



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: 11th Apr 2019

To,

- कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के., 14, गोल्फ क्लब रोड, कोलकाता - 700033
Executive Director, ERLDC, 14 Golf Club Road, Tollygunge, Kolkata, 700033
- 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
- 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
- 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
- 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 10.04.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 10-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 10th 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

11-Apr-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	48004	50898	45481	20142	2460	166985
Peak Shortage (MW)	666	0	0	107	89	862
Energy Met (MU)	1010	1239	1091	393	41	3773
Hydro Gen (MU)	194	35	81	56	4	370
Wind Gen (MU)	14	54	35	-----	-----	103
Solar Gen (MU)*	25.59	25.60	84.48	0.99	0.04	137
Energy Shortage (MU)	10.2	0.0	0.0	0.3	0.6	11.2
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	48255 19:43	54401 15:29	47962 15:38	20832 19:34	2553 18:39	170524 19:26

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	0.062	0.00	3.53	12.84	16.37	74.06	9.57

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	5906	0	125.9	45.1	-1.1	121	0.0
	Haryana	6775	175	129.4	101.9	-0.4	159	0.5
	Rajasthan	9879	0	215.1	54.7	-1.9	218	0.0
	Delhi	4304	0	91.0	75.7	-0.6	148	0.0
	UP	17298	0	340.6	156.4	-1.0	484	0.0
	Uttarakhand	1791	0	37.9	14.9	0.4	145	0.0
	HP	1387	0	25.3	8.1	1.2	203	0.0
	J&K	2070	518	41.0	28.6	2.3	332	9.7
WR	Chandigarh	189	0	4.0	4.1	-0.1	14	0.0
	Chhattisgarh	4491	0	100.4	45.6	-5.1	667	0.0
	Gujarat	16552	0	379.9	119.3	4.4	459	0.0
	MP	9811	0	212.3	95.3	-2.5	543	0.0
	Maharashtra	22279	0	500.8	146.2	-2.0	603	0.0
	Goa	521	0	13.7	11.2	1.9	47	0.0
	DD	340	0	7.5	7.1	0.4	53	0.0
	DNH	808	0	19.0	18.9	0.1	75	0.0
SR	Essar steel	248	0	5.3	5.3	0.0	174	0.0
	Andhra Pradesh	8943	0	195.9	59.1	-0.5	366	0.0
	Telangana	9242	0	205.5	75.7	-0.4	389	0.0
	Karnataka	11773	0	233.5	79.2	-0.7	576	0.0
	Kerala	4101	0	84.0	60.3	0.6	164	0.0
	Tamil Nadu	16047	0	362.8	202.0	-0.3	393	0.0
	Pondy	429	0	8.9	9.0	-0.1	50	0.0
	ER	Bihar	4506	0	75.0	70.5	-0.6	300
DVC		3022	0	69.7	-52.3	-0.2	200	0.0
Jharkhand		974	107	22.5	17.0	-0.3	110	0.3
Odisha		4517	0	89.0	28.2	2.4	472	0.0
West Bengal		7871	0	135.1	42.9	0.4	300	0.0
Sikkim		96	0	1.3	1.5	-0.2	20	0.0
NER	Arunachal Pradesh	136	2	2.1	2.4	-0.3	39	0.0
	Assam	1466	7	24.3	19.2	1.3	170	0.6
	Manipur	181	3	2.1	2.3	-0.3	24	0.0
	Meghalaya	337	0	6.1	4.5	0.0	40	0.0
	Mizoram	86	2	1.5	1.3	0.1	14	0.0
	Nagaland	138	3	2.0	2.0	0.1	31	0.0
	Tripura	222	12	3.0	1.7	-0.2	51	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	6.0	-8.6	-20.7
Day peak (MW)	272.8	-548.0	-1076.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	179.3	-250.2	141.0	-69.7	-0.8	-0.3
Actual(MU)	171.5	-247.7	156.6	-80.9	-1.3	-1.8
O/D/U/D(MU)	-7.8	2.5	15.5	-11.1	-0.6	-1.5

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5224	12187	5652	1870	551	25484
State Sector	9910	13809	4650	4075	50	32494
Total	15134	25996	10302	5945	601	57977

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	508	1281	601	444	14	2848
Lignite	28	17	55	0	0	101
Hydro	194	35	81	56	4	370
Nuclear	23	29	34	0	0	86
Gas, Naptha & Diesel	31	58	17	0	28	134
RES (Wind, Solar, Biomass & Others)	72	85	157	1	0	316
Total	856	1504	946	501	46	3854

Share of RES in total generation (%)	8.45	5.64	16.63	0.21	0.09	8.19
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	33.75	9.84	28.87	11.40	8.25	20.01

H. Diversity Factor

All India Demand Diversity Factor	1.020
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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 : 11-Apr-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	609	0.0	10.3	-10.3
2		SASARAM-FATEHPUR	S/C	0	343	0.0	6.0	-6.0
3		GAYA-BALIA	S/C	0	318	0.0	5.4	-5.4
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
5		PUSAULI B/B	S/C	0	49	0.0	1.3	-1.3
6	400 kV	PUSAULI-VARANASI	S/C	0	88	0.0	1.0	-1.0
7		PUSAULI -ALLAHABAD	S/C	30	35	0.0	0.1	-0.1
8		MUZAFFARPUR-GORAKHPUR	D/C	0	954	0.0	13.2	-13.2
9		PATNA-BALIA	Q/C	0	967	0.0	15.1	-15.1
10		BIHARSHARIFF-BALIA	D/C	0	411	0.0	6.8	-6.8
11		MOTIHARI-GORAKHPUR	D/C	0	304	0.0	5.9	-5.9
12		BIHARSHARIFF-VARANASI	D/C	3	0	0.0	0.0	0.0
13	220 kV	PUSAULI-SAHUPURI	S/C	0	168	0.0	2.4	-2.4
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	30	0	0.5	0.0	0.5
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						0.5	67.5	-67.0
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1897	0	32.7	0.0	32.7
19		NEW RANCHI-DHARAMJAIGARH	D/C	587	190	2.0	0.0	2.0
20		JHARSUGUDA-DURG	D/C	178	82	0.3	0.0	0.3
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	275	89	1.1	0.0	1.1
22		RANCHI-SIPAT	D/C	239	40	1.3	0.0	1.3
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	134	0.0	1.4	-1.4
24		BUDHIPADAR-KORBA	D/C	195	0	2.6	0.0	2.6
ER-WR						40.0	1.4	38.5
Import/Export of ER (With SR)								
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1996.0	0.0	36.4	-36.4
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	685.0	0.0	15.3	-15.3
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2453.0	0.0	50.4	-50.4
28	400 kV	TALCHER-I/C	D/C	0.0	1125.0	0.0	17.1	-17.1
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	102.1	-102.1
Import/Export of ER (With NER)								
30	400 kV	BINAGURI-BONGAIGAON	D/C	420	0	5.1	0.0	5
31		ALIPURDUAR-BONGAIGAON	D/C	515	0	8.2	0.0	8
32	220 kV	ALIPURDUAR-SALAKATI	D/C	83	0	1.2	0.0	1
ER-NER						14.6	0.0	14.6
Import/Export of NER (With NR)								
33	HVDC	BISWANATH CHARIALI-AGRA	-	661	0	14.7	0.0	14.7
NER-NR						14.7	0.0	14.7
Import/Export of WR (With NR)								
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1004	0.0	20.1	-20.1
35		V'CHAL B/B	D/C	243	0	6.0	0.0	6.0
36		APL -MHG	D/C	0	1172	0.0	28.3	-28.3
37	765 kV	GWALIOR-AGRA	D/C	0	2142	0.0	38.8	-38.8
38		PHAGI-GWALIOR	D/C	0	1027	0.0	19.0	-19.0
39		JABALPUR-ORAI	D/C	0	672	0.0	24.4	-24.4
40		GWALIOR-ORAI	S/C	467	0	9.4	0.0	9.4
41		SATNA-ORAI	S/C	0	1346	0.0	28.4	-28.4
42		CHITORGARH-BANASKANTHA	D/C	0	0	0.0	0.5	0.5
43		ZERDA-KANKROLI	S/C	198	53	2.8	0.0	2.8
44	400 kV	ZERDA -BHINMAL	S/C	173	113	1.1	0.0	1.1
45		V'CHAL -RIHAND	S/C	960	0	22.6	0.0	22.6
46	220 kV	RAPP-SHUJALPUR	D/C	81	267	0	2	-2
47		BADOD-KOTA	S/C	45	20	0.2	0.3	-0.1
48		BADOD-MORAK	S/C	0	90	0.0	1.0	-1.0
49	132kV	MEHGAON-AURAIYA	S/C	65	0	0.8	0.0	0.8
50		MALANPUR-AURAIYA	S/C	30	23	0.2	0.0	0.1
51	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						43.0	162.5	-118.5
Import/Export of WR (With SR)								
52	HVDC	BHADRAWATI B/B	-	0	488	0.0	11.4	-11.4
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
54	765 kV	SOLAPUR-RAICHUR	D/C	0	2315	0.0	40.7	-40.7
55		WARDHA-NIZAMABAD	D/C	0	2463	0.0	46.2	-46.2
56	400 kV	KOLHAPUR-KUDGI	D/C	676	0	8.3	0.0	8.3
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
58		PONDA-AMBEWADI	S/C	1	45	0.0	0.0	0.0
59		XELDEM-AMBEWADI	S/C	0	61	1.1	0.0	1.1
WR-SR						9.4	98.3	-88.9
TRANSNATIONAL EXCHANGE								
60		BHUTAN						6.0
61		NEPAL						-8.6
62		BANGLADESH						-20.7