



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: 09th Apr 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 08.04.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 08-अप्रैल-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 8th April 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

9-Apr-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	46336	50742	44644	18850	2230	162802
Peak Shortage (MW)	594	0	0	0	199	793
Energy Met (MU)	940	1219	1074	388	39	3660
Hydro Gen (MU)	199	29	71	43	4	346
Wind Gen (MU)	12	66	39	-----	-----	118
Solar Gen (MU)*	27.75	25.97	78.47	0.94	0.03	133
Energy Shortage (MU)	10.1	0.6	0.0	0.0	3.5	14.1
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	45865 19:32	54093 15:50	45959 14:55	19483 19:35	2303 18:43	162849 19:29

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	0.032	0.00	0.00	5.31	5.31	79.34	15.35

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	5591	0	119.0	46.8	-1.0	79	0.0	
	Haryana	6388	143	116.7	90.2	0.6	176	0.4	
	Rajasthan	9395	0	197.5	51.3	-2.0	196	0.0	
	Delhi	4119	0	85.6	70.1	-0.9	87	0.0	
	UP	16968	0	316.2	140.0	0.9	787	0.0	
	Uttarakhand	1673	0	34.6	12.8	-0.9	80	0.0	
	HP	1313	0	25.4	8.2	0.9	138	0.0	
	J&K	1931	483	41.3	31.8	-2.4	229	9.7	
WR	Chandigarh	182	0	3.7	4.3	-0.6	13	0.0	
	Chhattisgarh	4499	0	102.8	47.8	-1.8	443	0.3	
	Gujarat	16877	0	378.0	111.8	3.1	583	0.0	
	MP	9134	0	197.6	81.7	0.3	628	0.0	
	Maharashtra	22436	0	497.4	141.7	-0.8	739	0.0	
	Goa	479	0	12.0	10.7	0.8	55	0.3	
	DD	330	0	7.5	7.0	0.5	54	0.0	
	DNH	808	0	18.7	18.4	0.3	138	0.0	
SR	Essar steel	263	0	5.3	5.8	-0.5	170	0.0	
	Andhra Pradesh	8760	0	191.4	57.0	0.1	465	0.0	
	Telangana	9172	0	204.0	77.2	-1.5	363	0.0	
	Karnataka	12412	0	235.1	77.6	-0.5	488	0.0	
	Kerala	4117	0	85.7	62.4	1.2	199	0.0	
	Tamil Nadu	15401	0	349.6	190.9	-0.7	443	0.0	
	Pondy	417	0	8.6	8.7	-0.1	40	0.0	
	ER	Bihar	4601	0	79.5	73.2	1.1	150	0.0
DVC		3028	0	63.8	-48.2	-0.5	250	0.0	
Jharkhand		940	0	18.7	12.8	0.1	100	0.0	
Odisha		4159	0	85.9	27.7	0.7	300	0.0	
West Bengal		7742	0	138.4	46.5	-0.8	100	0.0	
Sikkim		100	0	1.3	1.6	-0.3	20	0.0	
NER		Arunachal Pradesh	102	4	2.0	2.1	0.0	29	0.0
		Assam	1302	50	21.3	17.5	0.0	121	2.9
	Manipur	160	6	2.6	2.2	0.4	26	0.0	
	Meghalaya	338	0	5.9	4.6	0.2	42	0.3	
	Mizoram	95	3	1.7	1.3	0.1	22	0.0	
	Nagaland	138	3	2.0	1.9	0.1	16	0.0	
	Tripura	212	12	3.2	2.4	-0.2	91	0.2	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	7.5	-7.8	-22.6
Day peak (MW)	376.8	-462.0	-1072.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	158.5	-250.4	147.5	-61.3	5.5	-0.1
Actual(MU)	141.4	-246.1	160.9	-60.8	6.0	1.4
O/D/U/D(MU)	-17.1	4.3	13.4	0.5	0.5	1.5

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5965	13091	5372	1100	461	25989
State Sector	11305	12453	3720	2765	50	30293
Total	17270	25544	9092	3865	511	56282

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	464	1343	600	452	10	2868
Lignite	21	16	50	0	0	87
Hydro	199	29	71	43	4	346
Nuclear	23	31	34	0	0	87
Gas, Naptha & Diesel	30	55	17	0	23	125
RES (Wind, Solar, Biomass & Others)	74	100	155	1	0	330
Total	811	1574	927	496	36	3844

Share of RES in total generation (%)	9.12	6.37	16.74	0.20	0.08	8.59
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	36.47	10.17	28.08	8.93	10.26	19.88

H. Diversity Factor

All India Demand Diversity Factor	1.030
-----------------------------------	-------

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 :	9-Apr-19
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	530	0.0	4.7	-4.7	
2		SASARAM-FATEHPUR	S/C	0	291	0.0	3.4	-3.4	
3		GAYA-BALIA	S/C	0	299	0.0	4.1	-4.1	
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0	
5		PUSAULI B/B	S/C	0	50	0.0	1.2	-1.2	
6	400 kV	PUSAULI-VARANASI	S/C	0	60	0.0	0.9	-0.9	
7		PUSAULI -ALLAHABAD	S/C	1	34	0.0	0.2	-0.2	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	776	0.0	9.1	-9.1	
9		PATNA-BALIA	Q/C	0	808	0.0	10.1	-10.1	
10		BIHARSHARIFF-BALIA	D/C	0	295	0.0	4.5	-4.5	
11		MOTIHARI-GORAKHPUR	D/C	0	286	0.0	4.9	-4.9	
12		BIHARSHARIFF-VARANASI	D/C	5	0	0.0	0.0	0.0	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	172	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	0.6	0.0	0.6	
16		KARMANASA-SAHUPURI	S/C	0	0	0.0	0.0	0.0	
17		KARMANASA-CHANDAULI	S/C	1	0	0.0	0.0	0.0	
ER-NR						0.6	46.3	-45.8	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1670	0	31.5	0.0	31.5	
19		NEW RANCHI-DHARAMJAIGARH	D/C	479	160	3.2	0.0	3.2	
20		JHARSUGUDA-DURG	D/C	148	39	0.4	0.0	0.4	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	54	189	0.0	1.8	-1.8	
22		RANCHI-SIPAT	D/C	174	43	1.2	0.0	1.2	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	116	0.0	1.8	-1.8	
24		BUDHIPADAR-KORBA	D/C	176	0	3.3	0.0	3.3	
ER-WR						39.6	3.6	35.9	
Import/Export of ER (With SR)									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	2070.0	0.0	41.6	-41.6	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	642.0	0.0	14.9	-14.9	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2455.0	0.0	49.4	-49.4	
28	400 kV	TALCHER-I/C	D/C	0.0	643.0	0.0	5.2	-5.2	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	105.9	-105.9	
Import/Export of ER (With NER)									
30	400 kV	BINAGURI-BONGAIGAON	D/C	273	0	3.5	0.0	4	
31		ALIPURDUAR-BONGAIGAON	D/C	408	0	5.4	0.0	5	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	68	0	0.7	0.0	1	
ER-NER						9.6	0.0	9.6	
Import/Export of NER (With NR)									
33	HVDC	BISWANATH CHARIALI-AGRA	-	662	0	15.8	0.0	15.8	
NER-NR						15.8	0.0	15.8	
Import/Export of WR (With NR)									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	555	0.0	12.8	-12.8	
35		V'CHAL B/B	D/C	243	0	6.0	0.0	6.0	
36		APL -MHG	D/C	0	1077	0.0	26.7	-26.7	
37	765 kV	GWALIOR-AGRA	D/C	0	2242	0.0	41.2	-41.2	
38		PHAGI-GWALIOR	D/C	0	992	0.0	16.8	-16.8	
39		JABALPUR-ORAI	D/C	0	741	0.0	22.8	-22.8	
40		GWALIOR-ORAI	S/C	511	0	8.9	0.0	8.9	
41		SATNA-ORAI	S/C	0	1328	0.0	27.2	-27.2	
42		CHITORGARH-BANASKANTHA	D/C	0	0	0.9	0.0	0.9	
43		ZERDA-KANKROLI	S/C	190	38	2.4	0.0	2.4	
44	400 kV	ZERDA -BHINMAL	S/C	134	124	0.0	0.0	0.0	
45		V'CHAL -RIHAND	S/C	970	0	22.0	0.0	22.0	
46	220 kV	RAPP-SHUJALPUR	D/C	17	336	0	2	-2	
47		BADOD-KOTA	S/C	42	28	0.4	0.4	0.0	
48		BADOD-MORAK	S/C	20	72	0.1	0.9	-0.8	
49		MEHGAON-AURAIYA	S/C	44	14	0.6	0.0	0.6	
50	132kV	MALANPUR-AURAIYA	S/C	18	36	0.1	0.1	-0.1	
51		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						41.2	150.4	-109.2	
Import/Export of WR (With SR)									
52	HVDC	BHADRAWATI B/B	-	0	491	0.0	11.5	-11.5	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	0	2438	0.0	47.2	-47.2	
55		WARDHA-NIZAMABAD	D/C	0	2415	0.0	50.0	-50.0	
56	400 kV	KOLHAPUR-KUDGI	D/C	625	0	7.6	0.0	7.6	
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	58	1.1	0.0	1.1	
WR-SR						8.7	108.8	-100.1	
TRANSNATIONAL EXCHANGE									
60		BHUTAN						7.5	
61		NEPAL						-7.8	
62		BANGLADESH						-22.6	