



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: 07th 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 06.07.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 06-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 06th 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

7-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)	55806	42574	41051	19112	2325	160868
Peak Shortage (MW)	485	0	0	0	474	959
Energy Met (MU)	1308	979	932	431	50	3700
Hydro Gen (MU)	351	14	29	104	17	515
Wind Gen (MU)	44	152	197	-----	-----	394
Solar Gen (MU)*	24.94	12.2	59.90	2.12	0.11	99
Energy Shortage (MU)	9.7	0.0	0.0	0.0	2.6	12.3
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	59317 23:13	44434 19:45	41368 19:45	21007 00:00	2337 20:24	165983 20:45

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	0.036	0.00	0.00	3.81	3.81	68.39	27.80

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	12418	0	271.4	148.7	-2.0	36	0.0
	Haryana	9633	0	210.4	160.2	0.5	253	0.0
	Rajasthan	9814	0	218.1	53.3	-0.8	300	0.0
	Delhi	5908	0	122.3	102.5	0.3	214	0.0
	UP	19040	0	364.9	174.0	1.8	805	0.0
	Uttarakhand	2021	0	44.2	19.1	-0.1	101	0.0
	HP	1427	0	29.9	1.1	-0.3	83	0.0
	J&K	2029	507	41.0	18.9	-2.5	181	9.7
WR	Chandigarh	312	0	6.0	7.1	-1.1	0	0.0
	Chhattisgarh	3373	0	77.9	17.8	-1.1	220	0.0
	Gujarat	14561	0	321.8	67.0	3.1	685	0.0
	MP	7030	0	154.9	65.5	0.0	674	0.0
	Maharashtra	17150	0	382.6	99.3	6.6	522	0.0
	Goa	541	0	10.0	11.0	-1.6	54	0.0
	DD	327	0	7.5	7.0	0.5	36	0.0
	DNH	800	0	18.6	18.9	-0.3	51	0.0
SR	Essar steel	326	0	5.5	5.9	-0.4	276	0.0
	Andhra Pradesh	8288	0	179.4	-0.3	0.8	477	0.0
	Telangana	7073	0	150.4	58.3	0.9	447	0.0
	Karnataka	9235	0	183.5	54.3	1.4	425	0.0
	Kerala	3554	0	72.7	60.9	2.8	317	0.0
	Tamil Nadu	15402	0	336.3	163.4	1.0	452	0.0
	Pondy	444	0	9.5	9.4	0.1	50	0.0
	ER	Bihar	5339	0	101.6	98.3	-1.2	0
DVC		3046	0	64.0	-34.4	-0.5	180	0.0
Jharkhand		1020	0	22.6	16.9	-1.1	80	0.0
Odisha		3986	0	79.7	28.3	0.9	160	0.0
West Bengal		8253	0	161.8	59.3	-0.2	210	0.0
Sikkim		89	0	1.0	1.2	-0.2	12	0.0
NER	Arunachal Pradesh	124	2	2.1	2.5	-0.4	49	0.0
	Assam	1457	20	30.9	26.0	1.1	161	2.5
	Manipur	168	1	2.3	2.4	-0.1	18	0.0
	Meghalaya	312	0	5.6	2.5	-0.2	49	0.0
	Mizoram	88	2	1.7	1.4	0.0	25	0.0
	Nagaland	143	2	2.0	2.3	-0.4	60	0.0
	Tripura	245	5	5.2	3.5	0.0	39	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	29.8	-8.2	-23.2
Day peak (MW)	1503.6	-479.6	-1079.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	294.2	-283.3	46.1	-57.1	0.7	0.6
Actual(MU)	284.1	-297.4	74.7	-58.2	-0.9	2.4
O/D/U/D(MU)	-10.1	-14.1	28.6	-1.1	-1.6	1.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5070	17005	9192	1970	131	33368
State Sector	8780	16664	8400	4350	50	38244
Total	13850	33669	17592	6320	181	71611

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	540	1017	429	412	10	2408
Lignite	17	15	46	0	0	78
Hydro	351	14	29	104	17	515
Nuclear	28	27	55	0	0	110
Gas, Naptha & Diesel	29	40	14	0	28	110
RES (Wind, Solar, Biomass & Others)	83	171	291	2	0	548
Total	1048	1285	864	517	55	3769

Share of RES in total generation (%)	7.95	13.35	33.64	0.41	0.20	14.53
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	44.11	16.54	43.40	20.44	31.17	31.11

H. Diversity Factor

All India Demand Diversity Factor	1.015
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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 :	7-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	474	0.0	5.5	-5.5	
2		SASARAM-FATEHPUR	S/C	295	0	4.5	0.0	4.5	
3		GAYA-BALIA	S/C	0	542	0.0	9.7	-9.7	
4	HVDC	ALIPURDUAR-AGRA	-	0	1305	0.0	29.0	-29.0	
5		PUSAULI B/B	S/C	0	346	0.0	8.3	-8.3	
6	400 kV	PUSAULI-VARANASI	S/C	0	273	0.0	5.7	-5.7	
7		PUSAULI -ALLAHABAD	S/C	0	132	0.0	2.3	-2.3	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	577	0.0	8.6	-8.6	
9		PATNA-BALIA	Q/C	0	955	0.0	13.3	-13.3	
10		BIHARSHARIFF-BALIA	D/C	0	354	0.0	6.6	-6.6	
11		MOTIHARI-GORAKHPUR	D/C	334	0	5.2	0.0	5.2	
12		BIHARSHARIFF-VARANASI	D/C	211	69	1.8	0.0	1.8	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	175	0.0	3.5	-3.5	
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
15		GARWAH-RIHAND	S/C	30	0	0.5	0.0	0.5	
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	12.0	92.5	-80.5
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1569	0	28.5	0.0	28.5	
19		NEW RANCHI-DHARAMJAIGARH	D/C	1220	0	21.6	0.0	21.6	
20		JHARSUGUDA-DURG	D/C	314	0	4.6	0.0	4.6	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	569	0	9.4	0.0	9.4	
22		RANCHI-SIPAT	D/C	488	0	8.8	0.0	8.8	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	20	71	0.0	0.6	-0.6	
24		BUDHIPADAR-KORBA	D/C	263	0	5.1	0.0	5.1	
						ER-WR	77.8	0.6	77.2
Import/Export of ER (With SR)									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1772.0	0.0	25.8	-25.8	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	313.0	0.0	7.4	-7.4	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1984.0	0.0	45.8	-45.8	
28	400 kV	TALCHER-I/C	D/C	0.0	1232.0	0.0	17.5	-17.5	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
						ER-SR	0.0	79.0	-79.0
Import/Export of ER (With NER)									
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	595	0.0	10.2	-10	
31		ALIPURDUAR-BONGAIGAON	D/C	376	142	1.1	0.0	1	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	3	100	0.0	1.6	-2	
						ER-NER	1.1	11.8	-10.7
Import/Export of NER (With NR)									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	503	0.0	12.3	-12.3	
						NER-NR	0.0	12.3	-12.3
Import/Export of WR (With NR)									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	2000	0.0	39.3	-39.3	
35		V'CHAL B/B	D/C	319	493	4.2	5.2	-0.9	
36		APL -MHG	D/C	0	1732	0.0	43.6	-43.6	
37	765 kV	GWALIOR-AGRA	D/C	0	2769	0.0	48.5	-48.5	
38		PHAGI-GWALIOR	D/C	0	1184	0.0	21.8	-21.8	
39		JABALPUR-ORAI	D/C	0	919	0.0	33.9	-33.9	
40		GWALIOR-ORAI	S/C	594	0	8.4	0.0	8.4	
41		SATNA-ORAI	S/C	0	1457	0.0	29.8	-29.8	
42		CHITTORGARH-BANASKANTHA	D/C	74	738	0.0	5.4	5.4	
43		ZERDA-KANKROLI	S/C	131	86	0.9	0.3	0.6	
44	400 kV	ZERDA -BHINMAL	S/C	266	45	3.5	0.0	3.5	
45		V'CHAL -RIHAND	S/C	977	0	22.2	0.0	22.2	
46		RAPP-SHUJALPUR	D/C	23	336	0	2	-2	
47	220 kV	BHANPURA-RANPUR	S/C	14	50	0.0	0.5	-0.5	
48		BHANPURA-MORAK	S/C	0	104	0.0	1.3	-1.3	
49		MEHGAON-AURAIYA	S/C	31	31	0.1	0.3	-0.2	
50		MALANPUR-AURAIYA	S/C	10	56	0.0	0.7	-0.6	
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						WR-NR	39.3	232.3	-182.1
Import/Export of WR (With SR)									
52	HVDC	BHADRAWATI B/B	-	0	505	0.0	9.5	-9.5	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	980	1418	0.0	6.2	-6.2	
55		WARDHA-NIZAMABAD	D/C	169	1801	0.0	20.2	-20.2	
56	400 kV	KOLHAPUR-KUDGI	D/C	989	87	9.6	0.0	9.6	
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58		PONDA-AMBEWADI	S/C	0	78	0.0	1.4	-1.4	
59		XELDEM-AMBEWADI	S/C	0	45	0.8	0.0	0.8	
						WR-SR	10.4	37.3	-26.8
TRANSNATIONAL EXCHANGE									
60		BHUTAN						29.8	
61		NEPAL						-8.2	
62		BANGLADESH						-23.2	