



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: 22th 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 21.06.2018.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 21-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 21 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

22-Jun-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs)	55723	44661	40154	19250	2602	162390
Peak Shortage (MW)	1653	105	0	0	228	1986
Energy Met (MU)	1317	1121	928	446	50	3862
Hydro Gen (MU)	260	22	70	80	23	454
Wind Gen (MU)	10	75	154	-----	-----	239
Solar Gen (MU)*	14.87	18.12	52.23	0.82	0.02	86
Energy Shortage (MU)	30.5	0.0	0.0	0.0	1.3	31.8
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	58457 20:14	50044 14:34	41343 19:47	20747 00:01	2233 18:00	168017 14:49

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	0.097	0.00	3.83	29.29	33.13	62.00	4.87

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	10553	160	241.6	113.6	-0.8	96	0.0
	Harvana	8642	143	193.2	129.0	3.5	380	0.7
	Rajasthan	9840	411	225.7	62.0	5.4	481	10.9
	Delhi	6330	0	132.5	99.7	-1.5	201	0.0
	UP	18479	1250	411.3	171.7	2.3	363	9.2
	Uttarakhand	2035	0	43.6	18.3	2.4	307	1.4
	HP	1429	0	28.8	9.4	2.8	234	0.0
	J&K	1783	446	34.2	16.5	-6.6	0	8.2
WR	Chandigarh	304	0	6.0	5.7	0.4	64	0.0
	Chhattisgarh	3498	0	81.6	14.9	-2.4	131	0.0
	Gujarat	16870	0	375.6	116.5	6.6	684	0.0
	MP	7745	0	178.5	71.8	-3.0	507	0.0
	Maharashtra	20270	0	442.9	136.0	-0.5	326	0.0
	Goa	441	0	9.2	8.7	-0.2	40	0.0
	DD	336	0	7.6	6.5	1.1	110	0.0
	DNH	774	0	18.1	17.7	0.4	62	0.0
SR	Essar steel	404	0	7.4	6.0	1.4	233	0.0
	Andhra Pradesh	8796	0	187.2	36.2	0.3	468	0.0
	Telangana	7363	0	162.9	71.2	0.0	431	0.0
	Karnataka	8765	0	180.3	51.2	-0.8	428	0.0
	Kerala	3324	0	63.8	37.4	0.3	207	0.0
	Tamil Nadu	15020	0	326.5	99.0	1.9	758	0.0
	Pondy	370	0	7.5	8.1	-0.7	39	0.0
	ER	Bihar	4936	0	94.7	95.6	-3.5	50
DVC		3014	0	66.0	-26.2	-0.6	295	0.0
Jharkhand		1066	0	24.4	18.2	0.1	60	0.0
Odisha		4446	0	89.8	40.8	0.2	185	0.0
West Bengal		8179	0	169.6	57.7	-1.2	50	0.0
Sikkim		89	0	1.2	1.6	-0.3	0	0.0
NER	Arunachal Pradesh	125	1	2.0	2.2	-0.2	45	0.0
	Assam	1657	128	31.9	26.3	0.6	146	1.1
	Manipur	170	2	2.3	2.5	-0.2	49	0.1
	Meghalaya	324	0	5.5	0.4	0.3	32	0.0
	Mizoram	90	2	1.5	0.8	0.1	9	0.0
	Nagaland	125	3	2.2	2.1	-0.1	35	0.0
	Tripura	259	0	4.7	3.3	0.8	73	0.1

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	16.6	-5.5	-14.5
Day peak (MW)	815.7	-383.8	-644.3

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	270.3	-224.2	16.7	-61.9	0.3	1.2
Actual(MU)	281.4	-232.8	14.3	-64.8	-0.5	-2.4
O/D/U/D(MU)	11.0	-8.6	-2.4	-2.8	-0.8	-3.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3705	16639	9902	750	460	31456
State Sector	5080	15451	5840	6565	50	32986
Total	8785	32090	15742	7315	510	64441

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	687	1171	553	453	11	2876
Hydro	260	22	71	80	23	456
Nuclear	31	30	46	0	0	107
Gas, Naptha & Diesel	49	56	12	0	20	137
RES (Wind, Solar, Biomass & Others)	39	93	243	1	0	377
Total	1067	1373	927	534	54	3954

Share of RES in total generation (%)	3.67	6.81	26.25	0.21	0.06	9.54
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	30.99	10.57	38.97	15.19	42.00	23.79

H. Diversity Factor

All India Demand Diversity Factor	1.029
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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 (पारेषण)/(ओ एम)/निदेशक (ओ एम)/मुख्य अभियंता-के०वि०प्रा०(ग्रिड) / अध्यक्ष एवं प्रबंध निदेशक (पोसोको)/सभी राज्यों के मुख्य सचिव/ऊर्जा सचिव

महाप्रबंधक (रा० भा० प्रे० के०)

INTER-REGIONAL EXCHANGES								Date of Reporting :	22-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	1	377	0.0	6.3	-6.3	
2		SASARAM-FATEHPUR	S/C	315	115	2.7	0.0	2.7	
3		GAYA-BALIA	S/C	0	622	0.0	12.3	-12.3	
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0	
5		PUSAULI B/B	S/C	2	398	0.0	9.3	-9.3	
6	400 kV	PUSAULI-VARANASI	S/C	1	285	0.0	0.0	0.0	
7		PUSAULI -ALLAHABAD	S/C	2	172	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	796	0.0	13.5	-13.5	
9		PATNA-BALIA	Q/C	0	1074	0.0	18.7	-18.7	
10		BIHARSHARIFF-BALIA	D/C	0	555	0.0	11.8	-11.8	
11		MOTIHARI-GORAKHPUR	D/C	15	210	0.0	3.1	-3.1	
12	220 kV	BIHARSHARIFF-VARANASI	D/C	895	0	0.0	4.8	-4.8	
13		PUSAULI-SAHUPURI	S/C	0	220	0.0	4.5	-4.5	
14		SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
15		132 kV	GARWAH-RIHAND	S/C	35	0	0.4	0.0	0.4
16			KARMANASA-SAHUPURI	S/C	0	39	0.0	0.0	0.0
17		KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0	
ER-NR						3.1	84.2	-81.2	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	654	127	5.1	0.0	5.1	
19		NEW RANCHI-DHARAMJAIGARH	D/C	766	0	10.7	0.0	10.7	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	1013	0	17.5	0.0	17.5	
21		RANCHI-SIPAT	D/C	354	0	5.2	0.0	5.2	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	75	41	0.0	0.1	-0.1	
23		BUDHIPADAR-KORBA	D/C	132	0	2.2	0.0	2.2	
ER-WR						40.6	0.1	40.5	
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1377.8	0.0	17.1	-17.1	
25	HVDC LINK	JEYPORE-GAZUWAKA B/B	D/C	0.0	674.6	0.0	12.9	-12.9	
26		TALCHER-KOLAR BIPOLE	D/C	0.0	1580.2	0.0	27.6	-27.6	
27	400 kV	TALCHER-I/C	D/C	354.3	0.9	2.3	1.9	0.5	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	57.6	-57.6	
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	144	125	0.6	0.0	1	
30		ALIPURDUAR-BONGAIGAON	D/C	205	86	1.7	0.0	2	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	9	80	0.0	0.6	-1	
ER-NER						2.3	0.6	1.7	
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	0	0.0	0.0	0.0	
NER-NR						0.0	0.0	0.0	
Import/Export of WR (With NR)									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	2950	0.0	36.5	-36.5	
34		V'CHAL B/B	D/C	250	50	0.1	5.5	-5.4	
35		APL -MHG	D/C	0	2016	0.0	48.4	-48.4	
36	765 kV	GWALIOR-AGRA	D/C	0	2718	0.0	56.2	-56.2	
37		PHAGI-GWALIOR	D/C	0	1366	0.0	28.1	-28.1	
38		JABALPUR-ORAI	D/C	0	1356	0.0	25.7	-25.7	
39		GWALIOR-ORAI	S/C	0	1838	9.4	0.0	9.4	
40		SATNA-ORAI	S/C	439	0	0.0	41.7	-41.7	
41		ZERDA-KANKROLI	S/C	354	0	5.7	0.0	5.7	
42	400 kV	ZERDA -BHINMAL	S/C	322	0	4.3	0.0	4.3	
43		V'CHAL -RIHAND	S/C	972	0	22.5	0.0	22.5	
44		RAPP-SHUJALPUR	D/C	0	334	0	3	-3	
45	220 kV	BADOD-KOTA	S/C	55	24	0.4	0.1	0.3	
46		BADOD-MORAK	S/C	4	56	0.0	0.8	-0.8	
47		MEHGAON-AURAIYA	S/C	16	39	0.1	0.4	-0.4	
48		MALANPUR-AURAIYA	S/C	0	45	0.0	0.4	-0.4	
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						42.5	246.7	-204.3	
Import/Export of WR (With SR)									
50	HVDC LINK	BHADRAWATI B/B	-	200	800	3.2	6.4	-3.3	
51		BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	1552	604	15.9	0.0	15.9	
53		WARDHA-NIZAMABAD	D/C	0	1495	0.0	15.4	-15.4	
54	400 kV	KOLHAPUR-KUDGI	D/C	676	273	12.0	0.0	12.0	
55		KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
56	220 kV	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						33.2	21.8	11.4	
TRANSNATIONAL EXCHANGE									
58		BHUTAN						16.6	
59		NEPAL						-5.5	
60		BANGLADESH						-14.5	