



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: 02nd 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 30.06.2018.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 1 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 1st 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

2-Jul-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs: from RLDCs)	50570	42118	37382	18026	2546	150643
Peak Shortage (MW)	702	41	0	0	105	848
Energy Met (MU)	1167	1009	833	410	47	3467
Hydro Gen (MU)	324	12	59	77	24	496
Wind Gen (MU)	30	74	72	-----	-----	176
Solar Gen (MU)*	12.53	18.24	49.11	0.48	0.02	80
Energy Shortage (MU)	12.2	0.0	0.0	0.0	1.2	13.4
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	54772 21:58	44018 22:54	38038 20:09	19671 21:07	2553 20:04	157446 21:17

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	0.037	0.13	0.63	6.11	6.86	81.74	11.40

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	10004	0	226.0	141.2	-0.5	112	0.0	
	Haryana	8212	93	178.5	148.1	1.0	424	0.6	
	Rajasthan	8184	0	169.0	38.3	2.0	360	2.7	
	Delhi	5759	0	113.2	92.8	-0.8	129	0.0	
	UP	17838	10	373.3	178.6	-0.7	270	0.0	
	Uttarakhand	1870	0	40.4	13.5	-1.2	153	0.0	
	HP	1207	0	24.0	-0.7	3.3	322	0.0	
	J&K	1909	477	37.3	19.6	-7.4	0	8.9	
	Chandigarh	295	0	5.7	6.1	-0.4	17	0.0	
	WR	Chhattisgarh	3596	0	82.1	17.2	0.3	459	0.0
Gujarat		13919	0	314.3	100.3	5.6	733	0.0	
MP		7543	0	161.1	58.3	-2.5	296	0.0	
Maharashtra		18086	0	408.9	120.6	1.3	507	0.0	
Goa		373	0	8.5	7.6	0.4	35	0.0	
DD		301	0	6.7	5.8	0.9	68	0.0	
DNH		729	0	17.1	16.6	0.5	40	0.0	
Essar steel		487	0	10.0	9.7	0.2	188	0.0	
SR		Andhra Pradesh	7034	0	156.6	42.9	2.2	441	0.0
		Telangana	7137	0	155.6	77.3	0.3	430	0.0
	Karnataka	7912	0	169.3	60.8	1.5	547	0.0	
	Kerala	3136	0	60.6	38.7	0.7	379	0.0	
	Tamil Nadu	12884	0	284.3	130.9	0.8	597	0.0	
	Pondy	325	0	7.0	7.4	-0.4	23	0.0	
	ER	Bihar	4475	0	80.8	79.7	-1.5	180	0.0
		DVC	2971	0	68.9	-27.2	0.8	250	0.0
		Jharkhand	1063	0	22.0	16.7	-0.2	90	0.0
		Odisha	3958	0	77.8	39.1	1.5	400	0.0
West Bengal		7952	0	159.2	43.3	4.0	480	0.0	
Sikkim		72	0	0.9	2.1	-1.2	0	0.0	
NER	Arunachal Pradesh	118	3	2.0	2.7	-0.7	0	0.0	
	Assam	1596	102	29.2	24.1	0.5	152	1.1	
	Manipur	161	2	2.3	2.6	-0.3	30	0.0	
	Meghalaya	289	5	5.5	0.7	0.0	38	0.0	
	Mizoram	77	4	1.6	0.7	0.4	35	0.0	
	Nagaland	119	4	2.2	2.0	0.1	20	0.0	
	Tripura	255	1	4.5	4.0	0.1	29	0.1	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	22.8	-3.6	-13.7
Day peak (MW)	1210.3	-369.3	-654.4

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	261.6	-256.2	83.6	-83.5	-0.4	5.1
Actual(MU)	255.0	-252.7	81.0	-78.3	-3.3	1.6
O/D/U/D(MU)	-6.6	3.4	-2.5	5.1	-2.9	-3.5

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5338	14976	10032	715	168	31229
State Sector	8920	16043	9540	5755	50	40308
Total	14258	31019	19572	6470	218	71536

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	503	1096	483	430	9	2520
Hydro	324	12	61	77	24	498
Nuclear	27	27	45	0	0	99
Gas, Naptha & Diesel	28	48	18	0	21	116
RES (Wind, Solar, Biomass & Others)	54	92	156	1	0	303
Total	936	1276	763	508	54	3536

Share of RES in total generation (%)	5.75	7.25	20.46	0.15	0.06	8.57
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	43.32	10.32	34.29	15.23	44.60	25.45

H. Diversity Factor

All India Demand Diversity Factor	1.010
-----------------------------------	-------

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.

सचिव(ऊर्जा)/संयुक्त सचिव(पारंपरिक)/(ओ एम)/निदेशक(ओ एम)/मुख्य अभियंता.के०वि०प्रा०(पि०प्र०)/
अध्यक्ष एवं प्रबंध निदेशक(पोसोको)/सभी राज्यों के मुख्य सचिव/ऊर्जा सचिव

महाप्रबंधक (रा० भा० प्र० कें०)

INTER-REGIONAL EXCHANGES

Date of Reporting : 2-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	544	0.0	7.7	-7.7	
2		SASARAM-FATEHPUR	S/C	209	35	1.9	0.0	1.9	
3		GAYA-BALIA	S/C	0	382	0.0	7.3	-7.3	
4		ALIPURDUAR-AGRA	-	325	153	0.0	5.8	-5.8	
5	HVDC	PUSAULI B/B	S/C	0	378	0.0	9.3	-9.3	
6		PUSAULI-VARANASI	S/C	0	274	0.0	0.0	0.0	
7	400 kV	PUSAULI -ALLAHABAD	S/C	0	172	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	766	0.0	15.0	-15.0	
9		PATNA-BALIA	Q/C	0	1051	0.0	18.9	-18.9	
10		BIHARSHARIFF-BALIA	D/C	0	421	0.0	7.8	-7.8	
11		MOTIHARI-GORAKHPUR	D/C	280	11	3.4	0.0	3.4	
12		BIHARSHARIFF-VARANASI	D/C	715	0	0.0	2.7	-2.7	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	185	0.0	3.7	-3.7	
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.6	0.0	0.6	
15		GARWAH-RIHAND	S/C	35	0	0.3	0.0	0.3	
16		KARMANASA-SAHUPURI	S/C	0	45	0.0	0.0	0.0	
17		KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0	
ER-NR						6.2	78.0	-71.8	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	976	1	13.9	0.0	13.9	
19		NEW RANCHI-DHARAMJAIGARH	D/C	571	2	7.3	0.0	7.3	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	805	0	12.1	0.0	12.1	
21		RANCHI-SIPAT	D/C	296	0	3.2	0.0	3.2	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	70	63	0.0	0.2	-0.2	
23		BUDHIPADAR-KORBA	D/C	143	0	2.5	0.0	2.5	
ER-WR						39.0	0.2	38.8	
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1121.8	0.0	16.7	-16.7	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	521.8	0.0	12.3	-12.3	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1974.7	0.0	32.6	-32.6	
27	400 kV	TALCHER-I/C	D/C	1089.0	0.8	0.9	14.0	-13.1	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	61.5	-61.5	
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	478	0.0	6.0	-6	
30		ALIPURDUAR-BONGAIGAON	D/C	5	410	0.0	3.9	-4	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	138	0.0	2.8	-3	
ER-NER						0.0	12.8	-12.8	
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	700	0.0	16.8	-16.8	
NER-NR						0.0	16.8	-16.8	
Import/Export of WR (With NR)									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1650	0.0	39.1	-39.1	
34		V'CHAL B/B	D/C	0	200	4.8	0.0	4.8	
35		APL -MHG	D/C	0	1714	0.0	29.8	-29.8	
36		GWALIOR-AGRA	D/C	0	2564	0.0	51.3	-51.3	
37	765 kV	PHAGI-GWALIOR	D/C	0	1686	0.0	20.6	-20.6	
38		JABALPUR-ORAI	D/C	0	1211	0.0	22.6	-22.6	
39		GWALIOR-ORAI	S/C	0	1753	7.0	0.0	7.0	
40		SATNA-ORAI	S/C	383	0	0.0	38.5	-38.5	
41		400 kV	ZERDA-KANKROLI	S/C	265	0	3.4	0.0	3.4
42			ZERDA -BHINMAL	S/C	255	0	3.3	0.0	3.3
43	V'CHAL -RIHAND		S/C	957	0	20.2	0.0	20.2	
44	RAPP-SHUJALPUR		D/C	0	414	0	2	-2	
45	220 kV	BADOD-KOTA	S/C	10	77	0.0	0.9	-0.9	
46		BADOD-MORAK	S/C	0	93	0.0	1.4	-1.4	
47		MEHGAON-AURAIYA	S/C	19	22	0.0	0.2	-0.2	
48	132kV	MALANPUR-AURAIYA	S/C	0	42	0.0	0.8	-0.8	
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						38.9	207.7	-168.8	
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	800	0.0	19.1	-19.1	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	287	1848	0.0	16.7	-16.7	
53		WARDHA-NIZAMABAD	D/C	0	1807	0.0	18.5	-18.5	
54	400 kV	KOLHAPUR-KUDGI	D/C	621	0	9.1	0.0	9.1	
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	74	0	1.5	0.0	1.5	
WR-SR						10.6	54.3	-43.7	
TRANSNATIONAL EXCHANGE									
58		BHUTAN						22.8	
59		NEPAL						-3.6	
60		BANGLADESH						-13.7	