



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: 02nd 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 01.06.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 01-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 01st 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

2-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)	55018	51120	44145	21380	2482	174145
Peak Shortage (MW)	999	0	0	0	250	1249
Energy Met (MU)	1333	1164	994	465	46	4002
Hydro Gen (MU)	325	19	56	68	16	484
Wind Gen (MU)	22	97	109	-----	-----	228
Solar Gen (MU)*	29.13	23.90	75.77	2.28	0.03	131
Energy Shortage (MU)	14.6	0.0	0.0	0.0	1.1	15.7
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	60036 23:27	56113 15:49	44420 21:29	22707 23:22	2526 19:25	181053 23:23

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	1.30	12.84	14.13	63.08	22.79

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	8866	0	186.4	100.2	-1.6	4	0.0
	Haryana	8972	0	188.4	124.0	0.1	275	0.0
	Rajasthan	11755	0	261.6	76.5	1.4	293	0.0
	Delhi	6386	0	132.2	110.2	1.4	284	0.1
	UP	21142	180	438.9	197.2	0.7	434	3.9
	Uttarakhand	2113	0	47.7	21.4	-0.5	139	0.0
	HP	1452	0	28.8	3.6	0.6	130	0.6
	J&K	2062	516	42.3	28.1	-6.4	58	9.9
WR	Chandigarh	332	0	6.4	7.0	-0.6	3	0.0
	Chhattisgarh	3868	0	3.8	38.9	-1.7	205	0.0
	Gujarat	17913	0	393.0	99.0	3.3	456	0.0
	MP	9777	0	223.9	112.2	-0.1	388	0.0
	Maharashtra	22758	0	506.6	125.2	-1.6	349	0.0
	Goa	541	0	12.3	11.0	0.7	49	0.0
	DD	321	0	7.2	6.9	0.3	31	0.0
	DNH	738	0	17.2	17.4	-0.3	66	0.0
SR	Essar steel	291	0	5.6	5.7	-0.1	290	0.0
	Andhra Pradesh	9394	0	197.3	59.1	0.5	559	0.0
	Telangana	7758	0	170.9	67.0	0.7	670	0.0
	Karnataka	9986	0	198.9	63.0	1.0	906	0.0
	Kerala	4084	0	81.7	60.7	1.1	183	0.0
	Tamil Nadu	15100	0	336.8	143.2	0.0	550	0.0
	Pondy	430	0	8.6	9.4	-0.8	42	0.0
	ER	Bihar	5098	0	99.7	96.0	1.5	200
DVC		3168	0	65.9	-40.8	0.0	400	0.0
Jharkhand		1179	0	25.3	17.0	-1.0	90	0.0
Odisha		4837	0	96.8	44.1	1.1	300	0.0
West Bengal		8906	0	176.0	51.0	0.6	500	0.0
Sikkim		89	0	1.2	1.3	-0.1	30	0.0
NER	Arunachal Pradesh	134	2	2.2	2.3	-0.1	27	0.0
	Assam	1595	153	28.8	23.5	0.9	157	0.7
	Manipur	157	2	2.2	2.1	0.1	17	0.0
	Meghalaya	315	0	5.5	2.7	0.2	59	0.3
	Mizoram	92	1	1.8	1.3	0.3	23	0.0
	Nagaland	112	2	2.2	2.2	0.0	11	0.0
	Tripura	273	6	3.3	3.7	-0.4	62	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	9.6	-8.9	-26.3
Day peak (MW)	627.4	391.6	776.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	244.6	-262.4	68.6	-51.5	0.7	0.1
Actual(MU)	249.8	-261.9	64.0	-46.2	-1.5	4.2
O/D/U/D(MU)	5.2	0.5	-4.6	5.3	-2.2	4.1

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4303	13159	6762	950	306	25480
State Sector	7210	11040	6290	4090	50	28680
Total	11513	24199	13052	5040	356	54160

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	631	1220	540	477	10	2879
Lignite	25	16	51	0	0	92
Hydro	325	19	56	68	16	484
Nuclear	27	18	58	0	0	104
Gas, Naptha & Diesel	43	48	14	0	28	132
RES (Wind, Solar, Biomass & Others)	66	129	218	2	0	415
Total	1117	1450	938	548	53	4106

Share of RES in total generation (%)	5.93	8.89	23.24	0.43	0.06	10.12
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	37.46	11.46	35.46	12.88	29.61	24.44

H. Diversity Factor

All India Demand Diversity Factor	1.026
-----------------------------------	-------

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 : **2-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	149	202	0.0	1.1	-1.1
2		SASARAM-FATEHPUR	S/C	107	164	0.0	1.0	-1.0
3		GAYA-BALIA	S/C	0	405	0.0	7.1	-7.1
4	HVDC	ALIPURDUAR-AGRA	-	0	500	0.0	12.1	-12.1
5		PUSAULI B/B	S/C	0	49	0.0	1.2	-1.2
6	400 kV	PUSAULI-VARANASI	S/C	0	116	0.0	1.9	-1.9
7		PUSAULI-ALLAHABAD	S/C	58	1	0.8	0.0	0.8
8		MUZAFFARPUR-GORAKHPUR	D/C	0	577	0.0	8.3	-8.3
9		PATNA-BALIA	Q/C	0	1037	0.0	19.3	-19.3
10		BIHARSHARIFF-BALIA	D/C	0	556	0.0	10.3	-10.3
11		MOTIHARI-GORAKHPUR	D/C	0	349	0.0	7.0	-7.0
12		BIHARSHARIFF-VARANASI	D/C	116	164	0.0	1.1	-1.1
13	220 kV	PUSAULI-SAHUPURI	S/C	0	167	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	0.5	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						1.3	73.4	-72.1
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1869	0	30.9	0.0	30.9
19		NEW RANCHI-DHARAMJAIGARH	D/C	869	0	15.3	0.0	15.3
20		JHARSUGUDA-DURG	D/C	230	0	3.4	0.0	3.4
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	478	0	7.7	0.0	7.7
22		RANCHI-SIPAT	D/C	301	0	5.3	0.0	5.3
23	220 kV	BUDHIPADAR-RAIGARH	S/C	2	74	0.0	0.9	-0.9
24		BUDHIPADAR-KORBA	D/C	163	0	2.5	0.0	2.5
ER-WR						65.1	0.9	64.2
Import/Export of ER (With SR)								
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1770.0	0.0	30.7	-30.7
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	675.0	0.0	11.1	-11.1
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1390.0	0.0	31.6	-31.6
28	400 kV	TALCHER-I/C	D/C	782.0	0.0	10.6	0.0	10.6
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	73.4	-73.4
Import/Export of ER (With NER)								
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	432	0.0	6.5	-7
31		ALIPURDUAR-BONGAIGAON	D/C	194	169	0.0	0.3	0
32	220 kV	ALIPURDUAR-SALAKATI	D/C	13	71	0.0	0.9	-1
ER-NER						0.0	7.7	-7.7
Import/Export of NER (With NR)								
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	502	0.0	9.9	-9.9
NER-NR						0.0	9.9	-9.9
Import/Export of WR (With NR)								
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1752	0.0	36.4	-36.4
35		V'CHAL B/B	D/C	452	0	12.2	0.0	12.2
36		APL -MHG	D/C	0	1728	0.0	37.8	-37.8
37	765 kV	GWALIOR-AGRA	D/C	0	2344	0.0	46.7	-46.7
38		PHAGI-GWALIOR	D/C	0	1121	0.0	22.8	-22.8
39		JABALPUR-ORAI	D/C	0	879	0.0	34.4	-34.4
40		GWALIOR-ORAI	S/C	432	0	8.8	0.0	8.8
41		SATNA-ORAI	S/C	0	1357	0.0	29.8	-29.8
42		CHITTORGARH-BANASKANTHA	D/C	0	698	0.0	4.6	4.6
43		ZERDA-KANKROLI	S/C	105	70	1.1	0.1	1.0
44	400 kV	ZERDA -BHINMAL	S/C	205	59	2.1	0.0	2.1
45		V'CHAL -RIHAND	S/C	972	0	22.5	0.0	22.5
46	220 kV	RAPP-SHUJALPUR	D/C	0	252	0	2	-2
47		BHANPURA-KOTA	S/C	44	39	0.2	0.2	0.0
48		BHANPURA-MORAK	S/C	0	180	0.0	2.4	-2.4
49		MEHGAON-AURAIYA	S/C	67	18	0.4	0.0	0.4
50	132kV	MALANPUR-AURAIYA	S/C	28	39	0.0	0.4	-0.4
51		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						47.3	217.5	-160.9
Import/Export of WR (With SR)								
52	HVDC	BHADRAWATI B/B	-	0	985	0.0	23.6	-23.6
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
54	765 kV	SOLAPUR-RAICHUR	D/C	1116	1771	0.0	5.4	-5.4
55		WARDHA-NIZAMABAD	D/C	0	1829	0.0	29.2	-29.2
56	400 kV	KOLHAPUR-KUDGI	D/C	1062	0	0.0	0.0	0.0
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
58		PONDA-AMBEWADI	S/C	1	0	0.0	0.0	0.0
59		XELDEM-AMBEWADI	S/C	0	54	1.1	0.0	1.1
WR-SR						1.1	58.2	-57.1
TRANSNATIONAL EXCHANGE								
60		BHUTAN						9.6
61		NEPAL						-8.9
62		BANGLADESH						-26.3