



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: 28th 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., डोंगतेह, लोअर नोंग्रह , लापलंग, शिलोंग - 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 28.07.2018.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स-5.5.1 के प्रावधान के अनुसार, दिनांक 28-जुलाई-2018 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट राभाप्रेके 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 28th 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

28-Jul-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs: from RLDCs)	45518	42005	41882	19626	2701	151733
Peak Shortage (MW)	1288	0	20	0	167	1475
Energy Met (MU)	1002	950	969	412	52	3385
Hydro Gen (MU)	304	20	120	108	24	577
Wind Gen (MU)	30	167	202	-----	-----	399
Solar Gen (MU)*	12.33	10.45	40.69	0.40	0.02	64
Energy Shortage (MU)	11.0	0.0	0.1	0.0	1.1	12.1
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	47302 20:28	43630 19:45	43416 10:22	20399 20:18	2776 18:53	155368 19:59

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	0.053	0.41	1.25	11.97	13.62	77.74	8.63

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	8873	0	195.9	128.8	-1.4	96	0.0	
	Haryana	6995	0	140.7	126.3	-0.8	290	0.0	
	Rajasthan	8175	0	180.0	56.7	3.0	349	0.0	
	Delhi	4811	0	100.0	85.6	0.0	183	0.0	
	UP	14613	0	280.5	148.5	-2.7	283	0.0	
	Uttarakhand	1679	0	37.8	25.2	-0.9	109	0.0	
	HP	1181	0	23.3	-7.3	7.0	983	1.7	
	J&K	1975	494	39.0	18.0	-4.6	21	9.3	
	Chandigarh	254	0	5.1	6.1	-1.0	0	0.0	
	WR	Chhattisgarh	3549	0	79.8	11.0	-0.1	596	0.0
Gujarat		12468	0	282.5	56.5	3.6	938	0.0	
MP		7297	0	153.4	64.8	-0.1	1267	0.0	
Maharashtra		18137	0	392.7	111.3	0.7	655	0.0	
Goa		444	0	8.9	8.7	-0.4	44	0.0	
DD		315	0	7.0	6.1	0.9	78	0.0	
DNH		684	0	16.0	15.9	0.2	37	0.0	
Essar steel		520	0	10.0	10.8	-0.9	206	0.0	
SR		Andhra Pradesh	8244	0	182.5	28.1	2.1	495	0.0
		Telangana	9497	0	203.9	101.7	0.7	480	0.0
	Karnataka	9128	0	183.0	53.9	1.3	482	0.0	
	Kerala	3224	0	64.0	23.7	0.2	246	0.0	
	Tamil Nadu	14860	0	327.3	96.3	-0.2	482	0.0	
	Pondy	352	0	7.8	7.7	0.1	67	0.1	
ER	Bihar	4785	0	86.8	84.6	1.9	220	0.0	
	DVC	2852	0	66.1	-30.1	-0.1	225	0.0	
	Jharkhand	1144	0	22.3	19.4	-1.3	85	0.0	
	Odisha	4374	0	84.8	42.5	3.2	250	0.0	
	West Bengal	7662	0	150.9	37.9	2.2	250	0.0	
NER	Sikkim	97	0	1.5	1.3	0.2	15	0.0	
	Arunachal Pradesh	117	3	2.2	2.1	0.1	55	0.0	
	Assam	1713	147	33.5	27.5	2.2	178	0.9	
	Manipur	142	9	2.1	2.3	-0.2	20	0.0	
	Meghalaya	303	3	5.7	0.5	-0.2	24	0.0	
	Mizoram	79	2	1.5	0.7	0.2	8	0.0	
	Nagaland	115	2	2.1	1.8	0.0	9	0.0	
	Tripura	261	8	4.5	5.8	-0.1	40	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	32.5	-5.7	-14.8
Day peak (MW)	1542.1	-256.4	-659.9

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	247.3	-227.0	50.1	-68.8	-1.8	-0.3
Actual(MU)	223.6	-227.0	66.1	-60.6	-1.8	0.4
O/D/U/D(MU)	-23.7	0.0	16.1	8.3	0.0	0.7

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	6984	17599	9692	1210	179	35664
State Sector	13585	18491	9160	6125	50	47411
Total	20569	36090	18852	7335	229	83075

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	396	926	443	385	8	2157
Hydro	304	21	122	108	24	579
Nuclear	28	30	57	0	0	114
Gas, Naptha & Diesel	14	36	25	0	25	100
RES (Wind, Solar, Biomass & Others)	55	177	280	1	0	512
Total	795	1191	925	494	57	3462

Share of RES in total generation (%)	6.88	14.91	30.22	0.14	0.07	14.80
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	48.53	19.17	49.49	22.00	42.69	34.81

H. Diversity Factor

All India Demand Diversity Factor	1.014
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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 : 28-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	540	0.0	8.5	-8.5	
2		SASARAM-FATEHPUR	S/C	142	81	0.7	0.0	0.7	
3		GAYA-BALIA	S/C	0	386	0.0	7.1	-7.1	
4		ALIPURDUAR-AGRA	-	0	491	0.0	8.0	-8.0	
5	400 kV	PUSAULI B/B	S/C	0	148	0.0	3.6	-3.6	
6		PUSAULI-VARANASI	S/C	0	138	0.0	0.0	0.0	
7		PUSAULI -ALLAHABAD	S/C	0	70	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	857	0.0	16.2	-16.2	
9		PATNA-BALIA	Q/C	0	953	0.0	18.5	-18.5	
10		BIHARSHARIFF-BALIA	D/C	0	451	0.0	8.3	-8.3	
11		MOTIHARI-GORAKHPUR	D/C	290	40	4.6	0.0	4.6	
12		BIHARSHARIFF-VARANASI	D/C	927	0	0.0	4.2	-4.2	
13		220 kV	PUSAULI-SAHUPURI	S/C	0	149	0.0	3.2	-3.2
14			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		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	5.8	77.6	-71.8
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1043	0	29.7	0.0	29.7	
19		NEW RANCHI-DHARAMJAIGARH	D/C	739	0	11.2	0.0	11.2	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	929	0	17.7	0.0	17.7	
21		RANCHI-SIPAT	D/C	361	0	6.6	0.0	6.6	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	187	0	2.8	0.0	2.8	
23		BUDHIPADAR-KORBA	D/C	200	0	3.8	0.0	3.8	
						ER-WR	71.8	0.0	71.8
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1060.8	0.0	12.6	-12.6	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	521.8	0.0	15.4	-15.4	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1974.7	0.0	37.3	-37.3	
27	400 kV	TALCHER-I/C	D/C	783.1	0.8	0.0	11.3	-11.3	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0	
						ER-SR	0.0	65.3	-65.3
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	16	368	0.0	5.6	-6	
30		ALIPURDUAR-BONGAIGAON	D/C	163	243	0.0	2.1	-2	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	114	0.0	1.8	-2	
						ER-NER	0.0	9.5	-9.5
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	601	0.0	13.3	-13.3	
						NER-NR	0.0	13.3	-13.3
Import/Export of WR (With NR)									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	2004	0.0	22.0	-22.0	
34		V'CHAL B/B	D/C	241	0	6.1	0.0	6.1	
35		APL -MHG	D/C	0	1164	0.0	18.3	-18.3	
36		GWALIOR-AGRA	D/C	0	1263	0.0	46.9	-46.9	
37	765 kV	PHAGI-GWALIOR	D/C	0	1428	0.0	26.7	-26.7	
38		JABALPUR-ORAI	D/C	0	640	0.0	18.7	-18.7	
39		GWALIOR-ORAI	S/C	427	0	8.5	0.0	8.5	
40		SATNA-ORAI	S/C	0	1744	0.0	32.2	-32.2	
41		400 kV	ZERDA-KANKROLI	S/C	170	191	0.0	0.7	-0.7
42			ZERDA -BHINMAL	S/C	203	175	0.0	0.5	-0.5
43	V'CHAL -RIHAND		S/C	966	0	18.6	0.0	18.6	
44	RAPP-SHUJALPUR		D/C	59	362	0	2	-2	
45	220 kV	BADOD-KOTA	S/C	9	62	0.0	1.3	-1.3	
46		BADOD-MORAK	S/C	0	60	0.0	1.9	-1.9	
47		MEHGAON-AURAIYA	S/C	30	29	0.1	0.2	-0.1	
48	132kV	MALANPUR-AURAIYA	S/C	16	42	0.0	0.5	-0.4	
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						WR-NR	33.3	172.1	-138.8
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	1012	0.0	12.4	-12.4	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	941	566	5.3	0.0	5.3	
53		WARDHA-NIZAMABAD	D/C	0	1675	0.0	24.1	-24.1	
54	400 kV	KOLHAPUR-KUDGI	D/C	587	0	7.8	0.0	7.8	
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	13.0	36.5	-23.4
TRANSNATIONAL EXCHANGE									
58		BHUTAN						32.5	
59		NEPAL						-5.7	
60		BANGLADESH						-14.8	