



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: 30th June 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 29.06.2019.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 29-जून-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 29th June 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

30-Jun-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)	60121	44841	41010	21404	2832	170208
Peak Shortage (MW)	2260	0	0	0	98	2358
Energy Met (MU)	1482	1034	949	457	51	3974
Hydro Gen (MU)	338	12	35	94	25	504
Wind Gen (MU)	41	126	201	-----	-----	368
Solar Gen (MU)*	28.35	17.33	62.52	2.23	0.03	110
Energy Shortage (MU)	18.8	0.0	0.0	0.0	2.6	21.4
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	65574 22:23	46238 19:46	39835 20:00	22349 21:08	2854 19:45	173152 21:12

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	0.049	0.00	1.32	11.49	12.81	76.88	10.31

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	12461	0	281.5	138.3	-1.2	139	0.0	
	Haryana	10185	0	224.5	152.1	-0.1	184	0.4	
	Rajasthan	11671	0	255.7	64.2	-2.0	352	0.0	
	Delhi	6664	0	136.7	114.7	0.7	227	0.0	
	UP	20399	940	452.6	221.7	2.5	490	7.9	
	Uttarakhand	2141	0	48.6	18.2	1.3	125	0.0	
	HP	1534	0	31.5	1.5	1.4	241	0.0	
	J&K	2252	563	44.6	19.8	-0.4	305	10.6	
WR	Chandigarh	355	0	6.8	7.0	-0.2	25	0.0	
	Chhattisgarh	3827	0	89.7	35.4	0.3	314	0.0	
	Gujarat	14979	0	328.2	59.8	2.8	684	0.0	
	MP	8097	0	187.4	103.2	0.1	506	0.0	
	Maharashtra	17431	0	388.5	86.4	-0.6	711	0.0	
	Goa	541	0	10.9	10.4	-0.1	49	0.0	
	DD	326	0	7.2	6.9	0.3	50	0.0	
	DNH	746	0	17.1	17.3	-0.2	32	0.0	
SR	Essar steel	325	0	5.4	5.4	0.0	347	0.0	
	Andhra Pradesh	8292	0	184.6	17.1	-0.8	489	0.0	
	Telangana	6701	0	147.0	38.0	-1.1	628	0.0	
	Karnataka	9951	0	191.8	67.8	-0.1	807	0.0	
	Kerala	3788	0	77.2	64.3	1.8	362	0.0	
	Tamil Nadu	15048	0	339.7	131.8	-0.2	649	0.0	
	Pondy	411	0	8.6	8.7	-0.1	51	0.0	
	ER	Bihar	5760	0	101.1	102.8	-4.1	50	0.0
DVC		3273	0	62.6	-43.7	-1.3	130	0.0	
Jharkhand		1269	0	25.3	15.8	0.0	90	0.0	
Odisha		4093	0	90.4	29.0	0.1	220	0.0	
West Bengal		8613	0	176.3	59.0	2.5	400	0.0	
Sikkim		93	0	1.2	1.4	-0.1	10	0.0	
NER		Arunachal Pradesh	134	2	2.3	2.7	-0.4	82	0.0
		Assam	1759	81	31.1	22.8	2.9	196	2.5
	Manipur	177	3	2.8	2.4	0.4	51	0.0	
	Meghalaya	340	0	5.8	1.4	-0.4	35	0.0	
	Mizoram	94	1	1.7	1.6	0.0	13	0.0	
	Nagaland	130	2	2.2	2.4	-0.4	20	0.0	
	Tripura	286	0	5.4	4.7	-0.1	47	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	21.7	-7.4	-25.8
Day peak (MW)	970.9	-443.0	-1106.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	325.1	-290.7	36.1	-61.9	-8.7	-0.1
Actual(MU)	351.1	-311.1	27.1	-65.2	-7.8	-5.8
O/D/U/D(MU)	25.9	-20.3	-8.9	-3.3	0.9	-5.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5070	16900	8002	1525	56	31553
State Sector	5195	16476	7220	3800	50	32741
Total	10265	33376	15222	5325	106	64294

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	652	1103	484	456	10	2704
Lignite	19	16	47	0	0	82
Hydro	338	12	35	94	25	504
Nuclear	27	31	55	0	0	113
Gas, Naptha & Diesel	32	39	12	0	29	112
RES (Wind, Solar, Biomass & Others)	85	153	299	2	0	540
Total	1152	1353	932	552	64	4054

Share of RES in total generation (%)	7.41	11.30	32.12	0.41	0.05	13.32
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	39.05	14.44	41.71	17.51	39.22	28.52

H. Diversity Factor

All India Demand Diversity Factor	1.021
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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 : 30-Jun-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	363	0.0	5.4	-5.4
2		SASARAM-FATEHPUR	S/C	251	0	3.4	0.0	3.4
3		GAYA-BALIA	S/C	0	551	0.0	11.3	-11.3
4	HVDC	ALIPURDUAR-AGRA	-	0	1200	0.0	28.0	-28.0
5		PUSAULI B/B	S/C	0	346	0.0	8.3	-8.3
6	400 kV	PUSAULI-VARANASI	S/C	0	297	0.0	6.1	-6.1
7		PUSAULI -ALLAHABAD	S/C	0	127	0.0	2.0	-2.0
8		MUZAFFARPUR-GORAKHPUR	D/C	0	755	0.0	10.4	-10.4
9		PATNA-BALIA	Q/C	0	1221	0.0	22.2	-22.2
10		BIHARSHARIFF-BALIA	D/C	0	455	0.0	8.4	-8.4
11		MOTIHARI-GORAKHPUR	D/C	314	0	4.7	0.0	4.7
12		BIHARSHARIFF-VARANASI	D/C	196	95	1.4	0.0	1.4
13	220 kV	PUSAULI-SAHUPURI	S/C	0	204	0.0	3.9	-3.9
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	30	0	0.3	0.0	0.3
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						9.8	105.8	-96.0
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1016	0	16.1	0.0	16.1
19		NEW RANCHI-DHARAMJAIGARH	D/C	1312	0	23.7	0.0	23.7
20		JHARSUGUDA-DURG	D/C	280	3	3.4	0.0	3.4
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	385	0	5.0	0.0	5.0
22		RANCHI-SIPAT	D/C	546	0	9.4	0.0	9.4
23	220 kV	BUDHIPADAR-RAIGARH	S/C	27	55	0.0	0.2	-0.2
24		BUDHIPADAR-KORBA	D/C	232	0	4.6	0.0	4.6
ER-WR						62.1	0.2	61.8
Import/Export of ER (With SR)								
25	765 kV	ANGUL-SRIKAKULAM	D/C	23.0	1173.0	0.0	16.5	-16.5
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	425.0	0.0	12.4	-12.4
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1978.0	0.0	32.2	-32.2
28	400 kV	TALCHER-I/C	D/C	179.0	700.0	0.0	1.5	-1.5
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	61.2	-61.2
Import/Export of ER (With NER)								
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	635	0.0	8.6	-9
31		ALIPURDUAR-BONGAIGAON	D/C	299	141	2.3	0.0	2
32	220 kV	ALIPURDUAR-SALAKATI	D/C	10	99	0.0	1.0	-1
ER-NER						2.3	9.5	-7.3
Import/Export of NER (With NR)								
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	703	0.0	16.5	-16.5
NER-NR						0.0	16.5	-16.5
Import/Export of WR (With NR)								
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	3027	0.0	71.0	-71.0
35		V'CHAL B/B	D/C	230	493	2.3	4.8	-2.5
36		APL -MHG	D/C	0	2366	0.0	56.1	-56.1
37	765 kV	GWALIOR-AGRA	D/C	0	2894	0.0	54.1	-54.1
38		PHAGI-GWALIOR	D/C	0	1131	0.0	21.8	-21.8
39		JABALPUR-ORAI	D/C	0	1037	0.0	40.0	-40.0
40		GWALIOR-ORAI	S/C	404	0	8.5	0.0	8.5
41		SATNA-ORAI	S/C	0	1513	0.0	32.1	-32.1
42		CHITTORGARH-BANASKANTHA	D/C	237	439	0.0	2.4	2.4
43		ZERDA-KANKROLI	S/C	143	23	1.1	0.0	1.1
44	400 kV	ZERDA -BHINMAL	S/C	281	0	3.4	0.0	3.4
45		V'CHAL -RIHAND	S/C	978	0	22.5	0.0	22.5
46	220 kV	RAPP-SHUJALPUR	D/C	0	287	0	2	-2
47		BHANPURA-RANPUR	S/C	22	45	0.0	0.4	-0.4
48		BHANPURA-MORAK	S/C	0	115	0.0	1.5	-1.5
49		MEHGAON-AURAIYA	S/C	126	21	1.0	0.1	0.9
50	132kV	MALANPUR-AURAIYA	S/C	4	91	0.0	0.9	-0.9
51		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						38.8	287.3	-243.7
Import/Export of WR (With SR)								
52	HVDC	BHADRAWATI B/B	-	189	505	2.2	10.8	-8.7
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
54	765 kV	SOLAPUR-RAICHUR	D/C	1088	1012	0.5	0.0	0.5
55		WARDHA-NIZAMABAD	D/C	637	1119	0.0	8.7	-8.7
56	400 kV	KOLHAPUR-KUDGI	D/C	1135	40	13.1	0.0	13.1
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
58		PONDA-AMBEWADI	S/C	1	85	0.0	1.2	-1.2
59		XELDEM-AMBEWADI	S/C	1	47	0.7	0.0	0.7
WR-SR						16.5	20.8	-4.3
TRANSNATIONAL EXCHANGE								
60		BHUTAN						21.7
61		NEPAL						-7.4
62		BANGLADESH						-25.8