



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: 27th 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 26.07.2019.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 26-जुलाई-2019 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 26th 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

27-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)	52218	44894	39171	20289	2784	159356
Peak Shortage (MW)	441	0	0	0	111	552
Energy Met (MU)	1200	1065	882	443	51	3641
Hydro Gen (MU)	328	16	38	126	30	538
Wind Gen (MU)	41	177	152	-----	-----	370
Solar Gen (MU)*	18.60	12.2	45.01	1.70	0.03	78
Energy Shortage (MU)	11.3	0.0	0.0	0.0	1.6	12.9
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	54428 20:26	47297 09:22	38104 07:29	21086 19:53	2806 19:22	160631 19:58

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	0.30	5.49	5.79	69.98	24.24

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	10148	0	220.4	133.3	-1.4	66	0.0
	Haryana	8343	0	177.2	139.1	-0.5	287	0.0
	Rajasthan	9679	0	218.3	61.2	-1.0	725	0.0
	Delhi	5100	0	109.3	92.2	-0.2	197	0.0
	UP	18071	0	357.5	160.8	-0.4	450	1.2
	Uttarakhand	1842	0	39.5	14.3	-1.5	120	0.0
	HP	1469	5	29.5	0.0	-1.1	24	0.0
	J&K	2124	531	42.5	19.0	3.1	602	10.1
WR	Chandigarh	282	0	5.5	6.6	-1.1	-15	0.0
	Chhattisgarh	4031	0	96.7	36.8	-1.0	219	0.0
	Gujarat	15332	0	338.8	70.0	-1.8	670	0.0
	MP	8413	0	185.2	85.8	-3.4	427	0.0
	Maharashtra	18133	0	400.5	91.5	-1.9	358	0.0
	Goa	541	0	11.3	11.2	-0.5	32	0.0
	DD	344	0	7.5	7.1	0.4	58	0.0
	DNH	814	0	19.0	19.1	-0.1	34	0.0
SR	Essar steel	293	0	5.7	5.7	0.0	270	0.0
	Andhra Pradesh	7058	-6	158.7	18.8	-0.2	395	0.0
	Telangana	8284	0	174.1	97.9	-0.9	590	0.0
	Karnataka	9612	-11	174.8	55.6	-0.7	504	0.0
	Kerala	3344	0	65.6	50.2	2.6	330	0.0
	Tamil Nadu	13998	0	300.7	122.1	0.4	846	0.0
	Pondy	395	0	8.4	8.6	-0.2	35	0.0
	ER	Bihar	4960	0	97.1	91.1	1.3	250
DVC		2857	0	63.4	-34.7	-0.6	200	0.0
Jharkhand		1099	0	23.2	16.1	-1.2	50	0.0
Odisha		4312	0	86.2	34.9	3.4	400	0.0
West Bengal		8235	0	172.5	70.0	3.6	230	0.0
Sikkim		80	0	0.9	1.4	-0.5	10	0.0
NER	Arunachal Pradesh	126	2	2.3	2.8	-0.6	22	0.0
	Assam	1778	82	31.4	25.7	0.2	199	1.5
	Manipur	164	2	2.6	2.4	0.2	16	0.0
	Meghalaya	328	0	5.6	-0.2	-0.2	65	0.0
	Mizoram	86	1	1.7	1.3	0.1	41	0.0
	Nagaland	124	2	2.2	2.1	-0.4	29	0.0
	Tripura	276	2	5.0	4.6	-0.1	41	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	43.5	-3.0	-25.8
Day peak (MW)	1858.1	-142.0	-1119.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	253.8	-236.4	47.6	-53.1	-11.5	0.5
Actual(MU)	232.7	-253.0	59.5	-29.9	-12.5	-3.2
O/D/U/D(MU)	-21.1	-16.6	11.8	23.2	-1.0	-3.7

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5189	16991	7502	2510	82	32274
State Sector	9240	15989	9020	4230	50	38529
Total	14429	32980	16522	6740	131	70802

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	505	1036	438	364	10	2353
Lignite	17	14	43	0	0	74
Hydro	328	16	38	126	30	538
Nuclear	27	31	60	0	0	118
Gas, Naptha & Diesel	25	44	14	0	29	112
RES (Wind, Solar, Biomass & Others)	75	199	239	2	0	514
Total	978	1339	832	492	69	3710

Share of RES in total generation (%)	7.70	14.83	28.67	0.35	0.04	13.86
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	44.04	18.33	40.46	26.01	43.46	31.55

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.

INTER-REGIONAL EXCHANGES								Date of Reporting :	27-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	168	270	0.0	1.2	-1.2	
2		SASARAM-FATEHPUR	S/C	240	177	2.3	0.0	2.3	
3		GAYA-BALIA	S/C	0	295	0.0	4.9	-4.9	
4	HVDC	ALIPURDUAR-AGRA	-	0	1601	0.0	38.7	-38.7	
5		PUSAULI B/B	S/C	2	247	0.0	5.8	-5.8	
6	400 kV	PUSAULI-VARANASI	S/C	0	225	0.0	4.6	-4.6	
7		PUSAULI -ALLAHABAD	S/C	39	83	0.0	1.0	-1.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	589	0.0	7.6	-7.6	
9		PATNA-BALIA	Q/C	0	517	0.0	6.8	-6.8	
10		BIHARSHARIFF-BALIA	D/C	0	216	0.0	3.2	-3.2	
11		MOTIHARI-GORAKHPUR	D/C	0	273	0.0	4.0	-4.0	
12		BIHARSHARIFF-VARANASI	D/C	202	57	2.1	0.0	2.1	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	140	0.0	2.6	-2.6	
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	4.8	80.4	-75.6
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1989	0	34.9	0.0	34.9	
19		NEW RANCHI-DHARAMJAIGARH	D/C	1307	0	23.4	0.0	23.4	
20		JHARSUGUDA-DURG	D/C	338	1	5.8	0.0	5.8	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	329	0	4.8	0.0	4.8	
22		RANCHI-SIPAT	D/C	479	0	9.4	0.0	9.4	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	22	62	0.0	0.6	-0.6	
24		BUDHIPADAR-KORBA	D/C	241	0	2.5	0.0	2.5	
						ER-WR	80.9	0.6	80.3
Import/Export of ER (With SR)									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1659.0	0.0	23.5	-23.5	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	432.0	0.0	10.0	-10.0	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1485.0	0.0	25.3	-25.3	
28	400 kV	TALCHER-I/C	D/C	250.0	343.0	2.7	0.0	2.7	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
						ER-SR	0.0	58.7	-58.7
Import/Export of ER (With NER)									
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	650	0.0	9.6	-10	
31		ALIPURDUAR-BONGAIGAON	D/C	334	116	3.4	0.0	3	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	86	0.0	0.9	-1	
						ER-NER	3.4	10.5	-7.1
Import/Export of NER (With NR)									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	904	0.0	21.8	-21.8	
						NER-NR	0.0	21.8	-21.8
Import/Export of WR (With NR)									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1001	0.0	13.7	-13.7	
35		V'CHAL B/B	D/C	452	0	12.2	0.0	12.2	
36		APL -MHG	D/C	0	1453	0.0	36.3	-36.3	
37	765 kV	GWALIOR-AGRA	D/C	0	2183	0.0	40.4	-40.4	
38		PHAGI-GWALIOR	D/C	0	1319	0.0	22.8	-22.8	
39		JABALPUR-ORAI	D/C	0	926	0.0	35.0	-35.0	
40		GWALIOR-ORAI	S/C	374	0	7.0	0.0	7.0	
41		SATNA-ORAI	S/C	0	1309	0.0	26.6	-26.6	
42		CHITTORGARH-BANASKANTHA	D/C	0	729	0.0	5.9	5.9	
43		ZERDA-KANKROLI	S/C	107	92	0.5	0.4	0.1	
44	400 kV	ZERDA -BHINMAL	S/C	240	200	2.0	1.2	0.8	
45		V'CHAL -RIHAND	S/C	967	0	22.2	0.0	22.2	
46	220 kV	RAPP-SHUJALPUR	D/C	23	370	0	3	-3	
47		BHANPURA-RANPUR	S/C	6	62	0.0	0.8	-0.8	
48		BHANPURA-MORAK	S/C	0	130	0.0	2.4	-2.4	
49		MEHGAON-AURAIYA	S/C	61	15	0.4	0.0	0.4	
50	132kV	MALANPUR-AURAIYA	S/C	25	35	0.1	0.3	-0.3	
51		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						WR-NR	44.5	188.2	-132.0
Import/Export of WR (With SR)									
52	HVDC	BHADRAWATI B/B	-	0	211	0.0	5.1	-5.1	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	775	1335	0.0	6.7	-6.7	
55		WARDHA-NIZAMABAD	D/C	0	2046	0.0	29.7	-29.7	
56	400 kV	KOLHAPUR-KUDGI	D/C	1091	0	15.1	0.0	15.1	
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58		PONDA-AMBEWADI	S/C	0	66	0.0	1.3	-1.3	
59		XELDEM-AMBEWADI	S/C	0	39	0.7	0.0	0.7	
						WR-SR	15.8	42.7	-26.9
TRANSNATIONAL EXCHANGE									
60		BHUTAN						43.5	
61		NEPAL						-3.0	
62		BANGLADESH						-25.8	