



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 सराय, न्यू दिल्ली-110016

Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 06th July 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 05.06.2018.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 5 जुलाई 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 5th July 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

6-Jul-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs: from RLDCs)	52403	43543	41275	19750	2567	159538
Peak Shortage (MW)	504	0	0	0	146	650
Energy Met (MU)	1209	1011	916	412	49	3598
Hydro Gen (MU)	299	16	49	94	29	487
Wind Gen (MU)	20	137	187	-----	-----	345
Solar Gen (MU)*	17.86	13.29	52.56	0.75	0.02	84
Energy Shortage (MU)	10.3	5.2	0.5	0.0	0.9	16.9
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	55999 22:31	44418 19:45	42566 19:39	20735 20:57	2544 19:30	163416 20:07

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	0.058	0.00	0.72	17.11	17.82	73.54	8.63

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	8709	0	183.5	126.8	-1.4	75	0.0
	Haryana	8634	0	182.3	139.3	2.2	235	0.0
	Rajasthan	9921	0	217.4	73.9	2.9	541	0.2
	Delhi	6193	0	122.0	97.4	-1.1	151	0.0
	UP	17994	0	387.8	181.6	1.2	310	0.0
	Uttarakhand	2012	0	43.2	11.7	2.1	289	0.0
	HP	1368	0	26.0	-2.4	5.3	492	0.0
	J&K	2208	552	42.2	18.6	-0.3	276	10.0
WR	Chandigarh	250	0	5.1	5.5	-0.4	17	0.0
	Chhattisgarh	3771	0	85.2	27.4	0.4	284	0.0
	Gujarat	14441	0	308.5	94.3	7.4	692	5.2
	MP	7263	0	159.4	70.2	-3.3	423	0.0
	Maharashtra	18622	0	411.5	108.5	2.4	669	0.0
	Goa	521	0	10.6	8.3	2.1	26	0.0
	DD	662	0	7.4	6.2	1.2	87	0.0
	DNH	770	0	17.8	16.9	0.9	96	0.0
SR	Essar steel	484	0	10.3	10.2	0.1	281	0.0
	Andhra Pradesh	7205	0	166.4	11.1	-0.2	433	0.0
	Telangana	7519	0	163.0	77.5	-0.6	442	0.0
	Karnataka	9158	0	193.2	60.8	-3.8	418	0.0
	Kerala	3493	0	69.3	46.8	0.5	176	0.5
	Tamil Nadu	14868	0	316.2	123.4	-2.6	370	0.0
	Pondy	380	0	7.9	8.1	-0.2	58	0.0
	ER	Bihar	4648	0	87.0	84.1	0.7	435
DVC		2845	0	66.4	-25.1	-1.9	395	0.0
Jharkhand		1081	0	22.4	17.2	0.1	185	0.0
Odisha		4063	0	77.8	36.7	2.7	450	0.0
West Bengal		8293	0	157.8	42.0	2.5	498	0.0
NER	Sikkim	86	0	1.2	1.4	-0.3	20	0.0
	Arunachal Pradesh	110	2	2.3	2.9	-0.6	0	0.1
	Assam	1621	124	30.5	24.3	1.1	152	0.7
	Manipur	167	1	2.2	2.6	-0.4	30	0.0
	Meghalaya	282	0	5.4	0.7	-0.1	38	0.0
	Mizoram	86	2	1.5	0.9	0.0	35	0.0
	Nagaland	110	4	2.2	2.2	-0.2	20	0.0
	Tripura	262	0	5.1	4.4	0.2	29	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	32.5	-4.9	-14.5
Day peak (MW)	1517.9	-338.9	-636.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	285.6	-256.5	65.2	-84.3	-5.0	5.0
Actual(MU)	287.2	-256.5	47.2	-77.9	-7.7	-7.5
O/D/U/D(MU)	1.7	0.0	-18.0	6.5	-2.7	-12.5

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4748	14676	8772	945	153	29294
State Sector	9520	18174	8270	6055	50	42069
Total	14268	32850	17042	7000	203	71362

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	516	477	492	417	8	1910
Hydro	299	16	50	94	29	488
Nuclear	27	0	45	0	0	72
Gas, Naptha & Diesel	43	13	24	0	23	103
RES (Wind, Solar, Biomass & Others)	50	151	271	1	0	472
Total	935	657	882	513	60	3046

Share of RES in total generation (%)	5.34	22.94	30.69	0.21	0.05	15.50
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	40.20	25.33	41.49	18.60	48.80	33.90

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-के०वि०एम०(पि०ए०)/
अध्यक्ष एवं प्रबंध निदेशक(सोमनाथ)/सभी राज्य के मुख्य सचिव/ऊर्जा सचिव

INTER-REGIONAL EXCHANGES

Date of Reporting : **6-Jul-18**

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

Sl 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	0	561	0.0	9.4	-9.4	
2		SASARAM-FATEHPUR	S/C	256	0	2.3	0.0	2.3	
3		GAYA-BALIA	S/C	0	402	0.0	7.5	-7.5	
4		ALIPURDUAR-AGRA	-	0	688	0.0	16.6	-16.6	
5	400 kV	PUSAULI B/B	S/C	0	377	0.0	9.2	-9.2	
6		PUSAULI-VARANASI	S/C	0	270	0.0	0.0	0.0	
7		PUSAULI -ALLAHABAD	S/C	0	175	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	786	0.0	15.8	-15.8	
9		PATNA-BALIA	Q/C	0	994	0.0	20.5	-20.5	
10		BIHARSHARIFF-BALIA	D/C	0	335	0.0	6.5	-6.5	
11		MOTIHARI-GORAKHPUR	D/C	288	1	4.2	0.0	4.2	
12		BIHARSHARIFF-VARANASI	D/C	860	0	0.0	2.6	-2.6	
13		220 kV	PUSAULI-SAHUPURI	S/C	0	192	0.0	3.8	-3.8
14			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	132 kV	KARMANASA-SAHUPURI	S/C	0	43	0.0	0.0	0.0	
17		KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0	
ER-NR						6.8	91.7	-84.9	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	921	0	14.5	0.0	14.5	
19		NEW RANCHI-DHARAMJAIGARH	D/C	646	0	10.9	0.0	10.9	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	943	0	15.5	0.0	15.5	
21		RANCHI-SIPAT	D/C	329	0	5.5	0.0	5.5	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	86	32	0.9	0.0	0.9	
23		BUDHIPADAR-KORBA	D/C	139	0	1.6	0.0	1.6	
ER-WR						48.9	0.0	48.9	
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	156.3	880.1	0.0	8.4	-8.4	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	416.8	0.0	9.8	-9.8	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1975.4	0.0	41.5	-41.5	
27	400 kV	TALCHER-I/C	D/C	798.3	0.8	1.0	9.0	-8.0	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	59.7	-59.7	
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	450	0.0	6.1	-6	
30		ALIPURDUAR-BONGAIGAON	D/C	232	158	1.0	0.0	1	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	125	0.0	1.6	-2	
ER-NER						1.0	7.7	-6.7	
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	702	0.0	16.8	-16.8	
NER-NR						0.0	16.8	-16.8	
Import/Export of WR (With NR)									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	0	0.0	13.4	-13.4	
34		V'CHAL B/B	D/C	0	0	3.9	0.0	3.9	
35		APL -MHG	D/C	0	0	0.0	33.6	-33.6	
36		GWALIOR-AGRA	D/C	0	0	0.0	52.6	-52.6	
37	765 kV	PHAGI-GWALIOR	D/C	0	0	0.0	22.2	-22.2	
38		JABALPUR-ORAI	D/C	0	0	0.0	0.0	0.0	
39		GWALIOR-ORAI	S/C	0	0	0.0	9.8	-9.8	
40		SATNA-ORAI	S/C	0	0	0.0	38.7	-38.7	
41		400 kV	ZERDA-KANKROLI	S/C	0	0	0.0	0.3	-0.3
42			ZERDA -BHINMAL	S/C	0	0	0.0	1.2	-1.2
43	V'CHAL -RIHAND		S/C	0	0	22.5	0.0	22.5	
44	220 kV	RAPP-SHUJALPUR	D/C	0	0	0	29	-29	
45		BADOD-KOTA	S/C	0	0	0.0	1.0	-1.0	
46		BADOD-MORAK	S/C	0	0	0.0	1.6	-1.6	
47		MEHGAON-AURAIYA	S/C	0	0	0.0	0.4	-0.3	
48		MALANPUR-AURAIYA	S/C	0	0	0.0	0.9	-0.9	
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						26.4	204.5	-178.0	
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	0	0.0	21.1	-21.1	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	0	0	7.1	0.0	7.1	
53		WARDHA-NIZAMABAD	D/C	0	0	0.0	31.4	-31.4	
54	400 kV	KOLHAPUR-KUDGI	D/C	0	0	12.2	0.0	12.2	
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	0	0	0.0	0.0	0.0	
WR-SR						19.3	52.4	-33.1	
TRANSNATIONAL EXCHANGE									
58		BHUTAN						32.5	
59		NEPAL						-4.9	
60		BANGLADESH						-14.5	