



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: 01st 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 31.07.2018.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 31-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 31st 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

1-Aug-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs: from RLDCs)	53183	45769	41611	19801	2637	163001
Peak Shortage (MW)	845	36	0	0	72	953
Energy Met (MU)	1172	1059	992	418	50	3691
Hydro Gen (MU)	356	24	106	79	26	591
Wind Gen (MU)	44	138	207	-----	-----	389
Solar Gen (MU)*	14.76	16.3	45.54	0.50	0.02	77
Energy Shortage (MU)	9.4	0.1	0.0	0.0	1.2	10.7
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	55282 21:34	47873 09:24	45285 07:42	20397 20:28	2638 19:40	167133 19:52

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	0.028	0.00	0.00	5.93	5.93	83.69	10.38

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	10833	0	247.3	146.1	-0.5	86	0.0
	Haryana	8870	0	183.3	145.3	0.7	404	0.0
	Rajasthan	10112	0	213.8	67.1	0.6	398	0.0
	Delhi	5388	0	113.6	100.3	-1.7	181	0.1
	UP	15505	0	300.5	157.0	-0.6	301	0.0
	Uttarakhand	1882	0	39.9	21.9	-0.2	195	0.0
	HP	1365	0	28.7	-1.5	3.1	257	0.0
	J&K	2063	516	38.8	17.9	-4.7	43	9.3
WR	Chandigarh	304	0	6.0	6.8	-0.7	1	0.0
	Chhattisgarh	3879	0	92.1	20.9	-0.6	445	0.1
	Gujarat	13967	0	319.6	73.7	2.3	470	0.0
	MP	7895	0	165.6	72.5	-1.9	425	0.0
	Maharashtra	19850	0	438.0	127.7	1.9	949	0.0
	Goa	444	0	10.0	9.1	0.3	90	0.0
	DD	335	0	7.5	6.3	1.2	93	0.0
	DNH	724	0	16.6	15.7	0.9	93	0.0
SR	Essar steel	564	0	9.7	9.1	0.6	291	0.0
	Andhra Pradesh	8550	0	188.6	23.4	0.7	522	0.0
	Telangana	10429	0	220.2	116.8	0.3	432	0.0
	Karnataka	9241	0	191.6	66.9	2.3	499	0.0
	Kerala	3217	0	62.6	22.7	-0.5	272	0.0
	Tamil Nadu	14250	0	321.6	96.9	-4.1	406	0.0
	Pondy	344	0	7.2	7.8	-0.6	19	0.0
	ER	Bihar	4673	0	82.3	79.6	2.4	0
DVC		2890	0	66.1	-48.0	-1.4	0	0.0
Jharkhand		965	0	22.1	20.1	-0.6	0	0.0
Odisha		4412	0	87.1	43.2	3.2	0	0.0
West Bengal		7861	0	159.5	45.7	3.6	0	0.0
NER	Sikkim	75	0	0.9	0.8	0.1	0	0.0
	Arunachal Pradesh	111	7	2.3	2.3	0.0	64	0.0
	Assam	1645	87	31.6	25.6	1.6	177	1.1
	Manipur	142	29	2.3	2.3	-0.1	39	0.0
	Meghalaya	331	5	5.6	0.9	-0.1	79	0.0
	Mizoram	83	3	1.6	1.0	0.1	11	0.0
	Nagaland	119	16	2.3	1.9	0.1	43	0.0
	Tripura	263	5	4.4	5.7	0.2	91	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	30.7	-4.6	-15.1
Day peak (MW)	1559.3	-365.5	-660.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	265.8	-237.6	55.8	-79.9	-2.0	2.0
Actual(MU)	252.7	-242.5	55.0	-65.0	-1.7	-1.5
O/D/U/D(MU)	-13.1	-4.8	-0.8	15.0	0.3	-3.5

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4947	15140	8472	1860	429	30848
State Sector	12570	18145	8490	5945	50	45200
Total	17517	33285	16962	7805	479	76048

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	476	1066	465	420	5	2432
Hydro	356	24	108	79	25	593
Nuclear	27	29	63	0	0	120
Gas, Naptha & Diesel	16	42	24	0	25	108
RES (Wind, Solar, Biomass & Others)	75	154	290	1	0	519
Total	950	1316	950	500	56	3771

Share of RES in total generation (%)	7.85	11.70	30.51	0.16	0.05	13.76
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	48.22	15.78	48.47	16.05	45.64	32.66

H. Diversity Factor

All India Demand Diversity Factor	1.026
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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 : 1-Aug-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	552	0.0	9.5	-9.5	
2		SASARAM-FATEHPUR	S/C	209	64	1.3	0.0	1.3	
3		GAYA-BALIA	S/C	0	446	0.0	7.1	-7.1	
4		ALIPURDUAR-AGRA	-	0	481	0.0	9.4	-9.4	
5	HVDC	PUSAULI B/B	S/C	0	146	0.0	3.9	-3.9	
6	400 kV	PUSAULI-VARANASI	S/C	0	122	0.0	0.0	0.0	
7		PUSAULI -ALLAHABAD	S/C	0	98	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	715	0.0	13.1	-13.1	
9		PATNA-BALIA	Q/C	0	1023	0.0	20.2	-20.2	
10		BIHARSHARIFF-BALIA	D/C	0	333	0.0	5.4	-5.4	
11		MOTIHARI-GORAKHPUR	D/C	324	14	4.9	0.0	4.9	
12		BIHARSHARIFF-VARANASI	D/C	629	0	0.0	2.5	-2.5	
13		220 kV	PUSAULI-SAHUPURI	S/C	0	134	0.0	2.6	-2.6
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
15		GARWAH-RIHAND	S/C	35	0	0.6	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						6.8	73.8	-66.9	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	997	7	18.4	0.0	18.4	
19		NEW RANCHI-DHARAMJAIGARH	D/C	627	122	6.8	0.0	6.8	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	1012	0	12.5	0.0	12.5	
21		RANCHI-SIPAT	D/C	321	0	4.7	0.0	4.7	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	80	29	0.5	0.0	0.5	
23		BUDHIPADAR-KORBA	D/C	155	0	3.0	0.0	3.0	
ER-WR						45.8	0.0	45.8	
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1181.8	0.0	18.3	-18.3	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	414.1	0.0	9.7	-9.7	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2171.3	0.0	38.2	-38.2	
27	400 kV	TALCHER-I/C	D/C	819.7	0.8	0.0	12.8	-12.8	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	66.2	-66.2	
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	421	0.0	6.9	-7	
30		ALIPURDUAR-BONGAIGAON	D/C	131	239	0.0	1.1	-1	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	121	0.0	2.2	-2	
ER-NER						0.0	10.2	-10.2	
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	600	0.0	14.7	-14.7	
NER-NR						0.0	14.7	-14.7	
Import/Export of WR (With NR)									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	0	0.0	35.6	-35.6	
34		V'CHAL B/B	D/C	0	0	6.0	0.0	6.0	
35		APL -MHG	D/C	0	0	0.0	20.6	-20.6	
36		GWALIOR-AGRA	D/C	0	0	0.0	51.8	-51.8	
37	765 kV	PHAGI-GWALIOR	D/C	0	0	0.0	29.4	-29.4	
38		JABALPUR-ORAI	D/C	0	0	0.0	23.4	-23.4	
39		GWALIOR-ORAI	S/C	0	0	8.4	0.0	8.4	
40		SATNA-ORAI	S/C	0	0	0.0	40.0	-40.0	
41		400 kV	ZERDA-KANKROLI	S/C	0	0	0.0	0.8	-0.8
42			ZERDA -BHINMAL	S/C	0	0	0.0	1.1	-1.1
43	V'CHAL -RIHAND		S/C	0	0	19.1	0.0	19.1	
44	RAPP-SHUJALPUR		D/C	0	0	0	2	-2	
45	220 kV	BADOD-KOTA	S/C	0	0	0.0	1.2	-1.1	
46		BADOD-MORAK	S/C	0	0	0.0	1.9	-1.9	
47		MEHGAON-AURAIYA	S/C	0	0	0.0	0.3	-0.3	
48	132kV	MALANPUR-AURAIYA	S/C	0	0	0.0	0.6	-0.6	
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						33.5	208.1	-174.6	
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	0	0.0	13.7	-13.7	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	0	0	6.0	0.0	6.0	
53		WARDHA-NIZAMABAD	D/C	0	0	0.0	26.3	-26.3	
54	400 kV	KOLHAPUR-KUDGI	D/C	0	0	9.2	0.0	9.2	
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						15.3	40.0	-24.7	
TRANSNATIONAL EXCHANGE									
58		BHUTAN						30.7	
59		NEPAL						-4.6	
60		BANGLADESH						-15.1	