	15.2	-15.2	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2475.0	0.0	48.5	-48.5	
28	400 kV	TALCHER-I/C	D/C	0.0	1177.0	0.0	16.3	-16.3	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
						ER-SR	0.0	89.6	-89.6
Import/Export of ER (With NER)									
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	613	0.0	7.9	-8	
31		ALIPURDUAR-BONGAIGAON	D/C	453	0	6.3	0.0	6	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	14	84	0.0	0.5	-1	
						ER-NER	6.3	8.4	-2.1
Import/Export of NER (With NR)									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	804	0.0	19.5	-19.5	
						NER-NR	0.0	19.5	-19.5
Import/Export of WR (With NR)									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1151	0.0	18.3	-18.3	
35		V'CHAL B/B	D/C	452	0	12.2	0.0	12.2	
36		APL -MHG	D/C	0	1169	0.0	29.1	-29.1	
37	765 kV	GWALIOR-AGRA	D/C	0	2345	0.0	37.9	-37.9	
38		PHAGI-GWALIOR	D/C	0	1060	0.0	18.6	-18.6	
39		JABALPUR-ORAI	D/C	0	956	0.0	32.9	-32.9	
40		GWALIOR-ORAI	S/C	376	0	6.1	0.0	6.1	
41		SATNA-ORAI	S/C	0	1305	0.0	26.7	-26.7	
42		CHITTORGARH-BANASKANTHA	D/C	73	991	0.0	12.6	12.6	
43		ZERDA-KANKROLI	S/C	156	113	0.7	0.5	0.2	
44	400 kV	ZERDA -BHINMAL	S/C	298	0	3.7	0.0	3.7	
45		V'CHAL -RIHAND	S/C	963	0	22.5	0.0	22.5	
46		RAPP-SHUJALPUR	D/C	123	326	0	2	-2	
47	220 kV	BHANPURA-RANPUR	S/C	35	78	0.1	0.6	-0.5	
48		BHANPURA-MORAK	S/C	0	172	0.0	3.1	-3.1	
49		MEHGAON-AURAIYA	S/C	97	0	0.9	0.0	0.9	
50		MALANPUR-AURAIYA	S/C	63	24	0.3	0.2	0.1	
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						WR-NR	46.5	182.0	-110.2
Import/Export of WR (With SR)									
52	HVDC	BHADRAWATI B/B	-	0	995	0.0	20.7	-20.7	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	0	1595	0.0	17.5	-17.5	
55		WARDHA-NIZAMABAD	D/C	0	2273	0.0	35.6	-35.6	
56	400 kV	KOLHAPUR-KUDGI	D/C	497	289	3.5	0.0	3.5	
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58		PONDA-AMBEWADI	S/C	0	78	0.0	1.5	-1.5	
59		XELDEM-AMBEWADI	S/C	0	46	0.9	0.0	0.9	
						WR-SR	4.4	75.3	-71.0
TRANSNATIONAL EXCHANGE									
60		BHUTAN						39.2	
61		NEPAL						-1.6	
62		BANGLADESH						-22.6	