



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 सराये, न्यू दिल्ली-110016

Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 31st July 2018

To,

- कार्यकारी निदेशक, पू .क्षे .भा .प्रे .के.,14 , गोल्फ क्लब रोड , कोलकाता - 700033
Executive Director, ERLDC, 14 Golf Club Road, Tolleygunge, Kolkata, 700033
- 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
- 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
- कार्यकारी निदेशक, ऊ. पू. क्षे. भा. प्रे. के., डोंगतिह, लोअर नॉग्रह , लापालंग, शिलॉंग - 793006
Executive Director, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
- 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 30.07.2018.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 30-जुलाई-2018 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रांभांप्रेके 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 30th 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)	50430	45130	44094	19759	2621	162033
Peak Shortage (MW)	540	327	0	150	117	1134
Energy Met (MU)	1105	1041	992	419	50	3606
Hydro Gen (MU)	349	25	122	100	25	621
Wind Gen (MU)	29	114	190	-----	-----	333
Solar Gen (MU)*	16.28	15.1	50.19	0.42	0.02	82
Energy Shortage (MU)	9.9	1.6	0.0	0.5	1.4	13.3
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	53312 21:47	47067 11:48	45156 19:40	20674 20:35	2620 19:36	167173 20:03

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	0.050	0.00	2.85	9.38	12.22	81.30	6.48

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	10109	0	223.4	138.1	0.3	129	0.0	
	Haryana	8702	0	172.4	147.8	0.6	227	0.3	
	Rajasthan	9623	0	206.7	76.5	2.2	391	0.0	
	Delhi	5597	3	108.6	99.0	-0.9	166	0.5	
	UP	15046	170	287.1	157.7	-0.6	350	0.0	
	Uttarakhand	1893	0	39.1	24.5	-0.2	196	0.0	
	HP	1248	0	23.7	-3.8	3.2	276	0.0	
	J&K	1982	496	37.9	19.3	-7.0	0	9.0	
	Chandigarh	291	0	5.8	6.2	-0.4	8	0.0	
	WR	Chhattisgarh	3739	0	87.3	16.9	2.3	430	1.6
Gujarat		13879	0	309.7	70.9	3.5	583	0.0	
MP		7926	0	168.5	88.6	-3.8	436	0.0	
Maharashtra		19670	0	432.1	125.6	0.4	537	0.0	
Goa		444	0	9.4	8.6	0.1	141	0.0	
DD		331	0	7.1	6.2	0.9	87	0.0	
DNH		677	0	15.7	15.3	0.4	61	0.0	
Essar steel		549	0	10.8	11.3	-0.5	246	0.0	
SR		Andhra Pradesh	8525	0	185.7	25.3	1.7	738	0.0
		Telangana	10077	0	218.9	110.1	0.3	526	0.0
	Karnataka	9158	0	190.2	59.9	4.0	603	0.0	
	Kerala	3247	0	64.9	24.9	-0.4	215	0.0	
	Tamil Nadu	15061	0	324.4	100.3	-1.6	434	0.0	
	Pondy	369	0	7.9	8.0	-0.2	25	0.0	
ER	Bihar	4521	0	78.9	77.9	0.5	345	0.0	
	DVC	3040	0	68.2	-47.0	0.4	302	0.0	
	Jharkhand	1051	0	23.4	20.0	-0.7	145	0.0	
	Odisha	4419	0	87.1	46.5	2.8	365	0.5	
	West Bengal	8145	0	159.6	47.4	2.4	398	0.0	
Sikkim	91	0	1.5	1.3	0.1	20	0.0		
NER	Arunachal Pradesh	114	4	2.2	2.4	-0.2	64	0.0	
	Assam	1632	75	31.3	24.9	1.8	177	1.2	
	Manipur	167	4	2.3	2.2	0.1	39	0.0	
	Meghalaya	336	0	5.6	1.2	-0.2	79	0.0	
	Mizoram	84	3	1.6	1.0	0.1	11	0.0	
	Nagaland	129	6	2.3	1.8	0.1	43	0.1	
	Tripura	265	3	4.4	5.6	0.3	91	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	33.1	-4.7	-14.9
Day peak (MW)	1674.0	-379.8	-659.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	275.7	-232.2	48.9	-91.1	-1.7	-0.4
Actual(MU)	258.9	-225.5	51.6	-81.1	-1.0	2.9
O/D/U/D(MU)	-16.8	6.7	2.7	10.0	0.7	3.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4947	16170	8472	1860	429	31878
State Sector	13170	17833	8740	5735	50	45528
Total	18117	34003	17212	7595	479	77406

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	431	1058	467	422	5	2383
Hydro	349	26	124	100	24	623
Nuclear	27	30	62	0	0	119
Gas, Naptha & Diesel	10	44	25	0	25	105
RES (Wind, Solar, Biomass & Others)	56	129	278	1	0	464
Total	875	1287	954	522	55	3693

Share of RES in total generation (%)	6.43	10.05	29.08	0.12	0.06	12.56
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	49.52	14.36	48.52	19.18	44.78	32.65

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 : 31-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	654	0.0	10.2	-10.2	
2		SASARAM-FATEHPUR	S/C	184	201	0.0	1.0	-1.0	
3		GAYA-BALIA	S/C	0	401	0.0	7.4	-7.4	
4		ALIPURDUAR-AGRA	-	0	397	0.0	10.3	-10.3	
5	400 kV	PUSAULI B/B	S/C	0	147	0.0	3.7	-3.7	
6		PUSAULI-VARANASI	S/C	0	104	0.0	0.0	0.0	
7		PUSAULI -ALLAHABAD	S/C	0	123	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	860	0.0	17.1	-17.1	
9		PATNA-BALIA	Q/C	0	1066	0.0	18.1	-18.1	
10		BIHARSHARIFF-BALIA	D/C	0	428	0.0	8.2	-8.2	
11		MOTIHARI-GORAKHPUR	D/C	280	14	4.0	0.0	4.0	
12		BIHARSHARIFF-VARANASI	D/C	912	0	0.0	5.1	-5.1	
13		220 kV	PUSAULI-SAHUPURI	S/C	0	131	0.0	2.9	-2.9
14			SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15	GARWAH-RIHAND		S/C	35	0	0.6	0.0	0.6	
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						4.5	83.9	-79.4	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1014	1	17.3	0.0	17.3	
19		NEW RANCHI-DHARAMJAIGARH	D/C	587	208	5.2	0.0	5.2	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	901	0	12.5	0.0	12.5	
21		RANCHI-SIPAT	D/C	334	14	5.9	0.0	5.9	
22		BUDHIPADAR-RAIGARH	S/C	111	60	0.0	0.2	-0.2	
23	220 kV	BUDHIPADAR-KORBA	D/C	168	0	3.1	0.0	3.1	
ER-WR						44.0	0.2	43.8	
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1260.8	0.0	17.3	-17.3	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	418.2	0.0	9.8	-9.8	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2364.9	0.0	41.3	-41.3	
27	400 kV	TALCHER-I/C	D/C	857.8	0.8	0.0	13.8	-13.8	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	68.5	-68.5	
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	505	0.0	6.8	-7	
30		ALIPURDUAR-BONGAIGAON	D/C	91	249	0.0	2.2	-2	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	159	0.0	3.5	-4	
ER-NER						0.0	12.5	-12.5	
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	600	0.0	14.5	-14.5	
NER-NR						0.0	14.5	-14.5	
Import/Export of WR (With NR)									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1904	0.0	19.0	-19.0	
34		V'CHAL B/B	D/C	241	0	6.0	0.0	6.0	
35		APL -MHG	D/C	0	1170	0.0	20.0	-20.0	
36		GWALIOR-AGRA	D/C	0	1445	0.0	51.7	-51.7	
37	765 kV	PHAGI-GWALIOR	D/C	0	1695	0.0	32.5	-32.5	
38		JABALPUR-ORAI	D/C	0	748	0.0	25.8	-25.8	
39		GWALIOR-ORAI	S/C	458	0	9.7	0.0	9.7	
40		SATNA-ORAI	S/C	0	1905	0.0	39.8	-39.8	
41		400 kV	ZERDA-KANKROLI	S/C	95	255	0.0	1.3	-1.3
42			ZERDA -BHINMAL	S/C	53	239	0.0	1.8	-1.8
43	V'CHAL -RIHAND		S/C	965	0	20.0	0.0	20.0	
44	RAPP-SHUJALPUR		D/C	0	403	0	3	-3	
45	220 kV	BADOD-KOTA	S/C	0	58	0.0	1.2	-1.2	
46		BADOD-MORAK	S/C	0	100	0.0	1.9	-1.9	
47		MEHGAON-AURAIYA	S/C	33	20	0.2	0.1	0.1	
48	132kV	MALANPUR-AURAIYA	S/C	27	36	0.1	0.3	-0.3	
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						36.0	198.6	-162.7	
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	1006	0.0	12.9	-12.9	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	1132	644	6.9	0.0	6.9	
53		WARDHA-NIZAMABAD	D/C	0	1777	0.0	24.6	-24.6	
54	400 kV	KOLHAPUR-KUDGI	D/C	675	0	8.9	0.0	8.9	
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						15.8	37.5	-21.7	
TRANSNATIONAL EXCHANGE									
58		BHUTAN						33.1	
59		NEPAL						-4.7	
60		BANGLADESH						-14.9	