



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 सराय, न्यू दिल्ली-110016

Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 11th July 2018

To,

1. महाप्रबंधक, पू.क्षे.भा.प्रे.के., 14, गोल्फ क्लब रोड, कोलकाता - 700033
General Manager, ERLDC, 14 Golf Club Road, Tolleygunge, Kolkata, 700033
2. महाप्रबंधक, ऊ.क्षे.भा.प्रे.के., 18/ ए, शहीद जीत सिंह सनसनवाल मार्ग, नई दिल्ली - 110016
General Manager, NRLDC, 18-A, Shaheed Jeet Singh Marg, Katwaria Sarai, New Delhi - 110016
3. महाप्रबंधक, प.क्षे.भा.प्रे.के., एफ3-, एम आई डी सी क्षेत्र, अंधेरी, मुंबई -400093
General Manager, WRLDC, F-3, M.I.D.C. Area, Marol, Andheri (East), Mumbai-400093
4. महाप्रबंधक, ऊ.पू.क्षे.भा.प्रे.के., डोंगतिह, लोअर नोंग्रह, लापलंग, शिलोंग - 793006
General Manager, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
5. अपर महाप्रबंधक, द.क्षे.भा.प्रे.के., 29, रेस कोर्स क्रॉस रोड, बंगलुरु -560009
Additional General Manager, SRLDC, 29, Race Course Cross Road, Bangalore-560009

Sub: Daily PSP Report for the date 10.07.2018.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 10 जुलाई 2018 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 10th July 2018, 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

11-Jul-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs: from RLDCs)	59897	43670	38111	20442	2609	164728
Peak Shortage (MW)	1915	0	0	0	174	2089
Energy Met (MU)	1421	1012	879	441	52	3805
Hydro Gen (MU)	333	15	66	88	25	527
Wind Gen (MU)	34	110	226	-----	-----	370
Solar Gen (MU)*	15.36	10.47	32.39	0.64	0.02	59
Energy Shortage (MU)	21.7	0.0	0.0	0.0	1.2	22.9
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	62727 22:11	44218 11:22	38758 19:36	21577 20:47	2721 19:25	167867 20:08

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	0.104	0.36	4.57	26.85	31.78	64.87	3.34

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	12341	0	277.1	143.6	-1.2	74	0.0
	Haryana	9840	300	218.9	154.4	4.6	368	0.5
	Rajasthan	10596	82	238.4	73.1	1.8	465	1.9
	Delhi	6893	0	139.7	109.2	-1.0	295	0.0
	UP	19116	510	428.4	217.4	2.5	277	8.7
	Uttarakhand	2085	0	46.2	17.7	1.7	214	0.3
	HP	1267	50	24.9	-0.8	1.0	208	0.9
	J&K	1978	494	40.0	18.1	-3.6	67	9.5
WR	Chandigarh	365	0	7.0	7.0	0.0	47	0.0
	Chhattisgarh	3708	0	83.4	28.2	-1.6	679	0.0
	Gujarat	14469	0	326.1	103.3	6.2	844	0.0
	MP	7600	0	167.4	72.1	-1.6	338	0.0
	Maharashtra	17475	0	390.8	88.1	-0.4	643	0.0
	Goa	351	0	9.2	8.6	0.0	61	0.0
	DD	337	0	7.4	6.4	1.0	87	0.0
	DNH	762	0	17.7	17.0	0.7	98	0.0
SR	Essar steel	553	0	10.1	9.3	0.7	300	0.0
	Andhra Pradesh	6851	0	155.0	8.4	1.1	492	0.0
	Telangana	6832	0	179.4	78.1	-0.2	348	0.0
	Karnataka	8217	0	168.6	38.1	-1.7	480	0.0
	Kerala	3026	0	61.8	35.3	0.4	237	0.0
	Tamil Nadu	14012	0	306.6	100.1	-0.2	495	0.0
	Pondy	375	0	8.0	8.0	0.0	58	0.0
	ER	Bihar	4911	0	94.5	92.3	-0.3	100
DVC		3418	0	69.8	-20.5	-1.5	180	0.0
Jharkhand		1175	0	24.9	19.6	-0.1	120	0.0
Odisha		4115	0	80.3	31.2	2.9	400	0.0
West Bengal		8393	0	170.3	52.8	3.5	250	0.0
Sikkim		85	0	1.1	1.4	-0.3	0	0.0
NER	Arunachal Pradesh	115	3	2.3	2.4	0.0	23	0.0
	Assam	1705	84	32.8	26.3	1.7	130	0.9
	Manipur	159	6	2.5	2.5	0.0	30	0.1
	Meghalaya	303	0	5.5	-0.2	0.6	38	0.0
	Mizoram	84	4	1.5	0.8	0.1	9	0.0
	Nagaland	113	2	2.3	2.0	0.1	12	0.0
	Tripura	271	5	4.6	4.0	-0.2	26	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	33.9	-6.4	-14.8
Day peak (MW)	1478.3	-474.2	-643.5

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	332.1	-272.8	0.8	-61.8	-3.5	-5.2
Actual(MU)	338.3	-272.8	-9.6	-54.2	-3.4	-1.7
O/D/U/D(MU)	6.2	0.0	-10.4	7.7	0.1	3.5

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4062	14482	9262	1155	56	29017
State Sector	6980	16260	10590	6765	50	40645
Total	11042	30742	19852	7920	106	69662

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	646	1087	465	428	10	2636
Hydro	333	15	67	88	24	528
Nuclear	27	30	45	0	0	102
Gas, Naptha & Diesel	41	50	22	0	24	137
RES (Wind, Solar, Biomass & Others)	60	121	301	1	0	483
Total	1108	1302	900	518	58	3886

Share of RES in total generation (%)	5.45	9.28	33.40	0.18	0.07	12.42
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	37.97	12.70	45.90	17.26	41.95	28.64

H. Diversity Factor

All India Demand Diversity Factor	1.013
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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 : 11-Jul-18

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	525	0.0	8.1	-8.1	
2		SASARAM-FATEHPUR	S/C	358	0	4.6	0.0	4.6	
3		GAYA-BALIA	S/C	0	547	0.0	9.5	-9.5	
4		ALIPURDUAR-AGRA	-	0	683	0.0	15.3	-15.3	
5	400 kV	PUSAULI B/B	S/C	3	377	0.0	8.1	-8.1	
6		PUSAULI-VARANASI	S/C	0	278	0.0	0.0	0.0	
7		PUSAULI -ALLAHABAD	S/C	49	163	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	765	0.0	11.6	-11.6	
9		PATNA-BALIA	Q/C	0	1005	0.0	20.1	-20.1	
10		BIHARSHARIFF-BALIA	D/C	0	384	0.0	6.8	-6.8	
11		MOTIHARI-GORAKHPUR	D/C	317	2	4.9	0.0	4.9	
12		BIHARSHARIFF-VARANASI	D/C	734	0	0.0	0.0	0.0	
13		220 kV	PUSAULI-SAHUPURI	S/C	0	200	0.0	4.3	-4.3
14		132 kV	SONE NAGAR-RIHAND	S/C	14	0	0.0	0.0	0.0
15	GARWAH-RIHAND		S/C	35	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						9.9	83.8	-73.9	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	496	120	3.7	0.0	3.7	
19		NEW RANCHI-DHARAMJAIGARH	D/C	920	0	17.7	0.0	17.7	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	910	0	16.3	0.0	16.3	
21		RANCHI-SIPAT	D/C	439	4	7.1	0.0	7.1	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	53	64	0.0	0.1	-0.1	
23		BUDHIPADAR-KORBA	D/C	133	0	2.3	0.0	2.3	
ER-WR						47.1	0.1	47.0	
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	414.9	853.9	0.0	5.4	-5.4	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	418.2	0.0	9.8	-9.8	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	795.1	0.0	16.0	-16.0	
27	400 kV	TALCHER-I/C	D/C	1124.9	0.6	0.0	20.2	-20.2	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	31.3	-31.3	
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	556	0.0	10.3	-10	
30		ALIPURDUAR-BONGAIGAON	D/C	44	381	0.0	4.9	-5	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	144	0.0	2.5	-2	
ER-NER						0.0	17.7	-17.7	
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	1001	0.0	23.6	-23.6	
NER-NR						0.0	23.6	-23.6	
Import/Export of WR (With NR)									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	610	1174	0.0	9.8	-9.8	
34		V'CHAL B/B	D/C	240	251	0.2	2.8	-2.7	
35		APL -MHG	D/C	0	2184	0.0	49.6	-49.6	
36		GWALIOR-AGRA	D/C	0	1561	0.0	62.2	-62.2	
37	765 kV	PHAGI-GWALIOR	D/C	0	1561	0.0	31.7	-31.7	
38		JABALPUR-ORAI	D/C	0	0	0.0	0.0	0.0	
39		GWALIOR-ORAI	S/C	478	0	9.7	0.0	9.7	
40		SATNA-ORAI	S/C	0	1863	0.0	41.5	-41.5	
41		400 kV	ZERDA-KANKROLI	S/C	233	59	1.9	0.0	1.9
42			ZERDA -BHINMAL	S/C	141	75	1.1	0.0	1.1
43	V'CHAL -RIHAND		S/C	965	0	22.2	0.0	22.2	
44	RAPP-SHUJALPUR		D/C	0	830	0	34	-34	
45	220 kV	BADOD-KOTA	S/C	21	48	0.0	0.9	-0.9	
46		BADOD-MORAK	S/C	0	105	0.0	1.6	-1.6	
47		MEHGAON-AURAIYA	S/C	27	52	0.1	0.4	-0.4	
48	132kV	MALANPUR-AURAIYA	S/C	0	73	0.0	1.0	-1.0	
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						35.1	235.0	-199.9	
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	207	0.0	4.8	-4.8	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	1885	377	15.3	0.0	15.3	
53		WARDHA-NIZAMABAD	D/C	0	2505	0.0	50.7	-50.7	
54	400 kV	KOLHAPUR-KUDGI	D/C	1079	0	14.7	0.0	14.7	
55	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
56		PONDA-AMBEWADI	S/C	0	0	0.0	0.0	0.0	
57		XELDEM-AMBEWADI	S/C	0	0	0.0	0.0	0.0	
WR-SR						30.0	55.5	-25.5	
TRANSNATIONAL EXCHANGE									
58		BHUTAN						33.9	
59		NEPAL						-6.4	
60		BANGLADESH						-14.8	