



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: 10th July 2019

To,

1. कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के., 14, गोल्फ क्लब रोड, कोलकाता - 700033
Executive Director, ERLDC, 14 Golf Club Road, Tollygunge, Kolkata, 700033
2. कार्यकारी निदेशक, ऊ.क्षे.भा.प्रे.के., 18/ ए, शहीद जीत सिंह सनसनवाल मार्ग, नई दिल्ली - 110016
Executive Director, 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. मुख्य महाप्रबंधक, ऊ.पू.क्षे.भा.प्रे.के., डोंगतिह, लोअर नोंग्रह, लापलंग, शिलोंग - 793006
Chief General Manager, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
5. कार्यकारी निदेशक, द.क्षे.भा.प्रे.के., 29, रेस कोर्स क्रॉस रोड, बंगलुरु -560009
Executive Director, SRLDC, 29, Race Course Cross Road, Bangalore-560009

Sub: Daily PSP Report for the date 09.07.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 09-जुलाई-2019 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 09th July 2019, 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

10-Jul-19

A. Power Supply Position at All India and Regional level

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs)	54594	45581	40625	19591	2632	163023
Peak Shortage (MW)	469	0	99	0	190	758
Energy Met (MU)	1258	1035	963	416	48	3721
Hydro Gen (MU)	341	16	36	124	28	545
Wind Gen (MU)	64	153	205	-----	-----	422
Solar Gen (MU)*	22.31	19.2	66.78	1.71	0.01	110
Energy Shortage (MU)	9.9	0.0	0.0	0.0	2.2	12.1
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	60124 00:12	47140 19:46	41991 06:54	20852 20:34	2648 19:41	167482 20:14

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	0.039	0.00	0.28	1.17	1.45	65.21	33.34

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	12446	0	268.9	149.9	-2.3	27	0.0
	Haryana	9675	0	207.9	159.9	0.9	281	0.0
	Rajasthan	10437	0	225.8	52.6	-1.1	272	0.0
	Delhi	6172	0	113.4	103.9	-0.1	193	0.0
	UP	16908	0	325.6	158.9	-1.4	820	0.0
	Uttarakhand	1933	0	41.9	14.0	-0.3	96	0.0
	HP	1289	0	28.2	-0.8	-0.6	25	0.1
	J&K	2033	508	40.8	18.9	0.4	248	9.7
WR	Chandigarh	284	0	6.0	7.0	-1.1	25	0.0
	Chhattisgarh	3755	0	83.4	23.5	-0.6	268	0.0
	Gujarat	15026	0	340.4	73.6	5.6	1115	0.0
	MP	7822	0	165.3	63.4	0.0	723	0.0
	Maharashtra	18266	0	402.8	114.9	4.2	430	0.0
	Goa	541	0	11.6	11.5	-0.5	35	0.0
	DD	335	0	7.6	7.0	0.6	92	0.0
	DNH	788	0	18.6	18.9	-0.3	121	0.0
SR	Essar steel	359	0	5.6	5.8	-0.2	333	0.0
	Andhra Pradesh	9063	0	188.4	8.4	1.1	704	0.0
	Telangana	7522	0	164.2	65.8	0.8	619	0.0
	Karnataka	10380	0	195.2	54.2	0.6	500	0.0
	Kerala	3326	0	68.6	58.2	2.7	279	0.0
	Tamil Nadu	15018	0	338.4	147.9	1.2	673	0.0
	Pondy	403	0	8.3	8.5	-0.2	50	0.0
	ER	Bihar	4348	0	69.9	67.4	-1.3	325
DVC		2986	0	65.5	-41.9	-0.2	345	0.0
Jharkhand		1097	0	23.2	16.0	-1.0	185	0.0
Odisha		3974	0	85.1	31.9	1.9	402	0.0
West Bengal		8036	0	170.8	68.3	5.0	435	0.0
Sikkim		92	0	1.3	1.3	-0.1	20	0.0
NER	Arunachal Pradesh	121	2	2.3	3.1	-0.9	19	0.0
	Assam	1663	134	28.7	22.3	1.1	115	2.1
	Manipur	163	3	2.5	2.5	0.1	29	0.0
	Meghalaya	321	0	6.0	1.2	-0.1	88	0.0
	Mizoram	92	2	1.8	1.4	0.2	12	0.0
	Nagaland	128	1	2.3	2.2	0.0	33	0.0
	Tripura	246	1	4.6	3.6	0.2	61	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	43.7	-5.0	-25.6
Day peak (MW)	1933.1	-355.0	-1107.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	281.3	-272.4	65.6	-66.2	-10.1	-1.9
Actual(MU)	262.8	-265.6	93.3	-82.1	-10.8	-2.3
O/D/U/D(MU)	-18.5	6.8	27.8	-15.8	-0.7	-0.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5510	17971	9652	2420	56	35608
State Sector	8675	18284	7720	4460	50	39189
Total	14185	36255	17372	6880	106	74797

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	503	1016	429	397	8	2353
Lignite	18	14	33	0	0	65
Hydro	341	17	36	124	28	545
Nuclear	27	29	23	0	0	79
Gas, Naptha & Diesel	20	40	15	0	28	103
RES (Wind, Solar, Biomass & Others)	102	180	309	2	0	593
Total	1010	1296	845	523	64	3738

Share of RES in total generation (%)	10.05	13.92	36.58	0.33	0.02	15.86
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	46.48	17.44	43.49	24.00	44.27	32.56

H. Diversity Factor

All India Demand Diversity Factor	1.031
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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.

INTER-REGIONAL EXCHANGES								Date of Reporting :	10-Jul-19
Sl 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	0	515	0.0	4.6	-4.6	
2		SASARAM-FATEHPUR	S/C	139	192	0.0	0.0	0.0	
3		GAYA-BALIA	S/C	0	381	0.0	5.1	-5.1	
4	HVDC	ALIPURDUAR-AGRA	-	0	1851	0.0	39.0	-39.0	
5		PUSAULI B/B	S/C	0	346	0.0	8.0	-8.0	
6	400 kV	PUSAULI-VARANASI	S/C	0	254	0.0	5.2	-5.2	
7		PUSAULI -ALLAHABAD	S/C	0	167	0.0	2.8	-2.8	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	644	0.0	9.2	-9.2	
9		PATNA-BALIA	Q/C	0	897	0.0	14.7	-14.7	
10		BIHARSHARIFF-BALIA	D/C	0	276	0.0	4.2	-4.2	
11		MOTIHARI-GORAKHPUR	D/C	112	241	0.0	0.2	-0.2	
12		BIHARSHARIFF-VARANASI	D/C	97	151	0.1	0.0	0.1	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	158	0.0	2.1	-2.1	
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
15		GARWAH-RIHAND	S/C	30	0	0.4	0.0	0.4	
16		KARMANASA-SAHUPURI	S/C	0	0	0.0	0.0	0.0	
17		KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0	
ER-NR						0.5	95.3	-94.8	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1809	0	35.7	0.0	35.7	
19		NEW RANCHI-DHARAMJAIGARH	D/C	878	106	13.3	0.0	13.3	
20		JHARSUGUDA-DURG	D/C	301	2	4.8	0.0	4.8	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	460	0	6.7	0.0	6.7	
22		RANCHI-SIPAT	D/C	366	0	5.3	0.0	5.3	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	69	0.0	0.9	-0.9	
24		BUDHIPADAR-KORBA	D/C	239	0	4.6	0.0	4.6	
ER-WR						70.2	0.9	69.3	
Import/Export of ER (With SR)									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1706.0	0.0	19.4	-19.4	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	415.0	0.0	9.9	-9.9	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1985.0	0.0	47.9	-47.9	
28	400 kV	TALCHER-I/C	D/C	0.0	1451.0	0.0	27.8	-27.8	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	77.2	-77.2	
Import/Export of ER (With NER)									
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	618	0.0	8.8	-9	
31		ALIPURDUAR-BONGAIGAON	D/C	391	174	4.5	0.0	5	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	106	0.0	1.1	-1	
ER-NER						4.5	10.0	-5.5	
Import/Export of NER (With NR)									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	1003	0.0	18.5	-18.5	
NER-NR						0.0	18.5	-18.5	
Import/Export of WR (With NR)									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	18383	2503	0.0	36.2	-36.2	
35		V'CHAL B/B	D/C	0	398	0.0	7.9	-7.9	
36		APL -MHG	D/C	0	1546	0.0	31.8	-31.8	
37	765 kV	GWALIOR-AGRA	D/C	0	2025	0.0	35.5	-35.5	
38		PHAGI-GWALIOR	D/C	0	1056	0.0	20.2	-20.2	
39		JABALPUR-ORAI	D/C	0	805	0.0	28.8	-28.8	
40		GWALIOR-ORAI	S/C	388	0	6.3	0.0	6.3	
41		SATNA-ORAI	S/C	0	1260	0.0	26.3	-26.3	
42		CHITTORGARH-BANASKANTHA	D/C	63	780	0.0	4.6	4.6	
43		ZERDA-KANKROLI	S/C	143	45	1.6	0.0	1.5	
44	400 kV	ZERDA -BHINMAL	S/C	372	0	5.7	0.0	5.7	
45		V'CHAL -RIHAND	S/C	965	0	22.2	0.0	22.2	
46	220 kV	RAPP-SHUJALPUR	D/C	73	248	0	1	-1	
47		BHANPURA-RANPUR	S/C	48	65	0.2	0.4	-0.2	
48		BHANPURA-MORAK	S/C	0	152	0.0	2.3	-2.3	
49		MEHGAON-AURAIYA	S/C	63	2	0.5	0.0	0.5	
50		MALANPUR-AURAIYA	S/C	40	28	0.1	0.1	0.0	
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						36.6	195.2	-149.4	
Import/Export of WR (With SR)									
52	HVDC	BHADRAWATI B/B	-	0	999	0.0	18.6	-18.6	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	796	1439	0.0	5.3	-5.3	
55		WARDHA-NIZAMABAD	D/C	55	2166	0.0	18.9	-18.9	
56	400 kV	KOLHAPUR-KUDGI	D/C	744	107	7.8	0.0	7.8	
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58		PONDA-AMBEWADI	S/C	0	77	0.0	1.5	-1.5	
59		XELDEM-AMBEWADI	S/C	0	44	0.9	0.0	0.9	
WR-SR						8.7	44.2	-35.6	
TRANSNATIONAL EXCHANGE									
60		BHUTAN						43.7	
61		NEPAL						-5.0	
62		BANGLADESH						-25.6	