



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: 16th 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 15.07.2018.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 15 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 15th 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)	52981	39630	34925	19175	2597	149308
Peak Shortage (MW)	1090	0	0	0	102	1192
Energy Met (MU)	1230	928	777	440	50	3425
Hydro Gen (MU)	319	17	66	95	25	523
Wind Gen (MU)	21	99	218	-----	-----	337
Solar Gen (MU)*	14.02	9.9	32.89	0.58	0.02	57
Energy Shortage (MU)	12.3	0.0	0.0	0.0	1.4	13.7
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	57134 22:58	41933 11:15	35978 20:37	21260 20:50	2556 19:52	157307 21:14

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	0.024	0.00	0.00	4.46	4.46	86.01	9.54

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	10878	0	246.8	140.1	-0.1	61	0.0	
	Haryana	8782	0	190.0	153.3	1.7	372	0.0	
	Rajasthan	8405	0	185.2	61.0	1.2	603	0.0	
	Delhi	5760	0	109.5	88.8	-2.4	93	0.0	
	UP	18084	0	382.3	184.0	2.2	435	2.2	
	Uttarakhand	1915	0	41.5	20.3	0.8	123	0.0	
	HP	1257	0	26.5	-0.9	4.2	324	0.0	
	J&K	2334	584	42.4	19.9	-3.0	226	10.1	
	Chandigarh	282	0	5.3	5.8	-0.5	33	0.0	
	WR	Chhattisgarh	3337	0	77.8	16.1	-2.1	466	0.0
Gujarat		12035	0	269.8	82.0	1.3	634	0.0	
MP		7568	0	164.0	84.6	0.5	570	0.0	
Maharashtra		16608	0	373.0	102.0	-2.1	532	0.0	
Goa		351	0	8.8	7.7	0.5	84	0.0	
DD		300	0	6.8	5.7	1.1	93	0.0	
DNH		745	0	17.3	16.4	0.9	86	0.0	
Essar steel		541	0	10.9	11.2	-0.3	284	0.0	
SR		Andhra Pradesh	6430	0	147.5	5.2	0.6	482	0.0
		Telangana	6777	0	145.4	70.1	0.6	308	0.0
	Karnataka	7226	0	145.8	31.1	-6.8	427	0.0	
	Kerala	2643	0	49.6	25.6	0.7	222	0.0	
	Tamil Nadu	12743	0	281.4	110.8	-0.9	444	0.0	
	Pondy	340	0	7.3	7.5	-0.2	26	0.0	
	ER	Bihar	5042	0	99.3	96.9	-0.7	40	0.0
DVC		3332	0	69.5	-25.3	-0.5	320	0.0	
Jharkhand		1089	0	23.7	18.1	0.0	80	0.0	
Odisha		3873	0	75.9	34.3	3.1	270	0.0	
West Bengal		8221	0	170.6	50.3	5.4	331	0.0	
Sikkim		69	0	1.3	1.4	-0.1	0	0.0	
NER	Arunachal Pradesh	97	1	2.1	2.3	-0.2	2	0.0	
	Assam	1698	65	31.0	25.3	0.7	116	1.1	
	Manipur	166	2	2.4	2.5	-0.1	34	0.0	
	Meghalaya	304	0	5.8	0.4	0.1	34	0.0	
	Mizoram	68	2	1.4	0.8	0.0	27	0.0	
	Nagaland	99	1	2.1	1.8	-0.1	3	0.0	
	Tripura	236	12	4.7	4.1	0.1	5	0.1	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	33.6	-7.5	-13.3
Day peak (MW)	1471.4	-431.3	-592.9

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	297.4	-223.4	-9.1	-61.9	-3.3	-0.4
Actual(MU)	294.0	-220.9	-20.1	-51.0	-4.4	-2.4
O/D/U/D(MU)	-3.4	2.5	-10.9	10.9	-1.1	-2.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4354	15427	8052	1155	81	29069
State Sector	7575	19386	12520	5625	50	45156
Total	11929	34813	20572	6780	131	74224

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	540	973	388	411	8	2320
Hydro	319	17	68	95	25	525
Nuclear	27	30	46	0	0	103
Gas, Naptha & Diesel	23	36	23	0	24	106
RES (Wind, Solar, Biomass & Others)	45	109	284	1	0	438
Total	955	1165	807	508	58	3492

Share of RES in total generation (%)	4.76	9.32	35.12	0.17	0.07	12.56
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	41.04	13.34	49.14	18.96	44.02	30.52

H. Diversity Factor

All India Demand Diversity Factor	1.010
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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 : 16-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	696	0.0	10.5	-10.5	
2		SASARAM-FATEHPUR	S/C	134	91	0.4	0.0	0.4	
3		GAYA-BALIA	S/C	0	537	0.0	8.3	-8.3	
4	HVDC	ALIPURDUAR-AGRA	-	0	685	0.0	13.2	-13.2	
5		PUSAULI B/B	S/C	0	147	0.0	3.5	-3.5	
6	400 kV	PUSAULI-VARANASI	S/C	0	127	0.0	0.0	0.0	
7		PUSAULI -ALLAHABAD	S/C	0	78	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	919	0.0	16.1	-16.1	
9		PATNA-BALIA	Q/C	0	978	0.0	19.4	-19.4	
10		BIHARSHARIFF-BALIA	D/C	0	412	0.0	7.1	-7.1	
11		MOTIHARI-GORAKHPUR	D/C	298	0	5.1	0.0	5.1	
12		BIHARSHARIFF-VARANASI	D/C	917	0	0.0	3.3	-3.3	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	193	0.0	3.9	-3.9	
14	132 kV	SONE NAGAR-RIHAND	S/C	0	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	5.9	85.2	-79.3
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	515	0	7.3	0.0	7.3	
19		NEW RANCHI-DHARAMJAIGARH	D/C	911	0	16.8	0.0	16.8	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	1106	0	19.1	0.0	19.1	
21		RANCHI-SIPAT	D/C	452	0	7.7	0.0	7.7	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	142	9	1.8	0.0	1.8	
23		BUDHIPADAR-KORBA	D/C	174	0	3.3	0.0	3.3	
						ER-WR	55.9	0.0	55.9
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	459.9	993.9	0.0	4.7	-4.7	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	414.1	0.0	9.8	-9.8	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1583.1	0.0	26.7	-26.7	
27	400 kV	TALCHER-I/C	D/C	666.5	0.5	0.0	11.5	-11.5	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0	
						ER-SR	0.0	41.2	-41.2
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	402	0.0	6.4	-6	
30		ALIPURDUAR-BONGAIGAON	D/C	151	157	0.0	0.8	-1	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	99	0.0	1.6	-2	
						ER-NER	0.0	8.8	-8.8
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	704	0.0	15.3	-15.3	
						NER-NR	0.0	15.3	-15.3
Import/Export of WR (With NR)									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	2005	0.0	34.3	-34.3	
34		V'CHAL B/B	D/C	0	103	0.0	0.0	0.0	
35		APL -MHG	D/C	0	1426	0.0	24.7	-24.7	
36	765 kV	GWALIOR-AGRA	D/C	0	1390	0.0	55.0	-55.0	
37		PHAGI-GWALIOR	D/C	0	1705	0.0	33.7	-33.7	
38		JABALPUR-ORAI	D/C	0	675	0.0	33.4	-33.4	
39		GWALIOR-ORAI	S/C	450	0	9.8	0.0	9.8	
40		SATNA-ORAI	S/C	0	1683	0.0	36.7	-36.7	
41	400 kV	ZERDA-KANKROLI	S/C	164	211	0.0	1.3	-1.3	
42		ZERDA -BHINMAL	S/C	164	220	0.0	0.9	-0.9	
43		V'CHAL -RIHAND	S/C	940	0	19.9	0.0	19.9	
44		RAPP-SHUJALPUR	D/C	0	480	0	3	-3	
45	220 kV	BADOD-KOTA	S/C	8	56	0.1	0.5	-0.3	
46		BADOD-MORAK	S/C	15	52	0.0	1.2	-1.2	
47		MEHGAON-AURAIYA	S/C	17	32	0.0	0.3	-0.3	
48	132kV	MALANPUR-AURAIYA	S/C	0	55	0.0	0.9	-0.9	
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						WR-NR	29.8	226.2	-196.4
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	483	603	0.0	0.0	0.0	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	2381	270	23.6	0.0	23.6	
53		WARDHA-NIZAMABAD	D/C	694	1507	0.0	8.2	-8.2	
54	400 kV	KOLHAPUR-KUDGI	D/C	1034	0	16.1	0.0	16.1	
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	39.7	8.2	31.5
TRANSNATIONAL EXCHANGE									
58		BHUTAN						33.6	
59		NEPAL						-7.5	
60		BANGLADESH						-13.3	