



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 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 26.06.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 26-जून-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 26th 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

27-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)	60446	47082	40660	21073	2608	171869
Peak Shortage (MW)	842	0	0	0	251	1093
Energy Met (MU)	1423	1118	952	470	47	4011
Hydro Gen (MU)	358	10	32	93	18	511
Wind Gen (MU)	19	54	171	-----	-----	244
Solar Gen (MU)*	27.79	19.29	67.37	1.97	0.03	116
Energy Shortage (MU)	10.9	0.0	0.0	0.0	4.6	15.4
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	63809 22:28	50199 12:22	41038 19:50	22826 03:30	2620 19:12	177100 22:28

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	0.034	0.00	0.00	0.84	0.84	68.24	30.91

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	12478	0	274.1	134.3	-2.3	180	0.0
	Haryana	10029	0	219.4	151.8	0.2	211	0.0
	Rajasthan	11164	0	248.5	74.0	0.9	463	0.0
	Delhi	6553	0	135.1	114.5	-0.3	245	0.0
	UP	19963	1130	416.9	187.8	2.4	570	0.0
	Uttarakhand	2115	0	46.5	16.5	1.0	150	0.0
	HP	1489	3	30.8	1.9	-0.2	64	0.0
	J&K	2151	538	45.8	21.2	-0.9	203	10.8
	Chandigarh	343	0	6.5	7.1	-0.6	-7	0.0
WR	Chhattisgarh	3883	0	90.5	37.5	-2.3	367	0.0
	Gujarat	14926	0	330.8	66.6	5.1	437	0.0
	MP	8395	0	192.8	103.4	-0.1	480	0.0
	Maharashtra	20395	0	458.8	133.7	0.4	909	0.0
	Goa	541	0	12.4	11.1	0.6	60	0.0
	DD	345	0	7.7	7.4	0.4	103	0.0
	DNH	812	0	18.9	19.1	-0.2	150	0.0
	Essar steel	330	0	6.0	5.9	0.1	287	0.0
	SR	Andhra Pradesh	8246	0	179.0	19.0	-0.1	491
Telangana		7316	0	162.2	41.7	-0.1	732	0.0
Karnataka		10260	0	198.1	64.3	1.7	789	0.0
Kerala		3730	0	74.2	61.3	2.0	339	0.0
Tamil Nadu		14038	0	330.3	138.2	1.7	685	0.0
Pondy		411	0	8.6	8.9	-0.3	53	0.0
ER	Bihar	5399	0	99.1	97.1	-2.0	450	0.0
	DVC	3029	0	66.1	-42.8	0.6	200	0.0
	Jharkhand	1000	0	24.3	17.1	-1.7	150	0.0
	Odisha	5055	0	97.7	42.6	1.8	400	0.0
	West Bengal	9147	0	181.6	74.5	-0.6	300	0.0
	Sikkim	92	0	1.2	1.2	-0.1	50	0.0
NER	Arunachal Pradesh	132	2	2.3	2.6	-0.3	53	0.0
	Assam	1634	186	27.7	22.9	0.6	101	4.5
	Manipur	139	2	2.4	2.3	0.1	25	0.0
	Meghalaya	319	0	5.3	2.1	0.2	139	0.0
	Mizoram	95	0	1.8	1.5	0.1	9	0.0
	Nagaland	129	2	2.5	2.5	-0.1	26	0.0
	Tripura	283	1	5.1	4.7	0.2	89	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	21.8	-8.9	-26.1
Day peak (MW)	1545.3	-461.8	-1113.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	292.5	-282.0	-0.3	-9.0	-1.1	0.2
Actual(MU)	300.2	-282.0	8.7	-20.6	-2.0	4.3
O/D/U/D(MU)	7.8	0.0	8.9	-11.6	-1.0	4.1

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4451	14959	6792	2375	189	28766
State Sector	5945	13244	6120	3140	50	28499
Total	10396	28203	12912	5515	238	57265

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	638	1210	535	417	11	2811
Lignite	22	15	48	0	0	85
Hydro	358	10	32	93	18	511
Nuclear	27	31	54	0	0	112
Gas, Naptha & Diesel	36	52	13	0	28	128
RES (Wind, Solar, Biomass & Others)	63	79	276	2	0	420
Total	1143	1396	958	512	56	4066

Share of RES in total generation (%)	5.48	5.65	28.84	0.39	0.05	10.32
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	39.15	8.59	37.83	18.55	31.24	25.64

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-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	431	0.0	5.3	-5.3
2		SASARAM-FATEHPUR	S/C	249	116	0.0	1.8	-1.8
3		GAYA-BALIA	S/C	0	445	0.0	8.3	-8.3
4	HVDC	ALIPURDUAR-AGRA	-	0	703	0.0	16.0	-16.0
5		PUSAULI B/B	S/C	0	198	0.0	4.8	-4.8
6	400 kV	PUSAULI-VARANASI	S/C	0	205	0.0	3.9	-3.9
7		PUSAULI -ALLAHABAD	S/C	0	74	0.0	0.8	-0.8
8		MUZAFFARPUR-GORAKHPUR	D/C	0	800	0.0	11.3	-11.3
9		PATNA-BALIA	Q/C	0	804	0.0	11.7	-11.7
10		BIHARSHARIFF-BALIA	D/C	1669	296	0.0	5.5	-5.5
11		MOTIHARI-GORAKHPUR	D/C	307	0	5.0	0.0	5.0
12		BIHARSHARIFF-VARANASI	D/C	341	103	0.9	0.0	0.9
13	220 kV	PUSAULI-SAHUPURI	S/C	0	204	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						6.3	72.8	-66.4
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1497	0	19.5	0.0	19.5
19		NEW RANCHI-DHARAMJAIGARH	D/C	1631	0	24.1	0.0	24.1
20		JHARSUGUDA-DURG	D/C	274	5	3.0	0.0	3.0
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	621	0	8.6	0.0	8.6
22		RANCHI-SIPAT	D/C	573	0	10.0	0.0	10.0
23	220 kV	BUDHIPADAR-RAIGARH	S/C	47	72	0.0	0.8	-0.8
24		BUDHIPADAR-KORBA	D/C	244	0	4.0	0.0	4.0
ER-WR						69.0	0.8	68.2
Import/Export of ER (With SR)								
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1387.0	0.0	15.1	-15.1
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	576.0	0.0	7.5	-7.5
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1190.0	0.0	25.6	-25.6
28	400 kV	TALCHER-I/C	D/C	785.0	0.0	6.0	0.0	6.0
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	48.2	-48.2
Import/Export of ER (With NER)								
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	461	0.0	6.7	-7
31		ALIPURDUAR-BONGAIGAON	D/C	186	237	0.0	0.7	-1
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	110	0.0	1.5	-1
ER-NER						0.0	8.8	-8.8
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	2510	0.0	59.7	-59.7
35		V'CHAL B/B	D/C	228	253	1.1	2.5	-1.4
36		APL -MHG	D/C	0	1546	0.0	38.7	-38.7
37	765 kV	GWALIOR-AGRA	D/C	0	3036	0.0	54.0	-54.0
38		PHAGI-GWALIOR	D/C	0	1431	0.0	27.0	-27.0
39		JABALPUR-ORAI	D/C	0	1140	0.0	41.6	-41.6
40		GWALIOR-ORAI	S/C	694	0	10.8	0.0	10.8
41		SATNA-ORAI	S/C	0	1569	0.0	32.1	-32.1
42		CHITTORGARH-BANASKANTHA	D/C	146	486	0.2	4.0	3.8
43		ZERDA-KANKROLI	S/C	75	108	0.4	0.2	0.2
44	400 kV	ZERDA -BHINMAL	S/C	170	140	0.8	0.3	0.5
45		V'CHAL -RIHAND	S/C	969	0	22.1	0.0	22.1
46	220 kV	RAPP-SHUJALPUR	D/C	0	454	0	3	-3
47		BHANPURA-RANPUR	S/C	30	69	0.0	0.7	-0.6
48		BHANPURA-MORAK	S/C	0	106	0.0	1.5	-1.5
49		MEHGAON-AURAIYA	S/C	38	32	0.1	0.2	0.0
50		MALANPUR-AURAIYA	S/C	8	60	0.0	0.7	-0.7
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						35.6	266.0	-222.8
Import/Export of WR (With SR)								
52	HVDC	BHADRAWATI B/B	-	0	502	0.0	7.9	-7.9
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
54	765 kV	SOLAPUR-RAICHUR	D/C	1493	812	10.5	1.8	8.7
55		WARDHA-NIZAMABAD	D/C	976	1242	3.7	7.8	-4.1
56	400 kV	KOLHAPUR-KUDGI	D/C	1391	1318	20.5	0.0	20.4
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
58		PONDA-AMBEWADI	S/C	0	75	0.0	1.2	-1.2
59		XELDEM-AMBEWADI	S/C	0	42	0.7	0.0	0.7
WR-SR						35.4	18.7	16.6
TRANSNATIONAL EXCHANGE								
60		BHUTAN						21.8
61		NEPAL						-8.9
62		BANGLADESH						-26.1