



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: 18th 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 17.06.2018.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 17-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 17th 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)	46172	43382	36170	19335	2360	147419
Peak Shortage (MW)	432	52	0	0	135	619
Energy Met (MU)	1097	1076	835	447	42	3495
Hydro Gen (MU)	295	10	48	95	28	476
Wind Gen (MU)	48	131	177	-----	-----	357
Solar Gen (MU)*	12.04	18.20	56.77	0.88	0.01	88
Energy Shortage (MU)	8.8	0.0	0.0	0.0	1.6	10.4
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	54057 00:07	47210 00:00	37149 21:37	21017 23:13	2267 19:43	159728 00:00

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	0.030	0.00	0.00	2.80	2.80	76.82	20.38

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	6495	0	136.1	93.6	-2.8	115	0.0	
	Haryana	8244	175	148.0	116.8	1.2	478	0.2	
	Rajasthan	10778	0	230.9	71.3	3.6	522	0.0	
	Delhi	6001	0	113.1	89.7	-2.5	218	0.0	
	UP	18643	50	370.0	170.7	0.7	431	0.0	
	Uttarakhand	1783	0	35.4	11.6	-1.1	153	0.0	
	HP	1224	0	23.4	1.0	2.1	277	0.1	
	J&K	1974	494	35.7	16.7	-5.4	28	8.5	
	Chandigarh	197	0	3.8	5.4	-1.6	0	0.0	
	WR	Chhattisgarh	3575	0	83.1	22.8	-0.6	152	0.0
Gujarat		15270	0	342.9	116.4	5.7	649	0.0	
MP		8205	0	180.6	72.5	-1.6	671	0.0	
Maharashtra		18908	0	424.7	127.8	-2.0	415	0.0	
Goa		373	0	9.0	8.3	0.0	51	0.0	
DD		301	0	6.9	6.6	0.3	61	0.0	
DNH		734	0	17.2	16.8	0.4	54	0.0	
Essar steel		557	0	11.4	10.9	0.5	209	0.0	
SR		Andhra Pradesh	7590	0	172.9	34.4	2.6	465	0.0
		Telangana	6613	0	145.1	56.1	1.0	333	0.0
	Karnataka	7512	0	155.9	52.0	-4.6	482	0.0	
	Kerala	3098	0	60.6	38.3	0.7	260	0.0	
	Tamil Nadu	13306	0	293.0	95.9	-0.3	394	0.0	
	Pondy	338	0	7.3	7.6	-0.3	51	0.0	
	ER	Bihar	4712	0	89.7	87.3	0.3	200	0.0
DVC		3060	0	70.8	-27.5	2.1	225	0.0	
Jharkhand		1147	0	25.1	20.0	-0.7	85	0.0	
Odisha		4532	0	92.3	45.1	1.9	220	0.0	
West Bengal		8562	0	167.7	61.9	1.3	225	0.0	
Sikkim		70	0	0.9	1.4	-0.4	15	0.0	
NER	Arunachal Pradesh	110	2	2.1	3.0	-0.9	0	0.0	
	Assam	1476	85	24.9	20.2	-0.8	175	1.5	
	Manipur	158	2	2.1	2.5	-0.4	11	0.0	
	Meghalaya	280	0	5.1	0.5	-0.2	110	0.0	
	Mizoram	83	2	1.4	1.3	-0.5	1	0.0	
	Nagaland	123	2	2.0	2.3	-0.6	36	0.0	
	Tripura	220	9	3.8	4.0	-0.6	89	0.1	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	31.0	-5.4	-14.9
Day peak (MW)	1457.1	-262.3	-666.4

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	220.7	-210.1	23.6	-28.5	-5.9	-0.2
Actual(MU)	208.2	-201.2	16.4	-13.9	-12.9	-3.5
O/D/U/D(MU)	-12.5	8.8	-7.2	14.5	-7.0	-3.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4035	15120	8862	1700	80	29797
State Sector	7710	15928	8210	6115	50	38013
Total	11745	31048	17072	7815	129	67809

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	471	1069	448	397	6	2391
Hydro	295	10	50	95	28	477
Nuclear	31	30	47	0	0	107
Gas, Naptha & Diesel	32	48	14	0	22	116
RES (Wind, Solar, Biomass & Others)	74	150	266	1	0	491
Total	903	1305	823	493	57	3581

Share of RES in total generation (%)	8.19	11.45	32.30	0.24	0.04	13.70
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	44.35	14.45	43.99	19.41	49.76	30.02

H. Diversity Factor

All India Demand Diversity Factor	1.012
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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-के०वि०प्र०(प्रि०प्र०)/अध्यक्ष एवं प्रथम निदेशक(पोसोको)/द्वितीय सचिव/ऊर्जा सचिव

INTER-REGIONAL EXCHANGES

Date of Reporting : 18-Jun-18

Import=(+ve)
/Export =(-ve)
for NET (MU)

SI 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	110	199	0.0	2.4	-2.4	
2		SASARAM-FATEHPUR	S/C	234	7	2.8	0.0	2.8	
3		GAYA-BALIA	S/C	0	353	0.0	5.8	-5.8	
4		ALIPURDUAR-AGRA	-	0	283	0.0	12.1	-12.1	
5		PUSAULI B/B	S/C	0	247	0.0	6.0	-6.0	
6	400 kV	PUSAULI-VARANASI	S/C	0	207	0.0	0.0	0.0	
7		PUSAULI-ALLAHABAD	S/C	0	104	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	666	0.0	11.8	-11.8	
9		PATNA-BALIA	Q/C	0	756	0.0	14.3	-14.3	
10		BIHARSHARIFF-BALIA	D/C	6	311	0.0	5.5	-5.5	
11		MOTIHARI-GORAKHPUR	D/C	271	1	4.8	0.0	4.8	
12		BIHARSHARIFF-VARANASI	D/C	867	0	0.0	0.7	-0.7	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	203	0.0	4.0	-4.0	
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
15		GARWAH-RIHAND	S/C	35	0	0.3	0.0	0.3	
16		KARMANASA-SAHUPURI	S/C	0	58	0.0	0.0	0.0	
17		KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0	
ER-NR						7.9	62.5	-54.6	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	940	0	23.7	0.0	23.7	
19		NEW RANCHI-DHARAMJAIGARH	D/C	676	41	11.5	0.0	11.5	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	1012	0	17.4	0.0	17.4	
21		RANCHI-SIPAT	D/C	333	0	4.5	0.0	4.5	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	90	60	0.8	0.0	0.8	
23		BUDHIPADAR-KORBA	D/C	137	0	2.4	0.0	2.4	
ER-WR						60.3	0.0	60.3	
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1234.8	0.0	15.4	-15.4	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	472.7	0.0	11.1	-11.1	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1384.3	0.0	30.0	-30.0	
27	400 kV	TALCHER-I/C	D/C	579.1	0.9	3.4	4.4	-1.1	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	56.5	-56.5	
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	42	323	0.0	1.8	-2	
30		ALIPURDUAR-BONGAIGAON	D/C	288	89	3.4	0.0	3	
31		220 kV	ALIPURDUAR-SALAKATI	D/C	14	105	0.0	0.7	-1
ER-NER						3.4	2.5	0.9	
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	13	2500	0.0	43.1	-43.1	
34		V'CHAL B/B	D/C	0	250	5.0	0.0	5.0	
35		APL -MHG	D/C	0	1513	0.0	31.3	-31.3	
36		765 kV	GWALIOR-AGRA	D/C	0	2232	0.0	40.7	-40.7
37			PHAGI-GWALIOR	D/C	0	1506	0.0	26.7	-26.7
38	400 kV	JABALPUR-ORAI	D/C	0	971	0.0	14.5	-14.5	
39		GWALIOR-ORAI	S/C	0	1902	9.2	0.0	9.2	
40		SATNA-ORAI	S/C	466	0	0.0	39.8	-39.8	
41	220 kV	ZERDA-KANKROLI	S/C	507	0	7.6	0.0	7.6	
42		ZERDA -BHINMAL	S/C	529	7	6.2	0.0	6.2	
43		V'CHAL -RIHAND	S/C	955	0	18.2	0.0	18.2	
44		RAPP-SHUJALPUR	D/C	11	306	0	1	-1	
45	132kV	BADOD-KOTA	S/C	65	47	0.1	0.0	0.1	
46		BADOD-MORAK	S/C	12	77	0.0	1.0	-1.0	
47		MEHGAON-AURAIYA	S/C	26	11	0.2	0.0	0.1	
48	220 kV	MALANPUR-AURAIYA	S/C	0	30	0.0	0.5	-0.5	
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						46.3	198.9	-152.6	
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	500	0.0	12.0	-12.0	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	1386	738	10.8	0.0	10.8	
53		WARDHA-NIZAMABAD	D/C	0	1303	0.0	9.9	-9.9	
54	400 kV	KOLHAPUR-KUDGI	D/C	768	0	11.1	0.0	11.1	
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	109	0	2.1	0.0	2.1	
WR-SR						24.0	21.9	2.1	
TRANSNATIONAL EXCHANGE									
58		BHUTAN						31.0	
59		NEPAL						-5.4	
60		BANGLADESH						-14.9	