



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: 14th 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., डोंगतेह, 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 13.07.2018.

महोदय/Dear Sir,

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

14-Jul-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs: from RLDCs)	51167	42029	37949	19947	2575	153667
Peak Shortage (MW)	1274	0	149	0	123	1545
Energy Met (MU)	1266	972	828	446	51	3562
Hydro Gen (MU)	312	21	70	94	28	525
Wind Gen (MU)	23	90	229	-----	-----	343
Solar Gen (MU)*	14.49	12.12	39.20	0.61	0.02	66
Energy Shortage (MU)	10.0	0.0	0.0	0.0	1.1	11.1
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	58528 00:08	45485 15:40	38697 07:22	21826 21:20	2520 20:29	158779 20:11

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	0.041	0.00	0.53	8.65	9.18	79.71	11.11

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	10804	0	225.5	132.5	-1.4	133	0.0	
	Haryana	9283	19	196.2	148.2	-0.1	236	0.1	
	Rajasthan	8858	0	227.3	66.3	1.7	399	0.0	
	Delhi	6030	0	120.7	94.3	-2.7	95	0.0	
	UP	18478	930	379.8	182.8	0.0	306	0.0	
	Uttarakhand	1946	0	42.2	21.0	0.5	232	0.0	
	HP	1301	68	27.8	0.1	3.2	210	0.3	
	J&K	2154	539	41.1	18.6	-0.7	357	9.7	
	Chandigarh	272	0	5.9	6.5	-0.7	12	0.0	
	WR	Chhattisgarh	3380	0	81.0	22.5	-2.3	363	0.0
Gujarat		13527	0	303.4	97.3	5.5	614	0.0	
MP		7412	0	158.7	75.3	2.7	500	0.0	
Maharashtra		17529	0	383.1	101.1	-0.7	623	0.0	
Goa		351	0	9.2	7.7	0.9	103	0.0	
DD		310	0	8.6	5.7	2.9	119	0.0	
DNH		743	0	16.5	16.6	-0.1	96	0.0	
Essar steel		556	0	11.4	11.9	-0.6	267	0.0	
SR		Andhra Pradesh	6729	0	153.7	12.7	1.2	528	0.0
		Telangana	7079	0	146.8	70.0	-0.8	372	0.0
	Karnataka	7808	0	156.1	36.9	-2.1	400	0.0	
	Kerala	3184	0	62.1	35.2	0.6	167	0.0	
	Tamil Nadu	13944	0	301.3	97.5	-2.7	657	0.0	
	Pondy	373	0	8.0	8.2	-0.2	42	0.0	
	ER	Bihar	5042	0	97.9	92.7	3.0	425	0.0
		DVC	3412	0	71.5	-23.8	-0.2	385	0.0
		Jharkhand	1103	0	24.6	19.1	0.1	125	0.0
		Odisha	4195	0	77.0	34.7	1.5	452	0.0
West Bengal		8708	0	173.4	61.2	1.7	485	0.0	
NER	Sikkim	90	0	1.2	1.4	-0.2	20	0.0	
	Arunachal Pradesh	92	6	2.4	2.9	-0.5	23	0.1	
	Assam	1662	83	31.5	26.1	0.7	130	0.9	
	Manipur	176	2	2.4	2.7	-0.3	30	0.0	
	Meghalaya	303	0	5.6	1.0	-0.3	38	0.0	
	Mizoram	62	3	1.5	1.0	-0.1	9	0.0	
	Nagaland	94	1	2.4	2.1	-0.1	12	0.0	
	Tripura	250	1	4.8	4.2	-0.4	26	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	32.7	-6.7	-13.6
Day peak (MW)	1482.0	-339.5	-595.7

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	291.5	-230.9	-3.0	-53.3	-2.5	1.8
Actual(MU)	287.5	-230.9	-13.7	-41.0	-6.5	-4.6
O/D/U/D(MU)	-4.0	0.0	-10.8	12.3	-4.0	-6.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3903	15997	8672	1505	56	30133
State Sector	7250	17929	12050	5705	50	42984
Total	11153	33926	20722	7210	106	73117

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	588	1010	409	415	8	2430
Hydro	312	21	71	94	28	526
Nuclear	27	30	46	0	0	103
Gas, Naptha & Diesel	31	45	23	0	24	123
RES (Wind, Solar, Biomass & Others)	48	103	303	1	0	455
Total	1007	1208	851	511	60	3637

Share of RES in total generation (%)	4.80	8.49	35.59	0.17	0.06	12.50
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	38.47	12.68	49.30	18.64	46.92	29.79

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 : 14-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	485	0.0	8.1	-8.1	
2		SASARAM-FATEHPUR	S/C	165	87	1.3	0.0	1.3	
3		GAYA-BALIA	S/C	0	435	0.0	7.9	-7.9	
4		ALIPURDUAR-AGRA	-	0	515	0.0	12.3	-12.3	
5	400 kV	PUSAULI B/B	S/C	0	147	0.0	3.6	-3.6	
6		PUSAULI-VARANASI	S/C	0	126	0.0	0.0	0.0	
7		PUSAULI -ALLAHABAD	S/C	0	88	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	851	0.0	15.7	-15.7	
9		PATNA-BALIA	Q/C	0	1008	0.0	19.6	-19.6	
10		BIHARSHARIFF-BALIA	D/C	0	395	0.0	6.9	-6.9	
11		MOTIHARI-GORAKHPUR	D/C	331	1	5.1	0.0	5.1	
12		BIHARSHARIFF-VARANASI	D/C	736	0	0.0	2.2	-2.2	
13		220 kV	PUSAULI-SAHUPURI	S/C	0	196	0.0	4.1	-4.1
14			SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15			GARWAH-RIHAND	S/C	35	0	0.3	0.0	0.3
16		132 kV	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	6.7	80.2	-73.4
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	528	7	7.7	0.0	7.7	
19		NEW RANCHI-DHARAMJAIGARH	D/C	926	0	15.7	0.0	15.7	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	978	0	16.8	0.0	16.8	
21		RANCHI-SIPAT	D/C	439	0	7.6	0.0	7.6	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	78	58	0.1	0.0	0.1	
23		BUDHIPADAR-KORBA	D/C	146	0	2.4	0.0	2.4	
						ER-WR	50.3	0.0	50.3
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	507.9	808.9	0.0	4.2	-4.2	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	414.1	0.0	9.9	-9.9	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1187.3	0.0	20.7	-20.7	
27	400 kV	TALCHER-I/C	D/C	764.5	0.8	0.0	7.9	-7.9	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0	
						ER-SR	0.0	34.8	-34.8
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	26	410	0.0	5.2	-5	
30		ALIPURDUAR-BONGAIGAON	D/C	264	185	0.0	0.0	0	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	108	0.0	1.5	-1	
						ER-NER	0.0	6.7	-6.7
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	700	0.0	15.5	-15.5	
						NER-NR	0.0	15.5	-15.5
Import/Export of WR (With NR)									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	2504	0.0	39.4	-39.4	
34		V'CHAL B/B	D/C	240	152	4.1	0.0	4.1	
35		APL -MHG	D/C	0	1917	0.0	40.0	-40.0	
36		GWALIOR-AGRA	D/C	0	1415	0.0	52.3	-52.3	
37	765 kV	PHAGI-GWALIOR	D/C	0	1643	0.0	32.9	-32.9	
38		JABALPUR-ORAI	D/C	0	675	0.0	29.6	-29.6	
39		GWALIOR-ORAI	S/C	468	0	9.9	0.0	9.9	
40		SATNA-ORAI	S/C	0	1778	0.0	37.9	-37.9	
41		400 kV	ZERDA-KANKROLI	S/C	388	16	3.4	0.0	3.4
42			ZERDA -BHINMAL	S/C	245	55	1.7	0.0	1.7
43	V'CHAL -RIHAND		S/C	940	0	20.6	0.0	20.6	
44	RAPP-SHUJALPUR		D/C	0	409	0	3	-3	
45	220 kV	BADOD-KOTA	S/C	28	49	0.2	0.3	-0.1	
46		BADOD-MORAK	S/C	8	77	0.0	0.9	-0.9	
47		MEHGAON-AURAIYA	S/C	30	43	0.6	3.0	-2.3	
48	132kV	MALANPUR-AURAIYA	S/C	4	58	0.0	0.8	-0.8	
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						WR-NR	40.5	239.8	-199.3
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	606	0.0	9.8	-9.8	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	1992	283	17.5	0.0	17.5	
53		WARDHA-NIZAMABAD	D/C	588	1166	0.0	4.9	-4.9	
54	400 kV	KOLHAPUR-KUDGI	D/C	957	0	15.2	0.0	15.2	
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	32.7	14.7	18.0
TRANSNATIONAL EXCHANGE									
58		BHUTAN						32.7	
59		NEPAL						-6.7	
60		BANGLADESH						-13.6	