



National Load Despatch Centre
राष्ट्रीय भार प्रेषण केंद्र
POWER SYSTEM OPERATION CORPORATION LIMITED
पाँवर 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: 20th July 2018

To,

1. कार्यकारी निदेशक, पू .क्षे .भा .प्रे .के., 14 , गोल्फ क्लब रोड , कोलकाता - 700033
Executive Director, 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. 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. कार्यकारी निदेशक, ऊ. पू. क्षे. भा. प्रे. के., डोंगतिह, लोअर नोंग्रह , लापलंग, शिलोंग - 793006
Executive Director, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
5. महाप्रबंधक , द .क्षे .भा .प्रे .के., 29 , रेस कोर्स क्रॉस रोड, बंगलुरु -560009
General Manager, SRLDC, 29, Race Course Cross Road, Bangalore-560009

Sub: Daily PSP Report for the date 24.05.2018.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 19-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 19th 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

20-Jul-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs: from RLDCs)	54264	41783	40349	21079	2732	160207
Peak Shortage (MW)	1397	76	0	300	191	1964
Energy Met (MU)	1270	950	915	464	55	3653
Hydro Gen (MU)	333	20	97	105	23	578
Wind Gen (MU)	9	96	237	-----	-----	342
Solar Gen (MU)*	14.38	9.46	44.23	0.87	0.02	69
Energy Shortage (MU)	10.2	1.1	0.0	0.9	1.2	13.3
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	58413 21:18	43790 19:43	41235 07:07	22041 20:27	2768 18:52	164714 19:46

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	0.084	0.64	3.28	19.77	23.68	71.82	4.50

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	10856	0	237.6	135.8	-1.0	88	0.0	
	Haryana	8892	0	187.8	142.7	0.7	354	0.0	
	Rajasthan	7776	0	172.3	61.6	1.3	529	0.0	
	Delhi	6365	0	128.6	102.7	-1.9	127	0.1	
	UP	19139	0	420.8	206.6	-0.1	347	0.0	
	Uttarakhand	2130	0	46.7	25.4	0.2	161	0.0	
	HP	1361	37	28.6	-1.3	4.2	356	0.0	
	J&K	2179	545	42.1	19.5	-2.7	107	10.0	
	Chandigarh	308	0	5.7	6.3	-0.6	13	0.0	
	WR	Chhattisgarh	3538	0	80.2	12.8	-0.6	543	0.0
Gujarat		12369	0	274.4	80.7	7.3	609	0.8	
MP		7598	0	159.6	76.0	-1.4	243	0.0	
Maharashtra		17623	0	390.1	89.3	-3.3	462	0.0	
Goa		486	0	9.6	8.5	0.4	58	0.3	
DD		334	0	7.4	6.4	1.0	98	0.0	
DNH		729	0	17.1	16.6	0.5	93	0.0	
Essar steel		556	0	11.4	11.5	-0.2	292	0.0	
SR		Andhra Pradesh	7803	0	174.4	24.1	2.2	461	0.0
		Telangana	8505	0	175.7	85.9	1.4	402	0.0
	Karnataka	8572	0	170.6	42.3	-0.1	371	0.0	
	Kerala	3023	0	60.5	27.6	0.8	202	0.0	
	Tamil Nadu	14720	0	325.8	104.7	-2.5	415	0.0	
	Pondy	362	0	8.0	7.8	0.2	69	0.0	
	ER	Bihar	5035	0	96.8	94.0	0.5	225	0.3
DVC		3286	0	68.8	-30.8	-0.1	220	0.0	
Jharkhand		1167	0	24.9	18.9	1.4	80	0.0	
Odisha		4449	0	90.6	41.1	2.4	225	0.6	
West Bengal		8979	0	181.6	59.5	4.0	400	0.0	
Sikkim		86	0	1.1	1.3	-0.2	12	0.0	
NER	Arunachal Pradesh	119	2	2.4	2.1	0.3	0	0.0	
	Assam	1758	112	34.7	28.5	2.4	114	0.8	
	Manipur	155	2	2.5	2.4	0.1	10	0.0	
	Meghalaya	325	0	6.2	2.2	0.2	35	0.0	
	Mizoram	90	0	1.6	0.7	0.2	8	0.0	
	Nagaland	114	1	2.2	1.8	0.0	6	0.0	
	Tripura	281	31	5.1	4.2	0.0	1	0.2	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	30.7	-7.3	-13.8
Day peak (MW)	1421.4	-237.0	-604.3

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	300.5	-284.0	25.6	-43.1	1.6	0.5
Actual(MU)	291.1	-298.0	19.8	-15.8	2.0	-0.9
O/D/U/D(MU)	-9.4	-14.0	-5.8	27.3	0.4	-1.5

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4189	14984	9762	1380	77	30392
State Sector	8315	18255	11540	5705	50	43865
Total	12504	33239	21302	7085	127	74256

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	576	1049	421	412	9	2467
Hydro	333	20	98	105	23	579
Nuclear	27	30	44	0	0	101
Gas, Naptha & Diesel	27	47	25	0	24	123
RES (Wind, Solar, Biomass & Others)	35	106	315	1	0	457
Total	998	1252	904	518	56	3727

Share of RES in total generation (%)	3.52	8.43	34.83	0.22	0.06	12.25
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	39.66	12.40	50.58	20.42	41.30	30.51

H. Diversity Factor

All India Demand Diversity Factor	1.021
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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 : 20-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	6	446	0.0	6.2	-6.2	
2		SASARAM-FATEHPUR	S/C	252	23	3.1	0.0	3.1	
3		GAYA-BALIA	S/C	0	404	0.0	7.7	-7.7	
4	HVDC	ALIPURDUAR-AGRA	-	0	689	0.0	15.6	-15.6	
5		PUSAULI B/B	S/C	2	147	0.0	3.3	-3.3	
6	400 kV	PUSAULI-VARANASI	S/C	0	150	0.0	0.0	0.0	
7		PUSAULI -ALLAHABAD	S/C	63	50	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	699	0.0	12.1	-12.1	
9		PATNA-BALIA	Q/C	0	920	0.0	17.3	-17.3	
10		BIHARSHARIFF-BALIA	D/C	0	342	0.0	5.8	-5.8	
11		MOTIHARI-GORAKHPUR	D/C	312	1	5.3	0.0	5.3	
12		BIHARSHARIFF-VARANASI	D/C	708	0	0.0	0.4	-0.4	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	188	0.0	3.6	-3.6	
14	132 kV	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		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						8.7	72.0	-63.2	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	809	0	21.3	0.0	21.3	
19		NEW RANCHI-DHARAMJAIGARH	D/C	1129	0	21.1	0.0	21.1	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	1304	0	23.8	0.0	23.8	
21		RANCHI-SIPAT	D/C	518	0	11.0	0.0	11.0	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	173	0	2.7	0.0	2.7	
23		BUDHIPADAR-KORBA	D/C	208	0	4.2	0.0	4.2	
ER-WR						84.1	0.0	84.1	
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	169.0	1467.8	0.0	8.0	-8.0	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	431.8	0.0	9.8	-9.8	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1582.9	0.0	24.1	-24.1	
27	400 kV	TALCHER-I/C	D/C	978.0	0.6	0.0	15.9	-15.9	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	41.9	-41.9	
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	493	0.0	9.0	-9	
30		ALIPURDUAR-BONGAIGAON	D/C	94	299	0.0	2.4	-2	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	126	0.0	2.3	-2	
ER-NER						0.0	13.7	-13.7	
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	701	0.0	13.6	-13.6	
NER-NR						0.0	13.6	-13.6	
Import/Export of WR (With NR)									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	2202	0.0	44.7	-44.7	
34		V'CHAL B/B	D/C	240	0	4.3	0.0	4.3	
35		APL -MHG	D/C	0	1896	0.0	38.6	-38.6	
36	765 kV	GWALIOR-AGRA	D/C	0	1494	0.0	58.9	-58.9	
37		PHAGI-GWALIOR	D/C	0	1559	0.0	29.5	-29.5	
38		JABALPUR-ORAI	D/C	0	675	0.0	29.9	-29.9	
39		GWALIOR-ORAI	S/C	428	0	8.6	0.0	8.6	
40		SATNA-ORAI	S/C	0	1812	0.0	39.5	-39.5	
41		400 kV	ZERDA-KANKROLI	S/C	192	152	0.0	0.1	-0.1
42			ZERDA -BHINMAL	S/C	178	177	0.0	0.5	-0.5
43	V'CHAL -RIHAND		S/C	974	0	22.1	0.0	22.1	
44	RAPP-SHUJALPUR		D/C	0	377	0	3	-3	
45	220 kV	BADOD-KOTA	S/C	18	53	0.2	0.7	-0.5	
46		BADOD-MORAK	S/C	0	60	0.0	1.1	-1.1	
47		MEHGAON-AURAIYA	S/C	3	56	0.0	0.7	-0.7	
48	132kV	MALANPUR-AURAIYA	S/C	0	72	0.0	1.2	-1.2	
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						35.2	248.5	-213.3	
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	483	403	3.4	6.7	-3.3	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	1379	1318	7.5	0.0	7.5	
53		WARDHA-NIZAMABAD	D/C	167	2385	0.0	18.6	-18.6	
54	400 kV	KOLHAPUR-KUDGI	D/C	842	0	13.6	0.0	13.6	
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						24.4	25.2	-0.8	
TRANSNATIONAL EXCHANGE									
58		BHUTAN						30.7	
59		NEPAL						-7.3	
60		BANGLADESH						-13.8	