



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: 03rd 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., डोंगतेिह, 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 02.07.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 02-जुलाई-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 02st June 2019, is available at the NLDC website.

धन्यवाद,

Report for previous day

Date of Reporting

3-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)	61149	42868	40595	18933	2812	166357
Peak Shortage (MW)	522	0	0	0	130	652
Energy Met (MU)	1461	1000	936	416	52	3864
Hydro Gen (MU)	362	11	36	92	21	522
Wind Gen (MU)	18	87	190	-----	-----	295
Solar Gen (MU)*	27.33	20.01	62.40	1.87	0.04	112
Energy Shortage (MU)	11.2	0.1	0.2	0.0	0.8	12.2
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	65565 22:57	44666 19:38	41139 19:41	20396 20:50	2815 20:03	171463 20:15

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	0.030	0.00	0.05	4.64	4.69	78.40	16.91

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	13008	0	282.1	143.9	-1.1	292	0.0
	Haryana	10675	0	223.9	159.5	-0.4	225	0.0
	Rajasthan	10985	0	237.5	70.0	0.3	595	0.0
	Delhi	7254	0	147.1	123.0	0.5	364	0.0
	UP	20589	0	441.3	208.6	-0.3	430	0.0
	Uttarakhand	2111	0	45.4	17.1	0.6	154	0.4
	HP	1450	0	30.6	1.6	0.6	102	0.0
	J&K	2019	505	45.6	22.4	-1.8	86	10.8
WR	Chandigarh	380	0	7.2	7.9	-0.6	14	0.0
	Chhattisgarh	3191	0	73.1	27.2	-1.7	330	0.0
	Gujarat	15436	0	339.0	72.6	5.0	733	0.0
	MP	7471	0	167.2	78.8	0.0	403	0.0
	Maharashtra	17130	0	380.3	101.9	0.3	523	0.1
	Goa	541	0	10.0	11.0	-1.5	66	0.0
	DD	320	0	7.1	6.8	0.3	40	0.0
	DNH	760	0	17.8	18.0	-0.1	42	0.0
SR	Essar steel	274	0	5.1	4.6	0.5	351	0.0
	Andhra Pradesh	8089	0	171.9	6.2	-0.5	460	0.0
	Telangana	6824	0	145.5	52.7	-0.4	356	0.0
	Karnataka	9829	0	192.6	62.7	0.6	600	0.0
	Kerala	3802	0	77.1	60.7	2.4	241	0.2
	Tamil Nadu	15354	0	339.7	151.4	0.8	684	0.0
	Pondy	395	0	8.7	8.8	-0.1	61	0.0
	Bihar	4903	0	92.6	91.0	-0.6	50	0.0
ER	DVC	3001	0	63.2	-46.6	-0.5	75	0.0
	Jharkhand	1000	0	20.2	15.4	-0.5	30	0.0
	Odisha	3800	0	74.6	21.1	0.7	400	0.0
	West Bengal	8098	0	164.7	55.1	-1.6	200	0.0
	Sikkim	93	0	1.2	1.4	-0.2	20	0.0
NER	Arunachal Pradesh	130	1	2.2	2.6	-0.4	74	0.0
	Assam	1762	109	31.7	26.7	0.5	158	0.7
	Manipur	174	3	2.6	2.5	0.2	32	0.0
	Meghalaya	339	0	6.0	1.8	-0.1	63	0.0
	Mizoram	90	1	1.7	1.5	0.0	5	0.0
	Nagaland	126	3	2.2	2.3	-0.3	14	0.0
	Tripura	262	4	4.8	4.0	-0.8	34	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	18.7	-9.4	-25.0
Day peak (MW)	936.0	-500.0	-1064.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	332.3	-273.5	21.3	-77.9	-2.1	0.1
Actual(MU)	334.8	-271.4	33.9	-99.9	-4.1	-6.6
O/D/U/D(MU)	2.5	2.1	12.7	-22.0	-2.0	-6.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3915	17595	7792	1970	68	31340
State Sector	4850	15229	8430	2670	50	31229
Total	8765	32824	16222	4640	117	62568

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	645	1071	467	450	12	2644
Lignite	20	16	48	0	0	85
Hydro	362	11	36	92	21	522
Nuclear	27	27	54	0	0	108
Gas, Naptha & Diesel	34	51	15	0	28	128
RES (Wind, Solar, Biomass & Others)	61	111	287	2	0	461
Total	1150	1287	907	544	61	3949

Share of RES in total generation (%)	5.34	8.61	31.67	0.35	0.07	11.68
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	39.16	11.59	41.63	17.24	34.21	27.65

H. Diversity Factor

All India Demand Diversity Factor	1.018
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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 : 3-Jul-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	587	0.0	8.5	-8.5	
2		SASARAM-FATEHPUR	S/C	305	21	3.0	0.0	3.0	
3		GAYA-BALIA	S/C	0	630	0.0	12.0	-12.0	
4	HVDC	ALIPURDUAR-AGRA	-	0	1404	0.0	32.7	-32.7	
5		PUSAULI B/B	S/C	0	346	0.0	8.4	-8.4	
6	400 kV	PUSAULI-VARANASI	S/C	0	279	0.0	5.8	-5.8	
7		PUSAULI -ALLAHABAD	S/C	0	129	0.0	2.3	-2.3	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	596	0.0	10.4	-10.4	
9		PATNA-BALIA	Q/C	0	1152	0.0	25.1	-25.1	
10		BIHARSHARIFF-BALIA	D/C	0	431	0.0	8.3	-8.3	
11		MOTIHARI-GORAKHPUR	D/C	233	0	6.0	0.0	6.0	
12	220 kV	BIHARSHARIFF-VARANASI	D/C	152	65	0.9	0.0	0.9	
13		PUSAULI-SAHUPURI	S/C	0	179	0.0	3.4	-3.4	
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						10.2	116.9	-106.7	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1053	81	8.4	0.0	8.4	
19		NEW RANCHI-DHARAMJAIGARH	D/C	1063	0	16.8	0.0	16.8	
20		JHARSUGUDA-DURG	D/C	162	111	0.6	0.0	0.6	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	496	0	7.3	0.0	7.3	
22		RANCHI-SIPAT	D/C	408	0	6.8	0.0	6.8	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	79	0.0	1.1	-1.1	
24		BUDHIPADAR-KORBA	D/C	196	0	1.7	0.0	1.7	
ER-WR						41.6	1.1	40.5	
Import/Export of ER (With SR)									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1467.0	0.0	21.7	-21.7	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	312.0	0.0	7.2	-7.2	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1976.0	0.0	35.1	-35.1	
28	400 kV	TALCHER-I/C	D/C	565.0	775.0	0.0	4.8	-4.8	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	64.0	-64.0	
Import/Export of ER (With NER)									
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	576	0.0	9.7	-10	
31		ALIPURDUAR-BONGAIGAON	D/C	377	0	3.7	0.0	4	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	86	0.0	1.0	-1	
ER-NER						3.7	10.7	-7.0	
Import/Export of NER (With NR)									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	502	0.0	12.4	-12.4	
NER-NR						0.0	12.4	-12.4	
Import/Export of WR (With NR)									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	3014	0.0	71.3	-71.3	
35		V'CHAL B/B	D/C	0	251	0.0	4.8	-4.8	
36		APL -MHG	D/C	0	1916	0.0	45.0	-45.0	
37	765 kV	GWALIOR-AGRA	D/C	0	2513	0.0	47.8	-47.8	
38		PHAGI-GWALIOR	D/C	0	1098	0.0	21.2	-21.2	
39		JABALPUR-ORAI	D/C	0	961	0.0	36.0	-36.0	
40		GWALIOR-ORAI	S/C	399	0	8.0	0.0	8.0	
41		SATNA-ORAI	S/C	0	1385	0.0	29.9	-29.9	
42		CHITTORGARH-BANASKANTHA	D/C	533	310	0.5	0.0	0.5	
43	400 kV	ZERDA-KANKROLI	S/C	180	25	1.9	0.0	1.8	
44		ZERDA -BHINMAL	S/C	239	57	1.8	0.0	1.8	
45		V'CHAL -RIHAND	S/C	973	0	22.3	0.0	22.3	
46		RAPP-SHUJALPUR	D/C	0	343	0	2	-2	
47	220 kV	BHANPURA-RANPUR	S/C	30	49	0.1	0.5	-0.4	
48		BHANPURA-MORAK	S/C	0	104	0.0	1.5	-1.5	
49		MEHGAON-AURAIYA	S/C	59	37	0.2	0.1	0.1	
50		MALANPUR-AURAIYA	S/C	22	57	0.0	0.7	-0.6	
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						34.7	260.9	-226.2	
Import/Export of WR (With SR)									
52	HVDC	BHADRAWATI B/B	-	97	502	0.0	3.2	-3.2	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	1195	1111	0.0	0.3	-0.3	
55		WARDHA-NIZAMABAD	D/C	362	1432	0.0	10.9	-10.9	
56	400 kV	KOLHAPUR-KUDGI	D/C	1084	0	12.8	0.0	12.8	
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58		PONDA-AMBEWADI	S/C	0	74	0.0	1.3	-1.3	
59		XELDEM-AMBEWADI	S/C	0	43	0.7	0.0	0.7	
WR-SR						13.5	15.5	-2.0	
TRANSNATIONAL EXCHANGE									
60		BHUTAN						18.7	
61		NEPAL						-9.4	
62		BANGLADESH						-25.0	