



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: 12th July 2018

To,

1. महाप्रबंधक, पू.क्षे.भा.प्रे.के., 14, गोल्फ क्लब रोड, कोलकाता - 700033
General Manager, ERLDC, 14 Golf Club Road, Tollygunge, 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 11.07.2018.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 11 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 11th 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)	57383	43309	36923	20645	2661	160921
Peak Shortage (MW)	1264	0	0	0	153	1417
Energy Met (MU)	1386	1000	836	445	53	3720
Hydro Gen (MU)	328	14	52	98	27	518
Wind Gen (MU)	44	131	230	-----	-----	405
Solar Gen (MU)*	17.45	9.56	29.87	0.64	0.02	58
Energy Shortage (MU)	10.7	0.0	0.0	0.0	1.2	11.9
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	62394 00:21	44209 11:11	39083 07:34	22052 20:01	2677 19:29	164172 19:57

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	0.033	0.00	0.00	6.01	6.01	79.71	14.28

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	11617	0	262.2	143.7	-0.5	160	0.0	
	Haryana	10163	0	221.5	162.5	0.4	251	0.0	
	Rajasthan	10344	0	229.0	66.2	-0.4	353	0.0	
	Delhi	6503	0	135.5	106.6	-1.7	144	0.1	
	UP	19110	300	424.0	224.6	0.8	278	0.0	
	Uttarakhand	2067	0	44.5	18.9	1.2	169	0.2	
	HP	1269	61	24.5	-1.6	1.7	312	1.3	
	J&K	2033	508	38.2	17.9	-5.2	165	9.1	
	Chandigarh	348	0	6.8	7.1	-0.3	27	0.0	
	WR	Chhattisgarh	3587	0	84.4	28.9	-2.7	364	0.0
Gujarat		13838	0	310.7	87.1	3.8	472	0.0	
MP		7383	0	166.0	72.2	-1.2	323	0.0	
Maharashtra		17926	0	392.8	85.8	-4.3	455	0.0	
Goa		351	0	9.2	8.9	-0.3	36	0.0	
DD		336	0	7.4	6.3	1.1	96	0.0	
DNH		763	0	17.8	16.8	1.0	80	0.0	
Essar steel		565	0	11.8	10.9	0.9	301	0.0	
SR		Andhra Pradesh	6647	0	154.1	10.8	0.8	454	0.0
		Telangana	7187	0	160.4	79.2	-0.1	425	0.0
	Karnataka	8070	0	163.9	33.2	-3.2	353	0.0	
	Kerala	3000	0	49.7	37.1	0.8	259	0.0	
	Tamil Nadu	14004	0	300.1	104.3	-1.1	496	0.0	
	Pondy	367	0	8.0	8.1	-0.1	39	0.0	
	ER	Bihar	4970	0	97.2	93.2	1.6	225	0.0
		DVC	3435	0	70.1	-24.0	-0.5	190	0.0
		Jharkhand	1094	0	24.6	19.5	-0.4	85	0.0
		Odisha	4441	0	82.1	38.1	2.4	300	0.0
West Bengal		8309	0	169.3	54.7	2.9	250	0.0	
NER	Sikkim	87	0	1.3	1.3	0.0	12	0.0	
	Arunachal Pradesh	123	3	2.4	2.5	-0.1	23	0.0	
	Assam	1765	76	33.8	27.6	1.3	130	0.9	
	Manipur	161	4	2.5	2.6	0.0	30	0.0	
	Meghalaya	289	0	5.3	0.3	-0.1	38	0.0	
	Mizoram	82	2	1.4	0.9	0.0	9	0.0	
	Nagaland	120	2	2.2	2.0	-0.1	12	0.0	
	Tripura	231	27	4.9	4.1	0.1	26	0.2	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	33.7	-6.9	-14.5
Day peak (MW)	1454.7	-294.2	-654.2

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	331.8	-279.4	10.3	-59.9	-1.9	0.8
Actual(MU)	328.5	-286.2	-7.3	-35.7	-3.2	-3.9
O/D/U/D(MU)	-3.2	-6.8	-17.6	24.2	-1.3	-4.7

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3831	15301	9262	1155	56	29605
State Sector	7400	16938	10740	6015	50	41143
Total	11231	32239	20002	7170	106	70748

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	617	1071	456	419	9	2572
Hydro	328	14	53	98	27	519
Nuclear	27	30	45	0	0	102
Gas, Naptha & Diesel	38	45	21	0	23	127
RES (Wind, Solar, Biomass & Others)	72	140	300	1	0	514
Total	1082	1300	875	518	60	3834

Share of RES in total generation (%)	6.68	10.79	34.30	0.19	0.06	13.40
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	39.47	14.18	45.51	19.06	45.41	29.61

H. Diversity Factor

All India Demand Diversity Factor	1.038
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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 : 12-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	445	0.0	7.6	-7.6	
2		SASARAM-FATEHPUR	S/C	216	17	2.7	0.0	2.7	
3		GAYA-BALIA	S/C	0	602	0.0	3.7	-3.7	
4	HVDC	ALIPURDUAR-AGRA	-	0	589	0.0	14.2	-14.2	
5		PUSAULI B/B	S/C	0	146	0.0	3.6	-3.6	
6	400 kV	PUSAULI-VARANASI	S/C	0	152	0.0	0.0	0.0	
7		PUSAULI -ALLAHABAD	S/C	0	55	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	810	0.0	16.1	-16.1	
9		PATNA-BALIA	Q/C	0	1161	0.0	22.9	-22.9	
10		BIHARSHARIFF-BALIA	D/C	0	583	0.0	10.7	-10.7	
11		MOTIHARI-GORAKHPUR	D/C	331	0	5.4	0.0	5.4	
12		BIHARSHARIFF-VARANASI	D/C	729	0	0.0	1.3	-1.3	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	203	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						8.5	84.4	-75.9	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	758	1	13.1	0.0	13.1	
19		NEW RANCHI-DHARAMJAIGARH	D/C	1013	0	21.3	0.0	21.3	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	1183	0	19.0	0.0	19.0	
21		RANCHI-SIPAT	D/C	479	0	7.5	0.0	7.5	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	43	48	0.0	0.1	-0.1	
23		BUDHIPADAR-KORBA	D/C	124	0	2.4	0.0	2.4	
ER-WR						63.3	0.1	63.3	
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	462.3	1036.8	0.0	6.2	-6.2	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	412.7	0.0	9.9	-9.9	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1190.6	0.0	18.2	-18.2	
27	400 kV	TALCHER-I/C	D/C	842.2	0.0	0.0	13.9	-13.9	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	34.3	-34.3	
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	443	0.0	7.8	-8	
30		ALIPURDUAR-BONGAIGAON	D/C	109	219	0.0	1.6	-2	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	116	0.0	2.0	-2	
ER-NER						0.0	11.4	-11.4	
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	901	0.0	16.9	-16.9	
NER-NR						0.0	16.9	-16.9	
Import/Export of WR (With NR)									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	445	1780	0.0	13.4	-13.4	
34		V'CHAL B/B	D/C	0	251	0.0	3.3	-3.3	
35		APL -MHG	D/C	0	1916	0.0	44.1	-44.1	
36		GWALIOR-AGRA	D/C	0	1540	0.0	59.5	-59.5	
37	765 kV	PHAGI-GWALIOR	D/C	0	1526	0.0	29.3	-29.3	
38		JABALPUR-ORAI	D/C	0	547	0.0	0.0	-32	
39		GWALIOR-ORAI	S/C	429	0	8.8	0.0	8.8	
40		SATNA-ORAI	S/C	0	1749	0.0	38.1	-38.1	
41		400 kV	ZERDA-KANKROLI	S/C	288	95	1.4	0.0	1.4
42			ZERDA -BHINMAL	S/C	240	103	1.0	0.0	1.0
43	V'CHAL -RIHAND		S/C	964	0	22.5	0.0	22.5	
44	RAPP-SHUJALPUR		D/C	0	549	0	32	-32	
45	220 kV	BADOD-KOTA	S/C	27	57	0.1	0.7	-0.6	
46		BADOD-MORAK	S/C	0	107	0.0	1.4	-1.4	
47		MEHGAON-AURAIYA	S/C	26	52	0.0	0.4	-0.4	
48	132kV	MALANPUR-AURAIYA	S/C	0	68	0.0	1.1	-1.1	
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						33.9	223.5	-221.6	
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	603	0.0	6.6	-6.6	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	1691	943	12.7	0.0	12.7	
53		WARDHA-NIZAMABAD	D/C	0	2508	0.0	52.1	-52.1	
54	400 kV	KOLHAPUR-KUDGI	D/C	913	0	12.5	0.0	12.5	
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						25.2	58.7	-33.5	
TRANSNATIONAL EXCHANGE									
58		BHUTAN						33.7	
59		NEPAL						-6.9	
60		BANGLADESH						-14.5	