



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: 08th 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 07.07.2018.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 7 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 7th 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

8-Jul-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs: from RLDCs)	56832	44046	38142	19691	2772	161483
Peak Shortage (MW)	1983	0	0	0	101	2084
Energy Met (MU)	1353	1027	866	438	53	3738
Hydro Gen (MU)	300	20	47		26	485
Wind Gen (MU)	24	110	209	-----	-----	343
Solar Gen (MU)*	16.36	15.77	33.75	0.79	0.02	67
Energy Shortage (MU)	19.0	0.3	0.0	0.0	0.8	20.1
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	59858 22:55	45203 10:33	39511 19:19	21190 20:01	2953 19:18	165606 21:15

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	0.044	0.00	0.14	12.45	12.59	83.65	3.76

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	11479	0	254.3	139.0	-1.3	87	0.0	
	Haryana	9575	0	208.2	145.0	2.8	382	0.1	
	Rajasthan	10361	0	231.4	74.4	1.3	234	0.0	
	Delhi	6058	0	124.7	99.7	-1.2	170	0.1	
	UP	18051	340	412.2	188.9	3.7	480	5.5	
	Uttarakhand	2058	0	44.5	16.1	2.4	232	1.2	
	HP	1401	0	26.4	1.9	1.2	228	1.3	
	J&K	2198	550	45.8	20.5	0.0	279	10.8	
	Chandigarh	300	0	5.9	6.0	-0.1	31	0.0	
	WR	Chhattisgarh	3708	0	88.3	29.5	0.4	303	0.3
Gujarat		14512	0	321.6	97.9	3.9	715	0.0	
MP		7559	0	167.7	71.3	1.0	513	0.0	
Maharashtra		18326	0	403.2	112.7	-2.2	586	0.0	
Goa		404	0	8.9	7.9	0.3	48	0.0	
DD		334	0	7.6	6.3	1.2	79	0.0	
DNH		765	0	17.4	16.3	1.2	92	0.0	
Essar steel		630	0	12.8	12.0	0.8	313	0.0	
SR		Andhra Pradesh	6984	0	156.9	23.3	-1.0	473	0.0
		Telangana	6575	0	141.2	63.2	-0.6	558	0.0
	Karnataka	8739	0	183.7	59.6	-0.4	562	0.0	
	Kerala	3317	0	67.1	46.4	1.0	201	0.0	
	Tamil Nadu	14391	0	309.5	100.3	-3.3	716	0.0	
	Pondy	366	0	8.0	8.0	-0.1	39	0.0	
	ER	Bihar	4958	0	92.0	87.8	1.5	250	0.0
		DVC	3180	0	70.3	-41.9	-1.6	280	0.0
		Jharkhand	1234	0	24.0	18.3	0.3	180	0.0
		Odisha	3873	0	75.6	31.2	2.0	320	0.0
West Bengal		8555	0	174.4	52.9	5.0	380	0.0	
Sikkim		86	0	1.2	1.5	-0.3	0	0.0	
NER	Arunachal Pradesh	128	0	2.3	2.7	-0.4	75	0.0	
	Assam	1768	81	34.3	26.7	1.5	223	0.6	
	Manipur	166	2	2.5	2.6	-0.1	62	0.0	
	Meghalaya	305	0	5.5	0.6	-0.1	35	0.0	
	Mizoram	86	2	1.4	0.8	0.2	36	0.0	
	Nagaland	116	2	2.3	2.2	-0.1	14	0.0	
	Tripura	266	5	5.0	4.6	0.2	81	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	26.9	-5.6	-14.8
Day peak (MW)	1311.6	-430.4	-647.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	314.2	-252.2	32.6	-91.1	-2.4	1.1
Actual(MU)	325.0	-258.7	13.8	-79.0	-3.5	-2.3
O/D/U/D(MU)	10.8	-6.5	-18.8	12.1	-1.1	-3.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5008	14957	8772	1365	121	30223
State Sector	7140	18413	10170	5555	50	41328
Total	12148	33370	18942	6920	171	71550

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	627	1075	470	446	10	2627
Hydro	300	20	49	92	26	487
Nuclear	27	29	45	0	0	102
Gas, Naptha & Diesel	41	51	24	0	24	140
RES (Wind, Solar, Biomass & Others)	53	125	277	1	0	456
Total	1047	1301	865	539	60	3812

Share of RES in total generation (%)	5.04	9.63	32.06	0.20	0.06	11.97
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	36.25	13.42	42.92	17.24	44.01	27.41

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(पारंपर्य)/(ओ एम)/निदेशक(ओ एम)/मुख्य अभियंता.के०वि०प्रा०(पि०प्र०)/
अध्यक्ष एवं प्रबंध निदेशक(पोसोको)/सभी राज्यों के मुख्य सचिव/ऊर्जा सचिव

महाप्रबंधक (रा० भा० प्र० के०)

INTER-REGIONAL EXCHANGES

Date of Reporting : **8-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	554	0.0	10.2	-10.2	
2		SASARAM-FATEHPUR	S/C	280	13	3.0	0.0	3.0	
3		GAYA-BALIA	S/C	0	429	0.0	7.9	-7.9	
4		ALIPURDUAR-AGRA	-	0	725	0.0	18.5	-18.5	
5	HVDC	PUSAULI B/B	S/C	0	378	0.0	9.2	-9.2	
6	400 kV	PUSAULI-VARANASI	S/C	0	255	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	13.3	-13.3	
9		PATNA-BALIA	Q/C	0	983	0.0	17.9	-17.9	
10		BIHARSHARIFF-BALIA	D/C	0	329	0.0	5.6	-5.6	
11		MOTIHARI-GORAKHPUR	D/C	302	2	4.0	0.0	4.0	
12		BIHARSHARIFF-VARANASI	D/C	712	0	0.0	1.7	-1.7	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	212	0.0	4.4	-4.4	
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	45	0.0	0.0	0.0	
17		KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0	
ER-NR						7.3	88.7	-81.4	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	499	2	7.4	0.0	7.4	
19		NEW RANCHI-DHARAMJAIGARH	D/C	761	0	10.6	0.0	10.6	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	695	0	9.8	0.0	9.8	
21		RANCHI-SIPAT	D/C	337	0	5.2	0.0	5.2	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	24	123	0.0	0.9	-0.9	
23		BUDHIPADAR-KORBA	D/C	118	0	1.9	0.0	1.9	
ER-WR						34.9	0.9	34.0	
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1044.8	0.0	10.9	-10.9	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	411.4	0.0	9.8	-9.8	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1189.6	0.0	26.7	-26.7	
27	400 kV	TALCHER-I/C	D/C	1016.7	0.8	0.0	13.8	-13.8	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	47.4	-47.4	
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	569	0.0	8.3	-8	
30		ALIPURDUAR-BONGAIGAON	D/C	155	261	0.0	1.1	-1	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	137	0.0	2.2	-2	
ER-NER						0.0	11.6	-11.6	
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	701	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	178	1156	0.0	9.1	-9.1	
34		V'CHAL B/B	D/C	241	252	2.3	3.7	-1.5	
35		APL -MHG	D/C	0	2097	0.0	50.2	-50.2	
36		GWALIOR-AGRA	D/C	0	1465	0.0	57.9	-57.9	
37	765 kV	PHAGI-GWALIOR	D/C	0	1476	0.0	30.9	-30.9	
38		JABALPUR-ORAI	D/C	0	0	0.0	0.0	0.0	
39		GWALIOR-ORAI	S/C	465	0	10.1	0.0	10.1	
40		SATNA-ORAI	S/C	0	1800	0.0	40.4	-40.4	
41		400 kV	ZERDA-KANKROLI	S/C	222	63	1.2	0.0	1.2
42			ZERDA -BHINMAL	S/C	192	80	0.3	0.0	0.3
43	V'CHAL -RIHAND		S/C	971	0	22.4	0.0	22.4	
44	RAPP-SHUJALPUR		D/C	0	796	0	30	-30	
45	220 kV	BADOD-KOTA	S/C	4	45	0.0	1.0	-1.0	
46		BADOD-MORAK	S/C	0	124	0.0	1.7	-1.7	
47		MEHGAON-AURAIYA	S/C	20	35	0.0	0.3	-0.3	
48	132kV	MALANPUR-AURAIYA	S/C	0	56	0.0	0.9	-0.9	
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						36.2	225.7	-189.4	
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	617	0.0	13.1	-13.1	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	1555	553	10.9	0.0	10.9	
53		WARDHA-NIZAMABAD	D/C	0	2511	0.0	42.2	-42.2	
54	400 kV	KOLHAPUR-KUDGI	D/C	986	0	13.8	0.0	13.8	
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						24.7	55.3	-30.6	
TRANSNATIONAL EXCHANGE									
58		BHUTAN						26.9	
59		NEPAL						-5.6	
60		BANGLADESH						-14.8	