



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: 21st 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 20.06.2019.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 20-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 20th June 2019, is available at the NLDC website.

धन्यवाद,

Report for previous day

Date of Reporting

21-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)	52341	48777	41807	20199	2765	165889
Peak Shortage (MW)	1025	0	0	0	103	1128
Energy Met (MU)	1258	1147	1014	486	55	3960
Hydro Gen (MU)	313	19	42	84	18	476
Wind Gen (MU)	17	80	195	-----	-----	292
Solar Gen (MU)*	26.74	22.3	79.47	2.06	0.05	131
Energy Shortage (MU)	11.7	0.0	0.0	0.0	0.5	12.2
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	57733 22:22	51127 15:09	43653 12:29	21761 00:31	2730 18:53	174822 22:22

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	0.056	0.00	2.09	10.66	12.75	70.50	16.75

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	11084	0	228.4	124.1	-7.2	115	0.0
	Haryana	8366	0	179.9	124.5	-0.5	251	0.0
	Rajasthan	10240	0	224.0	60.0	-1.8	368	0.0
	Delhi	5532	0	112.0	92.0	0.1	214	0.0
	UP	18916	1230	389.6	184.8	0.9	569	1.1
	Uttarakhand	1928	0	44.1	17.6	0.7	129	0.0
	HP	1435	0	29.8	4.3	1.1	192	0.0
	J&K	2108	527	44.9	19.3	0.2	340	10.6
WR	Chhattisgarh	314	0	5.7	6.3	-0.6	8	0.0
	Chhattisgarh	3806	0	88.9	28.5	-0.2	427	0.0
	Gujarat	15230	0	338.8	89.4	5.0	626	0.0
	MP	8788	0	196.1	110.2	0.0	600	0.0
	Maharashtra	21244	0	479.4	123.0	2.9	666	0.0
	Goa	541	0	11.5	12.4	-1.5	67	0.0
	DD	339	0	7.6	7.2	0.4	93	0.0
	DNH	771	0	18.2	18.4	-0.2	41	0.0
SR	Essar steel	364	0	6.2	6.2	0.0	322	0.0
	Andhra Pradesh	9598	0	195.3	29.3	-1.4	441	0.0
	Telangana	7931	0	170.2	51.7	0.0	496	0.0
	Karnataka	11239	0	218.4	69.8	0.5	492	0.0
	Kerala	3712	0	72.0	57.0	1.4	212	0.0
	Tamil Nadu	15901	0	348.5	130.1	-1.1	491	0.0
	Pondy	441	0	9.1	9.2	-0.1	57	0.0
	ER	Bihar	5386	0	108.4	103.8	0.6	150
DVC		2942	0	63.9	-47.7	-1.2	220	0.0
Jharkhand		1053	0	25.6	20.7	-0.5	120	0.0
Odisha		4539	0	102.3	36.3	2.2	700	0.0
West Bengal		8833	0	184.5	62.5	0.4	200	0.0
NER	Sikkim	92	0	1.3	1.3	0.0	10	0.0
	Arunachal Pradesh	131	3	2.2	2.0	0.2	19	0.0
	Assam	1771	62	35.1	30.1	1.2	183	0.4
	Manipur	141	7	2.6	2.2	0.4	25	0.0
	Meghalaya	322	4	5.9	2.3	-0.2	75	0.0
	Mizoram	78	3	1.8	1.3	0.3	29	0.0
	Nagaland	136	4	2.3	2.3	-0.1	31	0.0
	Tripura	273	13	5.4	4.5	0.5	61	0.1

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	10.3	-10.5	-26.7
Day peak (MW)	2628.4	-564.2	-1145.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	241.9	-259.9	43.9	-23.8	-2.1	0.1
Actual(MU)	249.7	-261.3	51.4	-34.0	1.3	7.1
O/D/U/D(MU)	7.8	-1.4	7.4	-10.2	3.4	7.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	6358	16291	7342	3575	90	33656
State Sector	6995	14712	6073	3100	50	30930
Total	13353	31003	13415	6675	139	64585

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	573	1200	520	447	14	2754
Lignite	19	15	41	0	0	75
Hydro	313	19	42	84	18	476
Nuclear	27	30	55	0	0	112
Gas, Naptha & Diesel	45	41	15	0	29	131
RES (Wind, Solar, Biomass & Others)	57	109	316	2	0	484
Total	1035	1415	988	533	61	4031

Share of RES in total generation (%)	5.49	7.72	31.97	0.39	0.08	12.00
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	38.40	11.22	41.71	16.21	29.38	26.60

H. Diversity Factor

All India Demand Diversity Factor	1.012
-----------------------------------	-------

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 : 21-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	473	0.0	6.8	-6.8	
2		SASARAM-FATEHPUR	S/C	274	0	3.1	0.0	3.1	
3		GAYA-BALIA	S/C	0	492	0.0	8.5	-8.5	
4		ALIPURDUAR-AGRA	-	0	401	0.0	9.6	-9.6	
5		PUSAULI B/B	S/C	0	400	0.0	9.9	-9.9	
6	400 kV	PUSAULI-VARANASI	S/C	0	290	0.0	6.6	-6.6	
7		PUSAULI -ALLAHABAD	S/C	0	168	0.0	3.1	-3.1	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	731	0.0	11.4	-11.4	
9		PATNA-BALIA	Q/C	0	943	0.0	15.7	-15.7	
10		BIHARSHARIFF-BALIA	D/C	0	273	0.0	5.2	-5.2	
11		MOTIHARI-GORAKHPUR	D/C	172	0	5.7	0.0	5.7	
12	220 kV	BIHARSHARIFF-VARANASI	D/C	148	81	0.6	0.0	0.6	
13		PUSAULI-SAHUPURI	S/C	0	188	0.0	3.5	-3.5	
14		SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
15		132 kV	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						9.8	80.5	-70.6	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1671	0	26.9	0.0	26.9	
19		NEW RANCHI-DHARAMJAIGARH	D/C	1091	0	17.9	0.0	17.9	
20		JHARSUGUDA-DURG	D/C	420	0	5.6	0.0	5.6	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	578	0	9.9	0.0	9.9	
22		RANCHI-SIPAT	D/C	394	0	5.7	0.0	5.7	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	23	70	0.0	0.7	-0.7	
24		BUDHIPADAR-KORBA	D/C	228	0	4.4	0.0	4.4	
ER-WR						70.3	0.7	69.7	
Import/Export of ER (With SR)									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1260.0	0.0	15.6	-15.6	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	437.0	0.0	14.0	-14.0	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1584.0	0.0	34.8	-34.8	
28	400 kV	TALCHER-I/C	D/C	197.0	312.0	0.0	2.4	-2.4	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	64.4	-64.4	
Import/Export of ER (With NER)									
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	507	0.0	8.3	-8	
31		ALIPURDUAR-BONGAIGAON	D/C	181	234	0.0	0.8	-1	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	1	66	0.0	0.8	-1	
ER-NER						0.0	9.9	-9.9	
Import/Export of NER (With NR)									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	403	0.0	9.6	-9.6	
NER-NR						0.0	9.6	-9.6	
Import/Export of WR (With NR)									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	2006	0.0	47.7	-47.7	
35		V'CHAL B/B	D/C	452	0	12.3	0.0	12.3	
36		APL -MHG	D/C	0	1453	0.0	36.3	-36.3	
37	765 kV	GWALIOR-AGRA	D/C	0	2416	0.0	48.6	-48.6	
38		PHAGI-GWALIOR	D/C	0	1353	0.0	24.6	-24.6	
39		JABALPUR-ORAI	D/C	0	1049	0.0	29.1	-29.1	
40		GWALIOR-ORAI	S/C	443	0	7.2	0.0	7.2	
41		SATNA-ORAI	S/C	0	1559	0.0	32.1	-32.1	
42		CHITTORGARH-BANASKANTHA	D/C	343	130	0.0	1.9	1.9	
43	400 kV	ZERDA-KANKROLI	S/C	144	0	1.9	0.0	1.9	
44		ZERDA -BHINMAL	S/C	207	0	2.8	0.0	2.8	
45		V'CHAL -RIHAND	S/C	967	0	21.9	0.0	21.9	
46		RAPP-SHUJALPUR	D/C	3	296	0	2	-2	
47	220 kV	BHANPURA-RANPUR	S/C	35	42	0.1	0.3	-0.1	
48		BHANPURA-MORAK	S/C	0	102	0.0	1.1	-1.1	
49		MEHGAON-AURAIYA	S/C	37	14	0.3	0.1	0.2	
50		MALANPUR-AURAIYA	S/C	14	33	0.0	0.3	-0.3	
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						46.4	224.0	-173.8	
Import/Export of WR (With SR)									
52	HVDC	BHADRAWATI B/B	-	0	955	0.0	18.7	-18.7	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	1278	687	0.0	7.6	-7.6	
55		WARDHA-NIZAMABAD	D/C	552	1350	0.0	10.9	-10.9	
56	400 kV	KOLHAPUR-KUDGI	D/C	912	0	11.4	0.0	11.4	
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58		PONDA-AMBEWADI	S/C	0	85	0.0	1.6	-1.6	
59		XELDEM-AMBEWADI	S/C	0	48	0.9	0.0	0.9	
WR-SR						12.3	38.9	-26.6	
TRANSNATIONAL EXCHANGE									
60		BHUTAN						10.3	
61		NEPAL						-10.5	
62		BANGLADESH						-26.7	