



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: 08th 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., डोंगतेिह, 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 07.07.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 07-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 07th July 2019, is available at the NLDC website.

धन्यवाद,

Report for previous day

Date of Reporting

8-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)	54296	41390	38126	17912	2474	154198
Peak Shortage (MW)	506	0	0	0	215	721
Energy Met (MU)	1284	949	887	397	45	3562
Hydro Gen (MU)	370	12	30	112	22	546
Wind Gen (MU)	39	143	197	-----	-----	379
Solar Gen (MU)*	26.00	16.70	64.70	1.78	0.10	109
Energy Shortage (MU)	14.6	0.0	0.0	0.0	3.0	17.6
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	59460 22:22	42663 19:57	38415 21:15	20304 20:59	2481 19:26	161583 21:17

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	0.063	0.00	0.00	2.75	2.75	61.89	35.36

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	12166	0	270.0	150.1	-1.5	26	0.0
	Haryana	9206	0	199.5	157.6	0.3	268	0.0
	Rajasthan	9097	0	201.3	49.4	0.9	455	0.0
	Delhi	6192	0	119.6	99.7	-0.5	179	0.0
	UP	18607	0	377.9	180.4	-0.1	557	3.0
	Uttarakhand	1893	0	42.2	13.9	0.6	202	0.0
	HP	1176	0	25.0	-2.6	-1.2	130	1.5
	J&K	2144	536	43.0	19.9	1.5	348	10.2
WR	Chandigarh	298	0	5.6	6.6	-1.0	0	0.0
	Chhattisgarh	3494	0	79.0	21.3	-0.5	419	0.0
	Gujarat	13331	0	305.1	68.8	4.8	655	0.0
	MP	7209	0	157.1	64.3	-0.1	525	0.0
	Maharashtra	16561	0	367.1	87.5	3.3	804	0.0
	Goa	541	0	10.5	9.6	0.3	55	0.0
	DD	326	0	6.7	6.5	0.2	39	0.0
	DNH	771	0	17.3	17.5	-0.2	53	0.0
SR	Essar steel	374	0	6.7	6.7	0.0	304	0.0
	Andhra Pradesh	8103	0	175.1	2.2	0.7	662	0.0
	Telangana	6863	0	147.3	57.6	0.7	600	0.0
	Karnataka	8902	0	172.9	49.0	-2.0	471	0.0
	Kerala	3379	0	65.4	51.7	3.2	358	0.0
	Tamil Nadu	13642	0	317.2	137.0	0.6	798	0.0
	Pondy	423	0	8.7	8.8	-0.1	48	0.0
	Bihar	4914	0	83.7	78.1	2.0	150	0.0
ER	DVC	3058	0	65.3	-37.4	1.0	300	0.0
	Jharkhand	1016	0	21.5	13.5	-1.5	100	0.0
	Odisha	3877	0	80.6	30.9	1.3	250	0.0
	West Bengal	7648	0	144.9	43.6	0.0	350	0.0
	Sikkim	72	0	0.8	1.1	-0.2	20	0.0
	Arunachal Pradesh	125	2	2.2	2.9	-0.7	66	0.0
	Assam	1523	194	26.8	20.8	1.4	153	3.0
	Manipur	157	3	2.4	2.4	0.0	25	0.0
NER	Meghalaya	317	0	5.9	2.9	-0.6	153	0.0
	Mizoram	76	2	1.4	1.5	-0.3	9	0.0
	Nagaland	118	2	2.1	2.2	-0.4	71	0.0
	Tripura	253	0	4.3	3.6	-0.3	53	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	32.5	-6.7	-23.9
Day peak (MW)	1747.0	-500.0	-1110.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	283.0	-256.8	39.5	-63.3	-2.0	0.3
Actual(MU)	276.0	-265.9	59.8	-69.0	-4.5	-3.6
O/D/U/D(MU)	-6.9	-9.1	20.3	-5.7	-2.5	-3.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5010	18625	9442	3170	306	36553
State Sector	9275	16579	8400	4310	50	38614
Total	14285	35204	17842	7480	356	75166

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	503	959	396	372	6	2236
Lignite	18	15	40	0	0	72
Hydro	370	12	30	112	22	546
Nuclear	27	27	55	0	0	110
Gas, Naptha & Diesel	30	35	16	0	26	106
RES (Wind, Solar, Biomass & Others)	79	166	298	2	0	545
Total	1027	1214	835	485	55	3616

Share of RES in total generation (%)	7.69	13.69	35.75	0.37	0.18	15.08
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	46.40	16.92	45.92	23.47	41.21	33.23

H. Diversity Factor

All India Demand Diversity Factor	1.011
-----------------------------------	-------

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 : 8-Jul-19

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	536	0.0	8.4	-8.4	
2		SASARAM-FATEHPUR	S/C	261	56	3.0	0.0	3.0	
3		GAYA-BALIA	S/C	0	541	0.0	9.6	-9.6	
4		ALIPURDUAR-AGRA	-	0	1304	0.0	28.4	-28.4	
5		PUSAULI B/B	S/C	0	346	0.0	8.6	-8.6	
6	400 kV	PUSAULI-VARANASI	S/C	0	258	0.0	5.6	-5.6	
7		PUSAULI -ALLAHABAD	S/C	0	152	0.0	3.0	-3.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	865	0.0	13.4	-13.4	
9		PATNA-BALIA	Q/C	0	1008	0.0	16.3	-16.3	
10		BIHARSHARIFF-BALIA	D/C	0	387	0.0	6.2	-6.2	
11		MOTIHARI-GORAKHPUR	D/C	284	12	4.5	0.0	4.5	
12	220 kV	BIHARSHARIFF-VARANASI	D/C	114	158	0.1	0.0	0.1	
13		PUSAULI-SAHUPURI	S/C	0	169	0.0	3.1	-3.1	
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						7.9	102.6	-94.7	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMAJGARH	Q/C	1914	0	33.5	0.0	33.5	
19		NEW RANCHI-DHARAMAJGARH	D/C	975	0	16.5	0.0	16.5	
20		JHARSUGUDA-DURG	D/C	337	0	5.9	0.0	5.9	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	495	0	9.2	0.0	9.2	
22		RANCHI-SIPAT	D/C	387	0	7.6	0.0	7.6	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	67	0.0	0.9	-0.9	
24		BUDHIPADAR-KORBA	D/C	217	0	4.4	0.0	4.4	
ER-WR						77.0	0.9	76.2	
Import/Export of ER (With SR)									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1556.0	0.0	16.5	-16.5	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	414.0	0.0	9.9	-9.9	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1980.0	0.0	40.2	-40.2	
28	400 kV	TALCHER-I/C	D/C	0.0	1505.0	0.0	23.7	-23.7	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	66.7	-66.7	
Import/Export of ER (With NER)									
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	603	0.0	10.0	-10	
31		ALIPURDUAR-BONGAIGAON	D/C	247	248	0.4	0.0	0	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	128	0.0	1.4	-1	
ER-NER						0.4	11.4	-11.0	
Import/Export of NER (With NR)									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	704	0.0	16.7	-16.7	
NER-NR						0.0	16.7	-16.7	
Import/Export of WR (With NR)									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	2002	0.0	35.0	-35.0	
35		V'CHAL B/B	D/C	453	255	6.7	0.0	6.7	
36		APL -MHG	D/C	0	1733	0.0	36.3	-36.3	
37	765 kV	GWALIOR-AGRA	D/C	0	2723	0.0	45.3	-45.3	
38		PHAGI-GWALIOR	D/C	0	1147	0.0	22.0	-22.0	
39		JABALPUR-ORAI	D/C	0	984	0.0	34.5	-34.5	
40		GWALIOR-ORAI	S/C	578	0	8.6	0.0	8.6	
41		SATNA-ORAI	S/C	0	1390	0.0	29.8	-29.8	
42		CHITTORGARH-BANASKANTHA	D/C	111	614	0.0	4.5	4.5	
43	400 kV	ZERDA-KANKROLI	S/C	119	45	0.7	0.2	0.5	
44		ZERDA -BHINMAL	S/C	251	43	2.6	0.1	2.6	
45		V'CHAL -RIHAND	S/C	964	0	22.0	0.0	22.0	
46		RAPP-SHUJALPUR	D/C	43	326	0	2	-2	
47	220 kV	BHANPURA-RANPUR	S/C	12	55	0.0	0.6	-0.6	
48		BHANPURA-MORAK	S/C	0	141	0.0	2.0	-2.0	
49		MEHGAON-AURAIYA	S/C	50	8	0.3	0.0	0.3	
50		MALANPUR-AURAIYA	S/C	19	40	0.0	0.4	-0.4	
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						41.0	213.0	-163.0	
Import/Export of WR (With SR)									
52	HVDC	BHADRAWATI B/B	-	90	305	1.3	3.4	-2.2	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	1266	1057	1.0	0.0	1.0	
55		WARDHA-NIZAMABAD	D/C	280	1884	0.0	18.0	-18.0	
56	400 kV	KOLHAPUR-KUDGI	D/C	924	0	9.7	0.0	9.7	
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58		PONDA-AMBEWADI	S/C	0	84	0.0	1.3	-1.3	
59		XELDEM-AMBEWADI	S/C	0	48	0.8	0.0	0.8	
WR-SR						12.8	22.8	-10.0	
TRANSNATIONAL EXCHANGE									
60		BHUTAN						32.5	
61		NEPAL						-6.7	
62		BANGLADESH						-23.9	