



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: 17th 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 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 16.06.2018.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 16-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 16th June 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

17-Jun-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs)	52173	46047	37892	19817	2457	158385
Peak Shortage (MW)	423	11	33	0	162	629
Energy Met (MU)	1242	1121	880	458	42	3744
Hydro Gen (MU)	310	10	54	92	29	495
Wind Gen (MU)	53	155	157	-----	-----	365
Solar Gen (MU)*	13.01	18.69	59.74	0.82	0.01	92
Energy Shortage (MU)	9.5	0.0	0.0	0.0	1.6	11.1
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	57237 00:08	48841 14:46	38973 15:22	21249 21:11	2364 19:58	164003 00:10

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	0.029	0.00	0.03	4.54	4.57	82.42	13.01

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	7090	0	163.6	107.5	-1.1	115	0.0
	Haryana	8860	200	181.0	131.2	1.0	316	0.1
	Rajasthan	10991	0	231.1	66.7	5.2	589	0.0
	Delhi	6254	0	124.7	100.7	-2.2	194	0.1
	UP	20062	0	433.9	186.8	1.5	297	0.0
	Uttarakhand	1953	0	40.5	14.5	0.1	168	0.0
	HP	1259	0	23.8	1.6	0.6	99	0.0
	J&K	1885	471	39.1	19.6	-5.3	0	9.3
Chandigarh	272	0	4.7	6.0	-1.3	0	0.0	
WR	Chhattisgarh	3508	0	83.7	24.6	-0.2	209	0.0
	Gujarat	16081	0	355.0	109.1	5.3	668	0.0
	MP	8366	0	182.1	64.6	-4.3	227	0.0
	Maharashtra	20155	0	454.5	142.2	1.5	498	0.0
	Goa	451	0	10.2	9.8	-0.2	14	0.0
	DD	323	0	7.3	6.8	0.5	66	0.0
	DNH	755	0	17.0	17.1	0.0	72	0.0
Essar steel	587	0	11.0	10.9	0.0	209	0.0	
SR	Andhra Pradesh	7750	0	172.9	33.9	2.3	490	0.0
	Telangana	6840	0	147.6	58.0	-0.8	351	0.0
	Karnataka	7691	0	168.8	54.1	-0.1	460	0.0
	Kerala	3242	0	64.9	43.1	0.6	196	0.0
	Tamil Nadu	14420	0	318.2	112.2	1.1	495	0.0
	Pondy	360	0	8.0	8.2	-0.2	22	0.0
ER	Bihar	4685	0	90.5	91.0	-1.7	200	0.0
	DVC	2925	0	69.8	-28.3	0.6	100	0.0
	Jharkhand	1198	0	25.5	19.6	0.1	50	0.0
	Odisha	4413	0	91.0	44.8	0.6	350	0.0
	West Bengal	8768	0	180.1	63.6	3.8	450	0.0
Sikkim	83	0	1.0	1.4	-0.4	2	0.0	
NER	Arunachal Pradesh	116	2	2.2	2.8	-0.6	0	0.0
	Assam	1551	47	25.7	19.6	0.7	175	1.5
	Manipur	151	3	2.3	2.5	-0.2	11	0.0
	Meghalaya	306	13	5.3	0.2	-0.2	110	0.0
	Mizoram	79	4	1.9	1.1	0.2	1	0.0
	Nagaland	131	7	2.2	2.4	-0.3	36	0.0
	Tripura	212	17	2.5	4.3	-0.9	89	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	25.1	-4.9	-15.1
Day peak (MW)	1342.2	-378.0	-662.6

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	247.7	-225.0	23.4	-37.8	-7.4	0.9
Actual(MU)	243.0	-221.0	24.5	-34.6	-10.9	1.0
O/D/U/D(MU)	-4.7	4.0	1.1	3.2	-3.5	0.1

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4145	14270	8862	1700	416	29393
State Sector	6510	15728	9220	5905	50	37413
Total	10655	29998	18082	7605	465	66805

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	570	1103	494	419	4	2591
Hydro	310	10	56	92	29	496
Nuclear	31	30	47	0	0	107
Gas, Naptha & Diesel	33	50	15	0	23	121
RES (Wind, Solar, Biomass & Others)	79	174	255	1	0	509
Total	1023	1366	866	512	56	3824

Share of RES in total generation (%)	7.73	12.74	29.37	0.22	0.04	13.30
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	41.07	15.63	41.17	18.10	51.50	29.08

H. Diversity Factor

All India Demand Diversity Factor	1.028
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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(परिष्कारण)/(ओ एम)/निदेशक(ओ एम)/मुख्य अभियंता-के०वि०प्रा०(सि०प्र०)/

अध्यक्ष एवं प्रबंध निदेशक(पोसोको)/सभी राज्यों के मुख्य सचिव/ऊर्जा सचिव

महाप्रबंधक (रा० भा० प्रे० के०)

INTER-REGIONAL EXCHANGES								Date of Reporting :	17-Jun-18
Sl 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	78	252	0.0	2.5	-2.5	
2		SASARAM-FATEHPUR	S/C	342	0	3.9	0.0	3.9	
3		GAYA-BALIA	S/C	0	433	0.0	7.6	-7.6	
4	HVDC	ALIPURDUAR-AGRA	-	0	285	0.0	11.8	-11.8	
5		PUSAULI B/B	S/C	0	247	0.0	5.8	-5.8	
6	400 kV	PUSAULI-VARANASI	S/C	0	220	0.0	0.0	0.0	
7		PUSAULI -ALLAHABAD	S/C	0	109	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	684	0.0	11.2	-11.2	
9		PATNA-BALIA	Q/C	0	937	0.0	17.0	-17.0	
10		BIHARSHARIFF-BALIA	D/C	0	438	0.0	7.6	-7.6	
11		MOTIHARI-GORAKHPUR	D/C	278	0	0.0	4.0	-4.0	
12	BIHARSHARIFF-VARANASI	D/C	794	0	0.0	0.0	0.0		
13	220 kV	PUSAULI-SAHUPURI	S/C	0	215	0.0	4.6	-4.6	
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
15		GARWAH-RIHAND	S/C	35	0	0.3	0.0	0.3	
16		KARMANASA-SAHUPURI	S/C	0	56	0.0	0.0	0.0	
17		KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0	
						ER-NR	4.2	71.9	-67.7
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	904	0	12.8	0.0	12.8	
19		NEW RANCHI-DHARAMJAIGARH	D/C	795	0	11.4	0.0	11.4	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	959	0	12.8	0.0	12.8	
21		RANCHI-SIPAT	D/C	369	0	6.8	0.0	6.8	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	72	60	0.1	0.0	0.1	
23		BUDHIPADAR-KORBA	D/C	131	0	2.2	0.0	2.2	
						ER-WR	46.2	0.0	46.2
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1196.8	0.0	19.6	-19.6	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	461.8	0.0	11.1	-11.1	
26		LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1384.2	0.0	25.8	-25.8
27	400 kV	TALCHER-I/C	D/C	735.5	0.8	3.8	4.7	-0.9	
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	59	389	0.0	2.3	-2	
30		ALIPURDUAR-BONGAIGAON	D/C	294	169	3.0	0.0	3	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	23	118	0.0	1.4	-1	
						ER-NER	3.0	3.7	-0.7
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	55	2000	0.0	46.6	-46.6	
34		V'CHAL B/B	D/C	0	250	5.6	0.0	5.6	
35		APL -MHG	D/C	0	2015	0.0	33.1	-33.1	
36	765 kV	GWALIOR-AGRA	D/C	0	2328	0.0	46.0	-46.0	
37		PHAGI-GWALIOR	D/C	0	1332	0.0	26.7	-26.7	
38		JABALPUR-ORAI	D/C	0	1082	0.0	18.9	-18.9	
39		GWALIOR-ORAI	S/C	0	1884	9.5	0.0	9.5	
40		SATNA-ORAI	S/C	460	0	0.0	42.3	-42.3	
41		ZERDA-KANKROLI	S/C	530	0	7.2	0.0	7.2	
42	400 kV	ZERDA -BHINMAL	S/C	352	0	4.8	0.0	4.8	
43		V'CHAL -RIHAND	S/C	955	0	21.0	0.0	21.0	
44		RAPP-SHUJALPUR	D/C	53	232	0	1	-1	
45	220 kV	BADOD-KOTA	S/C	33	94	0.1	0.7	-0.6	
46		BADOD-MORAK	S/C	0	113	0.0	1.5	-1.5	
47		MEHGAON-AURAIYA	S/C	31	35	0.1	0.2	-0.1	
48		MALANPUR-AURAIYA	S/C	0	50	0.0	0.8	-0.8	
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						WR-NR	48.3	218.0	-169.7
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	500	0.0	12.1	-12.1	
51		LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	765 kV	SOLAPUR-RAICHUR	D/C	809	990	2.5	0.0	2.5	
53		WARDHA-NIZAMABAD	D/C	0	1322	0.0	13.7	-13.7	
54	400 kV	KOLHAPUR-KUDGI	D/C	705	0	10.2	0.0	10.2	
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	109	0	2.1	0.0	2.1	
						WR-SR	14.9	25.8	-10.9
TRANSNATIONAL EXCHANGE									
58		BHUTAN						25.1	
59		NEPAL						-4.9	
60		BANGLADESH						-15.1	