



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: 13th 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 12.07.2018.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 12 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 12th July 2018, is available at the NLDC website.

धन्यवाद,

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs: from RLDCs)	57171	42883	37586	20439	2601	160680
Peak Shortage (MW)	1279	0	0	0	188	1467
Energy Met (MU)	1342	985	818	448	50	3643
Hydro Gen (MU)	317	16	69	98	26	527
Wind Gen (MU)	38	129	214	-----	-----	381
Solar Gen (MU)*	15.25	8.07	34.22	0.60	0.02	58
Energy Shortage (MU)	10.5	0.0	0.0	0.0	1.7	12.2
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	59698 00:19	44402 21:17	38565 19:19	21991 20:53	2554 19:16	164672 19:52

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	0.036	0.00	0.03	8.72	8.75	83.58	7.67

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	11362	0	263.5	141.5	-1.0	65	0.0	
	Haryana	10155	0	218.4	160.2	0.6	280	0.0	
	Rajasthan	9782	0	218.2	63.2	1.1	423	0.0	
	Delhi	6573	0	130.9	103.7	-1.4	334	0.3	
	UP	18210	930	391.2	200.5	0.9	292	0.0	
	Uttarakhand	1993	0	41.9	19.0	0.7	220	0.0	
	HP	1363	61	28.9	0.5	4.4	378	0.0	
	J&K	2130	533	42.7	18.3	-1.0	177	10.1	
	Chandigarh	368	0	6.7	6.9	-0.2	31	0.0	
	WR	Chhattisgarh	3515	0	85.3	28.0	-1.8	106	0.0
Gujarat		13586	0	305.0	74.7	5.0	406	0.0	
MP		7130	0	156.7	67.4	0.0	380	0.0	
Maharashtra		17971	0	392.1	94.2	0.6	656	0.0	
Goa		351	0	9.2	8.0	0.6	49	0.0	
DD		328	0	7.4	6.3	1.1	94	0.0	
DNH		761	0	17.7	16.7	1.0	114	0.0	
Essar steel		854	0	11.6	11.6	0.1	271	0.0	
SR		Andhra Pradesh	6524	0	148.6	11.0	0.7	651	0.0
		Telangana	6669	0	140.1	67.0	-0.6	379	0.0
	Karnataka	7981	0	160.3	41.8	-1.5	400	0.0	
	Kerala	3185	0	61.4	34.6	0.8	265	0.0	
	Tamil Nadu	14066	0	299.4	98.0	-1.6	431	0.0	
	Pondy	381	0	8.0	8.2	-0.2	41	0.0	
	ER	Bihar	4752	0	95.7	95.2	-1.8	200	0.0
DVC		3601	0	70.8	-30.7	0.7	220	0.0	
Jharkhand		1071	0	24.1	19.3	-0.5	85	0.0	
Odisha		5283	0	86.5	42.8	2.4	225	0.0	
West Bengal		8349	0	169.1	56.9	3.0	225	0.0	
Sikkim		88	0	1.3	1.4	-0.2	12	0.0	
NER		Arunachal Pradesh	104	1	2.2	2.5	-0.3	23	0.0
	Assam	1724	109	32.2	27.7	-0.2	130	1.5	
	Manipur	172	3	2.4	2.5	-0.1	30	0.0	
	Meghalaya	304	0	5.4	0.4	-0.3	38	0.0	
	Mizoram	62	0	1.2	0.9	-0.2	9	0.0	
	Nagaland	105	1	2.2	1.9	-0.1	12	0.0	
	Tripura	230	14	4.7	4.1	-0.2	26	0.2	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	33.8	-6.7	-13.5
Day peak (MW)	1476.6	-254.4	-594.5

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	321.5	-275.4	15.0	-60.0	-1.2	-0.1
Actual(MU)	323.6	-271.6	-1.1	-39.1	-4.6	7.2
O/D/U/D(MU)	2.1	3.9	-16.1	20.9	-3.4	7.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3723	16191	8462	1155	56	29587
State Sector	6590	17274	11840	6515	50	42269
Total	10313	33465	20302	7670	106	71856

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	605	1039	407	421	8	2481
Hydro	317	21	70	98	26	533
Nuclear	27	30	45	0	0	102
Gas, Naptha & Diesel	32	45	23	0	24	124
RES (Wind, Solar, Biomass & Others)	64	137	283	1	0	484
Total	1045	1271	828	520	59	3724

Share of RES in total generation (%)	6.10	10.74	34.16	0.16	0.07	13.00
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	39.01	14.73	48.11	19.07	45.02	30.05

H. Diversity Factor

All India Demand Diversity Factor	1.015
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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 : 13-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	630	0.0	8.9	-8.9	
2		SASARAM-FATEHPUR	S/C	217	101	1.4	0.0	1.4	
3		GAYA-BALIA	S/C	0	548	0.0	9.7	-9.7	
4		ALIPURDUAR-AGRA	-	0	585	0.0	12.1	-12.1	
5	400 kV	PUSAULI B/B	S/C	0	144	0.0	3.6	-3.6	
6		PUSAULI-VARANASI	S/C	0	137	0.0	0.0	0.0	
7		PUSAULI -ALLAHABAD	S/C	0	92	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	826	0.0	15.2	-15.2	
9		PATNA-BALIA	Q/C	0	1044	0.0	20.2	-20.2	
10		BIHARSHARIFF-BALIA	D/C	0	475	0.0	9.0	-9.0	
11		MOTIHARI-GORAKHPUR	D/C	317	0	5.0	0.0	5.0	
12		BIHARSHARIFF-VARANASI	D/C	837	0	0.0	2.3	-2.3	
13		220 kV	PUSAULI-SAHUPURI	S/C	0	192	0.0	3.9	-3.9
14			SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15	GARWAH-RIHAND		S/C	35	0	0.2	0.0	0.2	
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						6.5	84.8	-78.3	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	618	2	13.3	0.0	13.3	
19		NEW RANCHI-DHARAMJAIGARH	D/C	1004	0	17.4	0.0	17.4	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	1113	0	19.4	0.0	19.4	
21		RANCHI-SIPAT	D/C	464	0	8.6	0.0	8.6	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	30	52	0.0	0.3	-0.3	
23		BUDHIPADAR-KORBA	D/C	128	0	2.3	0.0	2.3	
ER-WR						61.1	0.3	60.8	
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	370.9	928.9	0.0	3.2	-3.2	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	416.8	0.0	9.9	-9.9	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1190.6	0.0	21.5	-21.5	
27	400 kV	TALCHER-I/C	D/C	659.0	0.6	0.0	10.7	-10.7	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	34.6	-34.6	
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	346	0.0	6.0	-6	
30		ALIPURDUAR-BONGAIGAON	D/C	192	144	0.0	0.4	0	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	104	0.0	1.8	-2	
ER-NER						0.0	8.2	-8.2	
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	700	0.0	15.2	-15.2	
NER-NR						0.0	15.2	-15.2	
Import/Export of WR (With NR)									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	2508	0.0	46.1	-46.1	
34		V'CHAL B/B	D/C	240	53	0.8	1.0	-0.2	
35		APL -MHG	D/C	0	4000	0.0	48.4	-48.4	
36		765 kV	GWALIOR-AGRA	D/C	0	1612	0.0	57.1	-57.1
37	PHAGI-GWALIOR		D/C	0	1662	0.0	30.3	-30.3	
38	JABALPUR-ORAI		D/C	0	675	0.0	32.4	-32.4	
39	GWALIOR-ORAI		S/C	702	234	7.9	0.0	7.9	
40	SATNA-ORAI		S/C	0	1801	0.0	35.6	-35.6	
41	400 kV		ZERDA-KANKROLI	S/C	183	86	0.7	0.0	0.7
42			ZERDA -BHINMAL	S/C	136	88	0.0	0.0	0.0
43			V'CHAL -RIHAND	S/C	963	0	21.7	0.0	21.7
44			RAPP-SHUJALPUR	D/C	0	428	0	3	-3
45	220 kV		BADOD-KOTA	S/C	5	52	0.0	1.3	-1.3
46		BADOD-MORAK	S/C	0	92	0.1	0.7	-0.6	
47		MEHGAON-AURAIYA	S/C	18	49	0.0	0.5	-0.4	
48	132kV	MALANPUR-AURAIYA	S/C	0	67	0.0	1.0	-1.0	
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						31.3	257.8	-226.5	
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	617	0.0	14.4	-14.4	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	1865	428	15.9	0.0	15.9	
53		WARDHA-NIZAMABAD	D/C	675	1185	0.0	4.2	-4.2	
54	400 kV	KOLHAPUR-KUDGI	D/C	986	0	12.9	0.0	12.9	
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						28.8	18.6	10.3	
TRANSNATIONAL EXCHANGE									
58		BHUTAN						33.8	
59		NEPAL						-6.7	
60		BANGLADESH						-13.5	