



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: 09th 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 08.06.2018.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 8 जुलाई 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 8th 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

9-Jul-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs: from RLDCs)	55492	41337	36097	18973	2581	154480
Peak Shortage (MW)	1004	0	0	0	107	1111
Energy Met (MU)	1365	990	812	427	50	3644
Hydro Gen (MU)	317	11	46	89	26	488
Wind Gen (MU)	35	110	209	-----	-----	354
Solar Gen (MU)*	19.14	16.54	32.32	0.92	0.02	69
Energy Shortage (MU)	14.6	0.0	0.0	0.0	1.2	15.7
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	60706 22:57	43322 11:39	37092 19:36	21038 21:39	2552 19:01	161638 21:18

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	0.034	0.00	0.03	7.26	7.29	83.76	8.95

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	11442	0	261.7	141.5	-0.7	96	0.0
	Haryana	9534	0	204.2	145.7	1.8	296	0.0
	Rajasthan	10497	305	233.1	74.5	1.1	352	0.4
	Delhi	6373	0	123.3	97.2	0.0	191	0.2
	UP	19237	180	424.5	202.2	2.0	541	2.1
	Uttarakhand	2039	0	44.2	17.5	1.4	211	0.0
	HP	1195	47	23.7	-0.2	0.8	196	1.2
	J&K	2175	544	45.2	21.1	-1.1	183	10.7
WR	Chandigarh	278	0	5.6	6.3	-0.7	0	0.0
	Chhattisgarh	3515	0	80.7	27.5	-2.8	198	0.0
	Gujarat	13667	0	312.4	94.3	5.9	887	0.0
	MP	7502	0	168.8	76.7	0.4	378	0.0
	Maharashtra	17209	0	383.1	102.8	-1.3	529	0.0
	Goa	351	0	8.2	7.5	0.0	33	0.0
	DD	304	0	6.9	5.8	1.1	93	0.0
	DNH	729	0	17.1	16.3	0.9	106	0.0
SR	Essar steel	606	0	12.5	12.5	0.1	256	0.0
	Andhra Pradesh	6593	0	152.2	14.1	1.0	441	0.0
	Telangana	6348	0	135.8	69.4	0.3	452	0.0
	Karnataka	7947	0	163.5	46.3	-4.2	357	0.0
	Kerala	2992	0	58.5	42.0	0.5	239	0.0
	Tamil Nadu	12991	0	294.9	90.6	0.6	520	0.0
	Pondy	346	0	7.3	7.5	-0.3	21	0.0
	ER	Bihar	4888	0	94.0	89.3	2.1	280
DVC		3273	0	69.5	-41.9	-0.2	311	0.0
Jharkhand		1135	0	23.3	17.9	-0.1	140	0.0
Odisha		3898	0	74.7	32.0	1.5	220	0.0
West Bengal		8147	0	164.9	46.6	4.0	310	0.0
Sikkim		70	0	0.9	1.3	-0.4	7	0.0
NER	Arunachal Pradesh	124	4	2.1	2.4	-0.3	13	0.0
	Assam	1642	69	31.4	24.3	1.3	168	1.0
	Manipur	160	5	2.3	2.6	-0.3	2	0.0
	Meghalaya	304	1	5.5	0.4	-0.1	34	0.0
	Mizoram	83	5	1.5	0.8	0.2	0	0.0
	Nagaland	111	4	2.3	2.2	-0.1	0	0.0
	Tripura	264	2	5.0	4.2	-0.4	42	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	26.9	-7.1	-14.1
Day peak (MW)	1455.7	-370.3	-684.3

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	324.0	-248.9	19.8	-92.2	-2.7	0.0
Actual(MU)	332.5	-262.2	9.3	-81.1	-5.1	-6.6
O/D/U/D(MU)	8.5	-13.3	-10.5	11.1	-2.4	-6.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5308	15457	8772	1365	146	31048
State Sector	6890	17696	10020	6055	50	40711
Total	12198	33153	18792	7420	196	71759

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	613	1041	422	440	8	2523
Hydro	317	11	47	89	26	490
Nuclear	27	29	46	0	0	102
Gas, Naptha & Diesel	38	49	24	0	24	135
RES (Wind, Solar, Biomass & Others)	64	127	276	1	0	469
Total	1060	1257	814	530	58	3719

Share of RES in total generation (%)	6.08	10.08	33.92	0.23	0.05	12.60
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	38.55	13.30	45.27	17.04	44.84	28.52

H. Diversity Factor

All India Demand Diversity Factor	1.019
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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(पि०प्र०)/
अध्यक्ष एवं प्रबंध निदेशक(पोसोको)/सभी राज्यों के मुख्य सचिव/ऊर्जा सचिव

महाप्रबंधक (रा० भा० प्रे० के०)

INTER-REGIONAL EXCHANGES

Date of Reporting : **9-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	607	0.0	10.8	-10.8	
2		SASARAM-FATEHPUR	S/C	261	12	2.6	0.0	2.6	
3		GAYA-BALIA	S/C	0	463	0.0	8.7	-8.7	
4		ALIPURDUAR-AGRA	-	0	686	0.0	16.4	-16.4	
5	400 kV	PUSAULI B/B	S/C	0	378	0.0	9.2	-9.2	
6		PUSAULI-VARANASI	S/C	0	256	0.0	0.0	0.0	
7		PUSAULI -ALLAHABAD	S/C	0	178	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	796	0.0	14.0	-14.0	
9		PATNA-BALIA	Q/C	0	959	0.0	19.9	-19.9	
10		BIHARSHARIFF-BALIA	D/C	0	362	0.0	6.0	-6.0	
11		MOTIHARI-GORAKHPUR	D/C	316	1	4.8	0.0	4.8	
12		BIHARSHARIFF-VARANASI	D/C	717	0	0.0	1.8	-1.8	
13		220 kV	PUSAULI-SAHUPURI	S/C	0	201	0.0	4.1	-4.1
14		132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15			GARWAH-RIHAND	S/C	35	0	0.4	0.0	0.4
16			KARMANASA-SAHUPURI	S/C	0	45	0.0	0.0	0.0
17	KARMANASA-CHANDAULI		S/C	0	0	0.0	0.0	0.0	
ER-NR						7.8	91.0	-83.2	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	553	0	6.8	0.0	6.8	
19		NEW RANCHI-DHARAMJAIGARH	D/C	763	0	10.2	0.0	10.2	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	816	0	10.1	0.0	10.1	
21		RANCHI-SIPAT	D/C	374	0	4.4	0.0	4.4	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	51	80	0.0	0.7	-0.7	
23		BUDHIPADAR-KORBA	D/C	119	0	1.9	0.0	1.9	
ER-WR						33.5	0.7	32.8	
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	101.0	902.9	0.0	9.8	-9.8	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	414.1	0.0	9.9	-9.9	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1955.7	0.0	26.3	-26.3	
27	400 kV	TALCHER-I/C	D/C	862.2	0.8	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	46.0	-46.0	
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	521	0.0	7.8	-8	
30		ALIPURDUAR-BONGAIGAON	D/C	183	239	0.0	0.4	0	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	126	0.0	1.8	-2	
ER-NER						0.0	9.9	-9.9	
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	701	0.0	17.1	-17.1	
NER-NR						0.0	17.1	-17.1	
Import/Export of WR (With NR)									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	62	1212	0.0	11.6	-11.6	
34		V'CHAL B/B	D/C	241	53	5.2	0.2	5.1	
35		APL -MHG	D/C	0	1916	0.0	48.4	-48.4	
36		GWALIOR-AGRA	D/C	0	1468	0.0	55.4	-55.4	
37	765 kV	PHAGI-GWALIOR	D/C	0	1539	0.0	30.9	-30.9	
38		JABALPUR-ORAI	D/C	0	0	0.0	0.0	0.0	
39		GWALIOR-ORAI	S/C	474	0	10.0	0.0	10.0	
40		SATNA-ORAI	S/C	0	1790	0.0	38.4	-38.4	
41		400 kV	ZERDA-KANKROLI	S/C	220	116	1.3	0.0	1.3
42			ZERDA -BHINMAL	S/C	180	117	0.6	0.0	0.6
43			V'CHAL -RIHAND	S/C	960	0	22.3	0.0	22.3
44			RAPP-SHUJALPUR	D/C	0	851	0	29	-29
45	220 kV	BADOD-KOTA	S/C	13	58	0.0	1.4	-1.4	
46		BADOD-MORAK	S/C	0	126	0.0	2.1	-2.1	
47		MEHGAON-AURAIYA	S/C	24	19	0.1	0.1	-0.1	
48	132kV	MALANPUR-AURAIYA	S/C	0	51	0.0	0.8	-0.8	
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						39.5	218.5	-179.0	
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	207	0.0	4.8	-4.8	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	1218	546	11.7	0.0	11.7	
53		WARDHA-NIZAMABAD	D/C	0	2514	0.0	54.3	-54.3	
54	400 kV	KOLHAPUR-KUDGI	D/C	862	0	14.1	0.0	14.1	
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	0	0	0.0	0.0	0.0	
WR-SR						25.7	59.1	-33.4	
TRANSNATIONAL EXCHANGE									
58		BHUTAN						26.9	
59		NEPAL						-7.1	
60		BANGLADESH						-14.1	