



National Load Despatch Centre
राष्ट्रीय भार प्रेषण केंद्र
POWER SYSTEM OPERATION CORPORATION LIMITED
पाँवर 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: 11th June 2018

To,

1. कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के., 14, गोल्फ क्लब रोड, कोलकाता - 700033
Executive Director, 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. कार्यकारी निदेशक, प.क्षे.भा.प्रे.के., एफ3-, एम आई डी सी क्षेत्र, अंधेरी, मुंबई -400093
Executive Director, WRLDC, F-3, M.I.D.C. Area, Marol, Andheri (East), Mumbai-400093
4. कार्यकारी निदेशक, ऊ.पू.क्षे.भा.प्रे.के., डोंगतिह, लोअर नोंग्रह, लापलंग, शिलोंग - 793006
Executive Director, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
5. महाप्रबंधक, द.क्षे.भा.प्रे.के., 29, रेस कोर्स क्रॉस रोड, बंगलुरु -560009
General Manager, SRLDC, 29, Race Course Cross Road, Bangalore-560009

Sub: Daily PSP Report for the date 10.06.2018.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 10-जून-2018 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रा०भा०प्रे०के० 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 10th 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

11-Jun-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs)	47087	42577	35160	20123	2402	147349
Peak Shortage (MW)	657	20	17	0	235	928
Energy Met (MU)	1100	1027	753	437	49	3366
Hydro Gen (MU)	324	9	42	75	16	466
Wind Gen (MU)	16	141	187	-----	-----	344
Solar Gen (MU)*	17.11	16.96	44.34	0.76	0.01	79
Energy Shortage (MU)	9.8	0.0	0.0	0.0	1.7	11.4
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	52971 22:29	44901 23:47	35747 21:26	20938 21:00	2400 19:32	155139 22:29

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	0.036	0.00	0.53	3.02	3.55	75.10	21.34

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	7468	0	158.5	93.2	-0.9	108	0.0
	Harvana	6748	43	133.3	109.6	2.5	398	0.2
	Rajasthan	9414	0	211.8	72.6	3.2	547	0.0
	Delhi	5884	0	110.4	86.7	-2.9	129	0.1
	UP	19131	970	377.9	165.7	0.2	384	0.0
	Uttarakhand	1872	0	38.7	15.5	-0.5	180	0.0
	HP	1259	0	24.3	6.7	-4.9	0	0.0
	J&K	1912	478	40.1	19.6	-4.3	21	9.5
WR	Chandigarh	273	0	5.3	6.1	-0.8	0	0.0
	Chhattisgarh	3278	0	73.3	15.4	-2.8	153	0.0
	Gujarat	15739	0	353.1	133.4	6.5	631	0.0
	MP	7331	0	153.8	56.1	-1.8	481	0.0
	Maharashtra	17677	0	403.4	105.9	0.7	733	0.0
	Goa	496	0	10.6	7.5	2.4	49	0.0
	DD	323	0	7.0	6.2	0.8	76	0.0
	DNH	762	0	17.5	17.5	0.1	40	0.0
SR	Essar steel	418	0	8.4	8.2	0.2	190	0.0
	Andhra Pradesh	6650	0	149.3	17.5	-0.4	422	0.0
	Telangana	5715	0	124.0	54.1	-4.8	274	0.0
	Karnataka	6534	0	136.5	40.1	-7.9	315	0.0
	Kerala	3100	0	53.1	37.7	-0.3	276	0.0
	Tamil Nadu	12556	0	282.8	91.2	-3.2	611	0.0
	Pondy	347	0	7.4	7.5	-0.2	36	0.0
	ER	Bihar	4758	0	94.7	93.4	-1.1	200
DVC		3032	0	69.3	-22.9	-2.6	220	0.0
Jharkhand		1051	0	23.0	16.4	0.9	85	0.0
Odisha		4285	0	90.1	47.2	2.0	225	0.0
West Bengal		8271	0	158.6	45.0	2.6	225	0.0
NER	Sikkim	73	0	1.0	1.4	-0.4	15	0.0
	Arunachal Pradesh	102	3	1.9	2.2	-0.3	3	0.0
	Assam	1555	172	32.7	27.6	0.9	121	1.3
	Manipur	134	11	2.1	2.3	-0.2	20	0.0
	Meghalaya	242	0	5.0	2.1	0.1	47	0.0
	Mizoram	72	2	1.6	1.0	0.2	7	0.0
	Nagaland	118	12	2.1	1.8	0.2	40	0.0
	Tripura	220	20	3.7	3.9	-0.8	35	0.2

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	12.4	-7.4	-15.1
Day peak (MW)	710.4	-270.1	-667.3

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	230.1	-242.0	27.0	-21.4	6.2	-0.1
Actual(MU)	229.5	-239.2	4.9	5.9	5.4	6.6
O/D/U/D(MU)	-0.6	2.8	-22.1	27.4	-0.8	6.7

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	6203	13744	8902	1890	196	30935
State Sector	8735	16441	10100	5695	50	41021
Total	14938	30185	19002	7585	246	71956

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	466	1031	390	394	9	2290
Hydro	324	9	44	75	16	467
Nuclear	27	30	46	0	0	103
Gas, Naptha & Diesel	29	46	11	0	22	108
RES (Wind, Solar, Biomass & Others)	48	158	266	1	0	474
Total	895	1273	757	470	47	3442

Share of RES in total generation (%)	5.39	12.41	35.17	0.29	0.07	13.76
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	44.64	15.41	47.04	16.18	34.23	30.33

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(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 प्र० के०)

INTER-REGIONAL EXCHANGES								Date of Reporting :	11-Jun-18
SI No	Voltage Level	Line Details	Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET for NET (MU)	
Import/Export of ER (With NR)									
1	765kV	GAYA-VARANASI	D/C	0	283	0.0	3.7	-3.7	
2		SASARAM-FATEHPUR	S/C	270	15	2.0	0.0	2.0	
3		GAYA-BALIA	S/C	0	488	0.0	9.0	-9.0	
4	HVDC	ALIPURDUAR-AGRA	-	0	287	0.0	8.9	-8.9	
5		PUSAULI B/B	S/C	0	49	0.0	1.2	-1.2	
6	400 kV	PUSAULI-VARANASI	S/C	0	116	0.0	0.0	0.0	
7		PUSAULI -ALLAHABAD	S/C	55	36	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	354	0.0	5.4	-5.4	
9		PATNA-BALIA	Q/C	0	565	0.0	10.9	-10.9	
10		BIHARSHARIFF-BALIA	D/C	0	281	0.0	4.8	-4.8	
11		MOTIHARI-GORAKHPUR	D/C	3	194	0.0	3.2	-3.2	
12	220 kV	BIHARSHARIFF-VARANASI	D/C	380	95	1.1	0.0	1.1	
13		PUSAULI-SAHUPURI	S/C	0	193	0.0	4.0	-4.0	
14		SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
15		132 kV	GARWAH-RIHAND	S/C	35	0	0.3	0.0	0.3
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						3.4	51.0	-47.6	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	977	0	29.3	0.0	29.3	
19		NEW RANCHI-DHARAMJAIGARH	D/C	1047	0	19.3	0.0	19.3	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	1188	0	24.5	0.0	24.5	
21		RANCHI-SIPAT	D/C	495	0	9.3	0.0	9.3	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	150	1	2.0	0.0	2.0	
23		BUDHIPADAR-KORBA	D/C	163	0	3.0	0.0	3.0	
ER-WR						87.4	0.0	87.4	
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1068.8	0.0	15.3	-15.3	
25	HVDC LINK	JEYPORE-GAZUWAKA B/B	D/C	0.0	318.6	0.0	7.3	-7.3	
26		TALCHER-KOLAR BIPOLE	D/C	0.0	1286.8	0.0	31.2	-31.2	
27	400 kV	TALCHER-I/C	D/C	882.4	0.1	0.0	12.2	-12.2	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	53.8	-53.8	
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	506	0.0	7.0	-7	
30		ALIPURDUAR-BONGAIGAON	D/C	80	268	0.0	2.3	-2	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	110	0.0	1.7	-2	
ER-NER						0.0	11.0	-11.0	
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	500	0.0	6.6	-6.6	
NER-NR						0.0	6.6	-6.6	
Import/Export of WR (With NR)									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	229	0.0	24.6	-24.6	
34		V'CHAL B/B	D/C	250	250	1.5	2.8	-1.3	
35		APL -MHG	D/C	0	1513	0.0	22.0	-22.0	
36	765 kV	GWALIOR-AGRA	D/C	0	3172	0.0	50.2	-50.2	
37		PHAGI-GWALIOR	D/C	0	1448	0.0	29.0	-29.0	
38		JABALPUR-ORAI	D/C	0	34	0.0	20.4	-20.4	
39		GWALIOR-ORAI	S/C	0	1965	9.5	0.0	9.5	
40		SATNA-ORAI	S/C	503	0	0.0	44.0	-44.0	
41		ZERDA-KANKROLI	S/C	358	0	4.6	0.0	4.6	
42	400 kV	ZERDA -BHINMAL	S/C	334	34	2.6	0.0	2.6	
43		V'CHAL -RIHAND	S/C	466	0	9.4	0.0	9.4	
44		RAPP-SHUJALPUR	D/C	0	459	0	4	-4	
45	220 kV	BADOD-KOTA	S/C	24	83	0.3	0.5	-0.2	
46		BADOD-MORAK	S/C	16	104	0.0	0.9	-0.9	
47		MEHGAON-AURAIYA	S/C	22	84	0.0	0.8	-0.7	
48		MALANPUR-AURAIYA	S/C	0	85	0.0	1.2	-1.2	
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						27.9	200.1	-172.1	
Import/Export of WR (With SR)									
50	HVDC LINK	BHADRAWATI B/B	-	0	600	0.0	6.8	-6.8	
51		BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	52	1237	15.2	0.0	15.2	
53		WARDHA-NIZAMABAD	D/C	0	932	0.0	14.7	-14.7	
54	400 kV	KOLHAPUR-KUDGI	D/C	1013	0	16.6	0.0	16.6	
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						33.9	21.5	12.4	
TRANSNATIONAL EXCHANGE									
58		BHUTAN						12.4	
59		NEPAL						-7.4	
60		BANGLADESH						-15.1	