



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: 08th 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., डोंगतेह, 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 08.06.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 07-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 07th 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

8-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)	55835	49176	40973	19649	2549	168182
Peak Shortage (MW)	531	0	-50	0	183	665
Energy Met (MU)	1282	1238	955	446	49	3970
Hydro Gen (MU)	337	16	53	84	17	507
Wind Gen (MU)	7	77	100	-----	-----	183
Solar Gen (MU)*	30.26	23.3	80.67	2.59	0.03	137
Energy Shortage (MU)	11.4	0.0	0.0	0.0	1.4	12.9
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	60547 23:32	57032 11:55	42733 14:58	21181 00:01	2545 19:30	176317 23:15

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	0.050	0.00	1.45	11.81	13.25	79.10	7.65

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	8715	0	186.0	105.4	-1.6	73	0.0
	Haryana	8934	0	183.5	125.3	-0.6	292	0.0
	Rajasthan	12467	0	275.2	90.7	-1.0	194	0.0
	Delhi	6400	0	129.2	109.0	-1.8	151	0.1
	UP	20071	0	381.6	161.2	0.5	705	0.0
	Uttarakhand	2085	0	41.9	16.4	-0.7	94	0.0
	HP	1448	0	30.6	4.5	1.5	176	0.0
	J&K	2224	556	47.9	27.2	-2.3	77	11.3
WR	Chandigarh	293	0	5.7	6.8	-1.1	54	0.0
	Chhattisgarh	3740	0	85.1	32.8	-1.6	418	0.0
	Gujarat	18305	0	400.8	103.0	5.9	678	0.0
	MP	9779	0	223.5	122.6	0.0	479	0.0
	Maharashtra	22103	0	485.7	123.5	-3.1	600	0.0
	Goa	541	0	11.9	11.0	0.4	136	0.0
	DD	347	0	7.7	7.2	0.4	40	0.0
	DNH	751	0	17.5	17.7	-0.2	41	0.0
SR	Essar steel	369	0	6.2	6.3	-0.1	254	0.0
	Andhra Pradesh	9108	0	187.5	52.1	-0.3	586	0.0
	Telangana	7697	0	159.9	59.6	0.3	523	0.0
	Karnataka	9614	0	179.1	52.1	-0.4	656	0.0
	Kerala	3811	0	79.1	57.6	1.2	331	0.0
	Tamil Nadu	14784	0	339.9	136.0	-2.1	500	0.0
	Pondy	428	0	9.2	9.3	-0.1	65	0.0
	ER	Bihar	5363	0	104.5	103.2	0.2	325
DVC		3023	0	64.8	-47.9	0.1	350	0.0
Jharkhand		1106	0	25.8	18.1	0.2	150	0.0
Odisha		4229	0	89.4	29.6	0.4	370	0.0
West Bengal		7843	0	160.6	45.2	0.6	385	0.0
Sikkim		90	0	1.2	1.3	-0.2	30	0.0
NER	Arunachal Pradesh	109	2	2.0	2.3	-0.3	41	0.0
	Assam	1548	138	30.3	25.1	0.4	155	1.4
	Manipur	169	3	2.4	2.3	0.1	20	0.0
	Meghalaya	334	0	5.8	1.9	-0.1	63	0.0
	Mizoram	92	3	1.8	1.4	0.2	12	0.0
	Nagaland	124	2	2.1	2.2	-0.2	22	0.0
	Tripura	273	2	5.0	4.8	0.1	56	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	10.3	-6.6	-21.5
Day peak (MW)	597.8	-418.6	-1112.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	222.9	-232.5	84.9	-76.6	0.9	-0.3
Actual(MU)	209.3	-224.1	92.1	-80.4	0.2	-3.0
O/D/U/D(MU)	-13.7	8.3	7.2	-3.9	-0.7	-2.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3803	15549	7932	1625	310	29219
State Sector	6335	11815	5650	2940	50	26790
Total	10138	27364	13582	4565	360	56009

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	615	1257	518	481	8	2879
Lignite	19	18	34	0	0	71
Hydro	337	16	53	84	17	507
Nuclear	27	18	37	0	0	81
Gas, Naptha & Diesel	40	58	15	0	29	142
RES (Wind, Solar, Biomass & Others)	53	107	216	3	0	379
Total	1091	1474	873	567	54	4060

Share of RES in total generation (%)	4.86	7.27	24.75	0.46	0.06	9.33
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	38.20	9.59	35.05	15.26	31.26	23.83

H. Diversity Factor

All India Demand Diversity Factor	1.044
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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 :	8-Jun-19
Sl No	Voltage Level	Line Details	Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)	
								Import=(+ve) /Export =(-ve) for NET (MU)	
Import/Export of ER (With NR)									
1	765kV	GAYA-VARANASI	D/C	0	194	0.0	1.3	-1.3	
2		SASARAM-FATEHPUR	S/C	117	180	0.0	1.4	-1.4	
3		GAYA-BALIA	S/C	0	459	0.0	5.6	-5.6	
4	HVDC	ALIPURDUAR-AGRA	-	0	500	0.0	11.6	-11.6	
5		PUSAULI B/B	S/C	0	49	0.0	1.2	-1.2	
6	400 kV	PUSAULI-VARANASI	S/C	0	112	0.0	1.9	-1.9	
7		PUSAULI-ALLAHABAD	S/C	54	4	0.7	0.0	0.7	
8		MUZAFFARPUR-GORAKHPUR	D/C	41	590	0.0	5.1	-5.1	
9		PATNA-BALIA	Q/C	0	838	0.0	20.8	-20.8	
10		BIHARSHARIFF-BALIA	D/C	0	460	0.0	8.9	-8.9	
11		MOTIHARI-GORAKHPUR	D/C	0	347	0.0	7.2	-7.2	
12		BIHARSHARIFF-VARANASI	D/C	77	151	0.0	1.5	-1.5	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	188	0.0	3.2	-3.2	
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	21	0.0	0.0	0.0	
ER-NR						1.2	69.7	-68.5	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1219	0	19.0	0.0	19.0	
19		NEW RANCHI-DHARAMJAIGARH	D/C	1107	28	9.2	0.0	9.2	
20		JHARSUGUDA-DURG	D/C	128	139	0.0	0.4	-0.4	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	674	0	9.7	0.0	9.7	
22		RANCHI-SIPAT	D/C	378	13	3.2	0.0	3.2	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	36	65	0.0	0.2	-0.2	
24		BUDHIPADAR-KORBA	D/C	233	0	2.3	0.0	2.3	
ER-WR						43.4	0.5	42.9	
Import/Export of ER (With SR)									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	2211.0	0.0	37.1	-37.1	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	659.0	0.0	15.0	-15.0	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1971.0	0.0	34.7	-34.7	
28	400 kV	TALCHER-I/C	D/C	1014.0	312.0	7.4	0.0	7.4	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	86.7	-86.7	
Import/Export of ER (With NER)									
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	588	0.0	9.6	-10	
31		ALIPURDUAR-BONGAIGAON	D/C	200	274	0.0	2.5	-3	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	3	90	0.0	1.4	-1	
ER-NER						0.0	13.5	-13.5	
Import/Export of NER (With NR)									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	602	0.0	14.6	-14.6	
NER-NR						0.0	14.6	-14.6	
Import/Export of WR (With NR)									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1204	0.0	22.7	-22.7	
35		V'CHAL B/B	D/C	452	0	11.7	0.0	11.7	
36		APL -MHG	D/C	0	1638	0.0	39.2	-39.2	
37	765 kV	GWALIOR-AGRA	D/C	0	2524	0.0	37.6	-37.6	
38		PHAGI-GWALIOR	D/C	0	1241	0.0	18.6	-18.6	
39		JABALPUR-ORAI	D/C	0	945	0.0	25.2	-25.2	
40		GWALIOR-ORAI	S/C	467	0	9.0	0.0	9.0	
41		SATNA-ORAI	S/C	0	1473	0.0	28.4	-28.4	
42		CHITTORGARH-BANASKANTHA	D/C	278	416	0.1	0.0	0.0	
43		ZERDA-KANKROLI	S/C	168	52	1.9	0.1	1.8	
44	400 kV	ZERDA -BHINMAL	S/C	146	217	0.0	0.3	-0.3	
45		V'CHAL -RIHAND	S/C	970	0	22.3	0.0	22.3	
46	220 kV	RAPP-SHUJALPUR	D/C	73	401	1	0	1	
47		BHANPURA-RANPUR	S/C	23	78	0.0	0.5	-0.5	
48		BHANPURA-MORAK	S/C	0	111	0.0	1.6	-1.6	
49	132kV	MEHGAON-AURAIYA	S/C	68	3	0.7	0.0	0.7	
50		MALANPUR-AURAIYA	S/C	36	37	0.1	0.2	-0.1	
51	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0		
WR-NR						46.9	174.4	-127.5	
Import/Export of WR (With SR)									
52	HVDC	BHADRAWATI B/B	-	0	542	0.0	8.3	-8.3	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	309	1691	0.0	14.7	-14.7	
55		WARDHA-NIZAMABAD	D/C	0	2341	0.0	32.9	-32.9	
56	400 kV	KOLHAPUR-KUDGI	D/C	631	709	5.8	1.3	4.5	
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	57	0.9	0.0	0.9	
WR-SR						6.7	57.2	-50.5	
TRANSNATIONAL EXCHANGE									
60		BHUTAN						10.3	
61		NEPAL						-6.6	
62		BANGLADESH						-21.5	