



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: 15th June 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 नॉग्रह , लापलंग, शिल्लोंग - 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 14.06.2018.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 14-जून 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 14th June 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)	54289	47788	39581	19805	2304	163766
Peak Shortage (MW)	454	259	0	0	282	996
Energy Met (MU)	1248	1120	880	445	41	3734
Hydro Gen (MU)	301	22	71	86	27	507
Wind Gen (MU)	54	177	168	-----	-----	399
Solar Gen (MU)*	10.22	19.66	52.46	0.79	0.01	83
Energy Shortage (MU)	10.8	0.1	0.0	0.0	3.3	14.3
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	57182 20:59	49833 23:03	39761 19:28	21256 20:52	2414 18:51	167599 21:05

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	0.085	0.16	3.14	21.64	24.94	72.08	2.97

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	8292	0	194.5	104.7	-0.9	227	0.0
	Haryana	8694	0	187.4	132.9	2.0	332	0.1
	Rajasthan	10589	69	219.0	63.2	1.1	391	0.2
	Delhi	6540	0	134.9	110.2	-2.0	196	0.1
	UP	19400	290	389.7	173.0	-1.3	229	0.0
	Uttarakhand	2052	0	44.4	18.3	0.5	167	0.0
	HP	1436	0	27.6	5.0	1.0	110	0.0
WR	J&K	2115	529	43.8	29.9	-3.0	231	10.3
	Chandigarh	369	0	7.2	7.1	0.1	36	0.0
	Chhattisgarh	3498	0	72.1	20.5	-3.8	356	0.1
	Gujarat	16084	0	359.2	123.1	4.4	399	0.0
	MP	8026	0	165.2	43.0	-1.4	235	0.0
	Maharashtra	21212	0	475.6	137.9	0.0	504	0.0
	Goa	499	0	10.8	9.2	0.9	83	0.0
SR	DD	350	0	7.8	6.8	1.1	82	0.0
	DNH	786	0	18.3	17.8	0.5	53	0.0
	Essar steel	511	0	10.7	9.9	0.7	171	0.0
	Andhra Pradesh	7940	0	172.2	41.3	2.6	525	0.0
	Telangana	6819	0	146.7	62.8	1.0	399	0.0
	Karnataka	8015	0	166.2	50.8	0.2	520	0.0
	Kerala	3271	0	64.1	44.3	0.8	284	0.0
ER	Tamil Nadu	14609	0	322.5	114.4	3.1	472	0.0
	Pondy	380	0	8.2	8.4	-0.2	19	0.0
	Bihar	4832	0	83.3	80.5	0.6	135	0.0
	DVC	2933	0	67.3	-27.7	-0.9	250	0.0
	Jharkhand	1163	0	23.4	17.6	-0.1	250	0.0
	Odisha	4651	0	93.9	44.5	1.5	350	0.0
	West Bengal	8523	0	176.3	60.9	4.1	260	0.0
NER	Sikkim	86	0	1.2	1.4	-0.2	10	0.0
	Arunachal Pradesh	106	9	1.7	3.8	-2.0	0	0.1
	Assam	1416	232	24.2	20.4	-2.1	205	3.0
	Manipur	146	8	1.6	2.3	-0.7	14	0.0
	Meghalaya	318	7	5.3	0.7	-0.4	71	0.0
	Mizoram	87	1	1.8	1.3	0.0	4	0.0
	Nagaland	118	7	2.2	2.4	-0.4	34	0.1
Tripura	223	8	3.7	4.1	-0.2	47	0.2	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	16.4	-6.5	-13.4
Day peak (MW)	880.2	-475.8	-669.7

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	251.9	-246.0	27.7	-31.4	-1.0	1.1
Actual(MU)	243.1	-255.9	33.3	-19.8	-10.3	-9.5
O/D/U/D(MU)	-8.8	-9.8	5.7	11.7	-9.3	-10.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3645	13975	8862	1830	405	28717
State Sector	6235	17336	9920	6915	50	40456
Total	9880	31311	18782	8745	454	69172

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	584	1098	471	398	5	2556
Hydro	301	22	73	86	27	508
Nuclear	30	30	46	0	0	106
Gas, Naptha & Diesel	33	48	12	0	23	116
RES (Wind, Solar, Biomass & Others)	79	197	256	1	0	532
Total	1027	1395	858	485	54	3819

Share of RES in total generation (%)	7.65	14.10	29.83	0.26	0.04	13.94
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	39.87	17.80	43.73	17.94	49.21	30.03

H. Diversity Factor

All India Demand Diversity Factor	1.017
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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.

सचिव(ऊर्जा)/संयुक्त सचिव(परिचालन)/(ओ एम)/निदेशक(ओ एम)/मुख्य अभियंता-के०वि०आर०(पि०प्र०)/
अध्यक्ष एवं प्रबंध निदेशक(पॉसेको)/सभी राज्यों के मुख्य सचिव/ऊर्जा सचिव

INTER-REGIONAL EXCHANGES								Date of Reporting :	15-Jun-18
SI No	Voltage Level	Line Details	Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)	
								Import=(+ve) /Export =(-ve) for NET (MU)	
Import/Export of ER (With NR)									
1	765kV	GAYA-VARANASI	D/C	85	214	0.0	3.0	-3.0	
2		SASARAM-FATEHPUR	S/C	313	26	2.4	0.0	2.4	
3		GAYA-BALIA	S/C	0	458	0.0	7.3	-7.3	
4	HVDC	ALIPURDUAR-AGRA	-	0	285	0.0	12.2	-12.2	
5		PUSAULI B/B	S/C	2	248	0.0	6.0	-6.0	
6	400 kV	PUSAULI-VARANASI	S/C	0	229	0.0	0.0	0.0	
7		PUSAULI -ALLAHABAD	S/C	41	112	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	507	0.0	7.7	-7.7	
9		PATNA-BALIA	Q/C	92	536	0.0	5.9	-5.9	
10		BIHARSHARIFF-BALIA	D/C	0	394	0.0	6.3	-6.3	
11		MOTIHARI-GORAKHPUR	D/C	5	134	0.0	1.8	-1.8	
12		BIHARSHARIFF-VARANASI	D/C	771	0	0.1	0.0	0.1	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	213	0.0	4.1	-4.1	
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
15		GARWAH-RIHAND	S/C	35	0	0.2	0.0	0.2	
16		KARMANASA-SAHUPURI	S/C	3	44	0.0	0.0	0.0	
17		KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0	
						ER-NR	2.7	54.3	-51.5
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	918	0	17.4	0.0	17.4	
19		NEW RANCHI-DHARAMJAIGARH	D/C	836	0	12.7	0.0	12.7	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	903	0	16.8	0.0	16.8	
21		RANCHI-SIPAT	D/C	388	0	8.0	0.0	8.0	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	85	36	0.7	0.0	0.7	
23		BUDHIPADAR-KORBA	D/C	133	0	2.3	0.0	2.3	
						ER-WR	57.9	0.0	57.9
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1115.8	0.0	16.7	-16.7	
25	HVDC LINK	JEYPORE-GAZUWAKA B/B	D/C	0.0	523.2	0.0	11.7	-11.7	
26		TALCHER-KOLAR BIPOLE	D/C	0.0	1776.7	0.0	39.6	-39.6	
27	400 kV	TALCHER-I/C	D/C	644.5	0.8	2.4	5.6	-3.2	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0	
						ER-SR	0.0	67.9	-67.9
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	46	393	0.0	3.3	-3	
30		ALIPURDUAR-BONGAIGAON	D/C	286	149	2.4	0.0	2	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	31	111	0.0	0.8	-1	
						ER-NER	2.4	4.1	-1.7
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	501	0.0	12.0	-12.0	
						NER-NR	0.0	12.0	-12.0
Import/Export of WR (With NR)									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1500	0.0	36.0	-36.0	
34		V'CHAL B/B	D/C	250	200	2.7	1.9	0.9	
35		APL -MHG	D/C	0	2016	0.0	48.4	-48.4	
36	765 kV	GWALIOR-AGRA	D/C	0	2538	0.0	51.3	-51.3	
37		PHAGI-GWALIOR	D/C	0	1476	0.0	31.8	-31.8	
38		JABALPUR-ORAI	D/C	0	1310	0.0	22.3	-22.3	
39		GWALIOR-ORAI	S/C	0	1914	10.1	0.0	10.1	
40		SATNA-ORAI	S/C	486	0	0.0	43.0	-43.0	
41		ZERDA-KANKROLI	S/C	456	0	7.9	0.0	7.9	
42	400 kV	ZERDA -BHINMAL	S/C	454	0	8.0	0.0	8.0	
43		V'CHAL -RIHAND	S/C	979	0	22.1	0.0	22.1	
44		RAPP-SHUJALPUR	D/C	0	209	0	1	-1	
45	220 kV	BADOD-KOTA	S/C	12	88	0.0	0.9	-0.9	
46		BADOD-MORAK	S/C	0	100	0.0	1.6	-1.6	
47		MEHGAON-AURAIYA	S/C	13	37	0.0	0.4	-0.4	
48		MALANPUR-AURAIYA	S/C	0	51	0.0	0.9	-0.9	
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						WR-NR	50.9	239.5	-188.7
Import/Export of WR (With SR)									
50	HVDC LINK	BHADRAWATI B/B	-	0	1000	0.0	17.4	-17.4	
51		BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	917	648	6.5	0.0	6.5	
53		WARDHA-NIZAMABAD	D/C	0	1418	0.0	12.3	-12.3	
54	400 kV	KOLHAPUR-KUDGI	D/C	712	0	12.0	0.0	12.0	
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	109	0	2.1	0.0	2.1	
						WR-SR	20.6	29.7	-9.1
TRANSNATIONAL EXCHANGE									
58		BHUTAN						16.4	
59		NEPAL						-6.5	
60		BANGLADESH						-13.4	