



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: 05th 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., डोंगतेिह, 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 04.04.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 04-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 4th 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

5-Apr-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	47209	50199	46189	22617	2305	168519
Peak Shortage (MW)	855	0	-83	0	234	1007
Energy Met (MU)	1000	1232	1114	465	40	3851
Hydro Gen (MU)	190	29	77	41	5	342
Wind Gen (MU)	6	53	33	-----	-----	92
Solar Gen (MU)*	26.27	26.5	80.41	0.97	0.04	134
Energy Shortage (MU)	10.7	0.3	0.0	0.0	2.6	13.6
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	46240 19:40	55107 11:33	48329 15:25	22837 20:27	2339 18:45	168665 19:31

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	0.035	0.00	0.25	6.99	7.25	78.85	13.90

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	6043	0	129.4	49.7	-1.6	53	0.0
	Haryana	6373	0	127.3	98.5	-0.1	123	0.0
	Rajasthan	9953	0	218.4	51.8	-0.4	266	0.0
	Delhi	4023	0	81.3	66.6	-1.1	103	0.0
	UP	17329	0	331.4	140.9	0.3	389	0.0
	Uttarakhand	1752	0	37.0	12.7	0.7	207	0.0
	HP	1345	0	25.8	10.1	0.5	172	0.0
	J&K	2176	544	45.2	31.5	0.4	232	10.7
WR	Chandigarh	189	0	3.7	4.0	-0.2	15	0.0
	Chhattisgarh	4354	0	101.8	44.9	-2.6	900	0.0
	Gujarat	16691	0	377.4	123.9	4.1	512	0.0
	MP	9828	0	209.8	88.0	-0.8	732	0.0
	Maharashtra	22852	0	492.8	131.1	-0.9	974	0.0
	Goa	479	0	12.0	10.8	0.7	127	0.3
	DD	331	0	7.5	6.9	0.6	92	0.0
	DNH	771	0	18.2	18.1	0.1	57	0.0
SR	Essar steel	632	0	12.8	12.1	0.7	284	0.0
	Andhra Pradesh	8717	0	197.6	58.4	-0.3	403	0.0
	Telangana	9805	0	219.5	92.0	-0.6	419	0.0
	Karnataka	12219	0	246.5	81.9	-0.4	553	0.0
	Kerala	3935	0	84.7	60.1	1.2	238	0.0
	Tamil Nadu	16047	0	356.9	196.3	-0.3	733	0.0
	Pondy	411	0	8.5	8.7	-0.1	40	0.0
	Bihar	4722	0	85.0	79.5	0.1	352	0.0
ER	DVC	3133	0	66.7	-59.1	1.0	385	0.0
	Jharkhand	1241	0	25.2	16.3	-0.3	85	0.0
	Odisha	5380	0	112.3	44.3	1.8	398	0.0
	West Bengal	8611	0	174.4	52.4	1.4	415	0.0
	Sikkim	100	0	1.5	1.5	0.0	20	0.0
NER	Arunachal Pradesh	105	3	2.1	2.3	-0.2	31	0.0
	Assam	1396	164	23.3	18.7	0.8	132	2.0
	Manipur	175	3	2.4	2.2	0.2	42	0.0
	Meghalaya	343	21	5.4	3.2	0.5	66	0.4
	Mizoram	96	2	1.6	1.0	0.4	32	0.1
	Nagaland	126	4	2.1	1.6	0.4	41	0.0
	Tripura	234	15	3.3	1.4	0.7	62	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	3.8	-9.9	-23.0
Day peak (MW)	167.3	-498.7	-1114.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	166.4	-260.3	158.1	-64.9	0.1	-0.6
Actual(MU)	161.9	-254.0	148.0	-60.3	2.9	-1.4
O/D/U/D(MU)	-4.4	6.3	-10.1	4.6	2.9	-0.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	6295	13416	6982	1050	959	28702
State Sector	10385	12799	3460	3575	50	30269
Total	16680	26215	10442	4625	1008	58970

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	523	1292	631	515	16	2977
Lignite	27	17	55	0	0	99
Hydro	190	29	77	41	5	342
Nuclear	23	31	34	0	0	88
Gas, Naptha & Diesel	28	58	17	0	21	124
RES (Wind, Solar, Biomass & Others)	66	85	152	1	0	304
Total	857	1512	966	557	42	3933

Share of RES in total generation (%)	7.70	5.65	15.70	0.18	0.10	7.73
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	32.54	9.63	27.19	7.50	11.13	18.65

H. Diversity Factor

All India Demand Diversity Factor	1.037
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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 : **5-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	543	0.0	9.5	-9.5
2		SASARAM-FATEHPUR	S/C	25	195	0.0	1.9	-1.9
3		GAYA-BALIA	S/C	0	297	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	53	0.0	0.8	-0.8
7		PUSAULI -ALLAHABAD	S/C	0	49	0.0	0.4	-0.4
8		MUZAFFARPUR-GORAKHPUR	D/C	0	667	0.0	9.3	-9.3
9		PATNA-BALIA	Q/C	0	815	0.0	15.4	-15.4
10		BIHARSHARIFF-BALIA	D/C	0	309	0.0	5.4	-5.4
11		MOTIHARI-GORAKHPUR	D/C	0	325	0.0	6.6	-6.6
12		BIHARSHARIFF-VARANASI	D/C	5	0	0.0	0.0	0.0
13	220 kV	PUSAULI-SAHUPURI	S/C	0	172	0.0	2.9	-2.9
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	36	2	0.2	0.0	0.2
17		KARMANASA-CHANDAULI	S/C	1	0	0.0	0.0	0.0
ER-NR						0.9	58.8	-57.9
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	2337	0	38.1	0.0	38.1
19		NEW RANCHI-DHARAMJAIGARH	D/C	494	188	3.5	0.0	3.5
20		JHARSUGUDA-DURG	S/C	157	0	2.9	0.0	2.9
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	276	70	1.5	0.0	1.5
22		RANCHI-SIPAT	D/C	186	56	1.1	0.0	1.1
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	118	0.0	1.8	-1.8
24		BUDHIPADAR-KORBA	D/C	140	0	2.3	0.0	2.3
ER-WR						49.3	1.8	47.5
Import/Export of ER (With SR)								
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1893.0	0.0	37.1	-37.1
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	681.0	0.0	15.8	-15.8
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2451.0	0.0	52.3	-52.3
28	400 kV	TALCHER-I/C	D/C	0.0	662.0	0.0	7.5	-7.5
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	105.2	-105.2
Import/Export of ER (With NER)								
30	400 kV	BINAGURI-BONGAIGAON	D/C	399	7	4.7	0.0	5
31		ALIPURDUAR-BONGAIGAON	D/C	527	0	7.1	0.0	7
32	220 kV	ALIPURDUAR-SALAKATI	D/C	81	27	0.7	0.0	1
ER-NER						12.4	0.0	12.4
Import/Export of NER (With NR)								
33	HVDC	BISWANATH CHARIALI-AGRA	-	691	0	15.0	0.0	15.0
NER-NR						15.0	0.0	15.0
Import/Export of WR (With NR)								
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	551	0.0	0.0	0.0
35		V'CHAL B/B	D/C	243	0	0.0	0.0	0.0
36		APL -MHG	D/C	0	1362	0.0	33.9	-33.9
37	765 kV	GWALIOR-AGRA	D/C	0	2290	0.0	45.6	-45.6
38		PHAGI-GWALIOR	D/C	0	817	0.0	14.0	-14.0
39		JABALPUR-ORAI	D/C	0	733	0.0	23.6	-23.6
40		GWALIOR-ORAI	S/C	595	0	10.0	0.0	10.0
41		SATNA-ORAI	S/C	0	1360	0.0	28.2	-28.2
42		CHITORGARH-BANASKANTHA	D/C	0	0	1.2	0.0	1.2
43		ZERDA-KANKROLI	S/C	171	0	2.7	0.0	2.7
44	400 kV	ZERDA -BHINMAL	S/C	124	72	0.9	0.0	0.9
45		V'CHAL -RIHAND	S/C	974	0	22.2	0.0	22.2
46	220 kV	RAPP-SHUJALPUR	D/C	0	213	0	1	-1
47		BADOD-KOTA	S/C	0	80	0.0	1.7	-1.7
48		BADOD-MORAK	S/C	0	120	0.0	2.3	-2.3
49	400 kV	MEHGAON-AURAIYA	S/C	63	0	0.7	0.0	0.7
50		MALANPUR-AURAIYA	S/C	24	26	0.1	0.2	-0.1
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						37.7	150.7	-113.0
Import/Export of WR (With SR)								
52	HVDC	BHADRAWATI B/B	-	0	979	0.0	0.0	0.0
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
54	765 kV	SOLAPUR-RAICHUR	D/C	0	2775	0.0	46.9	-46.9
55		WARDHA-NIZAMABAD	D/C	0	2643	0.0	51.2	-51.2
56	400 kV	KOLHAPUR-KUDGI	D/C	655	0	9.6	0.0	9.6
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	39	0.9	0.0	0.9
WR-SR						10.6	98.1	-87.5
TRANSNATIONAL EXCHANGE								
60		BHUTAN						3.8
61		NEPAL						-9.9
62		BANGLADESH						-23.0