



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 May 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 02.05.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 02-मई-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 02nd May 2019, is available at the NLDC website.

धन्यवाद,

Report for previous day

Date of Reporting

3-May-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)	44491	50055	42719	20980	2493	160738
Peak Shortage (MW)	531	0	0	0	153	684
Energy Met (MU)	1104	1235	965	448	42	3794
Hydro Gen (MU)	244	54	72	85	19	474
Wind Gen (MU)	12	86	166	-----	-----	265
Solar Gen (MU)*	25.75	25.77	81.48	2.04	0.04	135
Energy Shortage (MU)	10.2	0.0	0.0	0.0	3.2	13.4
Maximum Demand Met during the day (MW) & time (from RLDC SCADA)	53268 00:00	55552 11:45	43617 19:29	21827 20:06	2450 20:07	167890 22:43

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	0.038	0.00	0.20	3.25	3.45	67.13	29.42

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	6611	0	135.9	69.7	-2.5	159	0.0
	Haryana	7993	0	143.2	106.5	-3.0	237	0.0
	Rajasthan	10578	0	229.6	71.9	0.2	318	0.0
	Delhi	5715	0	112.7	94.1	-0.9	177	0.0
	UP	17423	0	373.4	167.1	-0.1	467	0.0
	Uttarakhand	1804	0	35.5	14.3	-2.3	131	0.0
	HP	1323	0	26.2	5.8	1.3	182	0.0
	J&K	2084	521	43.1	23.1	-0.5	228	10.2
WR	Chandigarh	241	0	4.7	5.7	-0.9	0	0.0
	Chhattisgarh	4504	0	105.8	55.6	-1.3	316	0.0
	Gujarat	17147	0	380.6	120.1	2.9	523	0.0
	MP	9646	0	219.8	108.6	-0.2	405	0.0
	Maharashtra	22231	0	485.9	142.1	-0.9	598	0.0
	Goa	541	0	13.5	10.8	2.1	83	0.0
	DD	296	0	6.1	6.0	0.1	45	0.0
	DNH	798	0	18.1	18.1	0.0	53	0.0
SR	Essar steel	294	0	5.0	5.3	-0.3	239	0.0
	Andhra Pradesh	7700	0	172.4	27.8	-0.4	498	0.0
	Telangana	7650	0	165.2	47.1	0.5	490	0.0
	Karnataka	10531	0	209.6	65.5	0.8	492	0.0
	Kerala	3983	0	80.7	53.8	1.4	210	0.0
	Tamil Nadu	15441	0	330.0	136.4	1.2	496	0.0
	Pondy	405	0	7.4	7.6	-0.2	56	0.0
	ER	Bihar	5199	0	100.1	93.6	1.6	400
DVC		3143	0	64.2	-46.2	0.9	350	0.0
Jharkhand		1202	0	25.0	15.9	-1.5	80	0.0
Odisha		4453	0	87.7	29.0	1.9	400	0.0
West Bengal		8610	0	169.5	53.8	1.3	300	0.0
NER	Sikkim	96	0	1.2	1.5	-0.3	15	0.0
	Arunachal Pradesh	104	3	2.2	3.4	-1.3	15	0.0
	Assam	1473	21	22.3	17.1	1.9	109	3.0
	Manipur	172	4	2.4	2.3	0.2	36	0.0
	Meghalaya	351	4	5.6	2.7	0.2	32	0.1
	Mizoram	89	2	1.6	1.7	-0.1	33	0.0
	Nagaland	96	7	2.2	2.2	-0.1	10	0.0
	Tripura	286	9	5.4	5.4	0.3	68	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	14.8	-8.2	-24.1
Day peak (MW)	913.3	-515.8	-1135.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	217.9	-225.8	67.1	-49.3	-9.7	0.2
Actual(MU)	205.8	-237.2	77.8	-40.1	-9.4	-3.0
O/D/U/D(MU)	-12.1	-11.4	10.8	9.3	0.3	-3.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5357	10880	8102	2060	95	26493
State Sector	9270	13428	7840	2775	50	33363
Total	14627	24308	15942	4835	145	59856

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	527	1207	443	431	11	2619
Lignite	19	12	41	0	0	71
Hydro	244	54	72	85	19	474
Nuclear	28	31	37	0	0	95
Gas, Naptha & Diesel	38	54	16	0	27	134
RES (Wind, Solar, Biomass & Others)	66	118	280	2	0	467
Total	920	1476	888	518	57	3859

Share of RES in total generation (%)	7.16	8.02	31.54	0.40	0.07	12.09
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	36.65	13.76	43.78	16.85	33.88	26.84

H. Diversity Factor

All India Demand Diversity Factor	1.053
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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-May-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	92	382	0.0	4.0	-4.0
2		SASARAM-FATEHPUR	S/C	21	290	0.0	3.5	-3.5
3		GAYA-BALIA	S/C	20	222	0.0	2.4	-2.4
4		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	82	0.0	1.3	-1.3
7		PUSAULI -ALLAHABAD	S/C	21	30	0.2	0.0	0.2
8		MUZAFFARPUR-GORAKHPUR	D/C	0	995	0.0	17.7	-17.7
9		PATNA-BALIA	Q/C	0	977	0.0	15.9	-15.9
10		BIHARSHARIFF-BALIA	D/C	0	490	0.0	7.5	-7.5
11		MOTIHARI-GORAKHPUR	D/C	0	297	0.0	4.6	-4.6
12		BIHARSHARIFF-VARANASI	D/C	5	0	0.0	0.0	0.0
13	220 kV	PUSAULI-SAHUPURI	S/C	0	201	0.0	3.8	-3.8
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	22	0.0	0.0	0.0
ER-NR						0.6	62.1	-61.6
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1546	0	23.8	0.0	23.8
19		NEW RANCHI-DHARAMJAIGARH	D/C	551	47	6.9	0.0	6.9
20		JHARSUGUDA-DURG	D/C	115	100	0.6	0.0	0.6
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	57	210	0.0	1.8	-1.8
22		RANCHI-SIPAT	D/C	179	27	2.4	0.0	2.4
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	152	0.0	2.5	-2.5
24		BUDHIPADAR-KORBA	D/C	130	0	1.9	0.0	1.9
ER-WR						35.7	4.3	31.5
Import/Export of ER (With SR)								
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1667.0	0.0	27.2	-27.2
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	460.0	0.0	11.3	-11.3
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1588.0	0.0	34.9	-34.9
28	400 kV	TALCHER-I/C	D/C	648.0	63.0	6.7	0.0	6.7
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	73.3	-73.3
Import/Export of ER (With NER)								
30	400 kV	BINAGURI-BONGAIGAON	D/C	579	0	8.6	0.0	9
31		ALIPURDUAR-BONGAIGAON	D/C	680	0	10.9	0.0	11
32	220 kV	ALIPURDUAR-SALAKATI	D/C	123	0	1.4	0.0	1
ER-NER						20.9	0.0	20.9
Import/Export of NER (With NR)								
33	HVDC	BISWANATH CHARIALI-AGRA	-	600	0	10.5	0.0	10.5
NER-NR						10.5	0.0	10.5
Import/Export of WR (With NR)								
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	2013	0.0	44.3	-44.3
35		V'CHAL B/B	D/C	242	0	6.1	0.0	6.1
36		APL -MHG	D/C	0	1170	0.0	29.1	-29.1
37	765 kV	GWALIOR-AGRA	D/C	0	2281	0.0	42.3	-42.3
38		PHAGI-GWALIOR	D/C	0	1052	0.0	19.5	-19.5
39		JABALPUR-ORAI	D/C	0	772	0.0	25.6	-25.6
40		GWALIOR-ORAI	S/C	536	0	10.6	0.0	10.6
41		SATNA-ORAI	S/C	0	1334	0.0	28.0	-28.0
42		CHITORGARH-BANASKANTHA	D/C	79	374	0.0	3.6	3.6
43		ZERDA-KANKROLI	S/C	134	0	1.8	0.0	1.8
44	400 kV	ZERDA -BHINMAL	S/C	46	136	0.0	1.0	-1.0
45		V'CHAL -RIHAND	S/C	958	0	21.0	0.0	21.0
46		RAPP-SHUJALPUR	D/C	190	247	0	1	-1
47	220 kV	BHANPURA-KOTA	S/C	37	37	0.2	0.7	-0.5
48		BHANPURA-MORAK	S/C	23	96	0.0	1.4	-1.4
49		MEHGAON-AURAIYA	S/C	52	0	0.6	0.0	0.6
50		MALANPUR-AURAIYA	S/C	18	27	0.0	0.2	-0.2
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						40.1	196.6	-149.3
Import/Export of WR (With SR)								
52	HVDC	BHADRAWATI B/B	-	0	701	0.0	15.2	-15.2
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
54	765 kV	SOLAPUR-RAICHUR	D/C	0	2050	0.0	19.3	-19.3
55		WARDHA-NIZAMABAD	D/C	0	1860	0.0	22.5	-22.5
56	400 kV	KOLHAPUR-KUDGI	D/C	683	0	10.6	0.0	10.6
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	60	1.2	0.0	1.2
WR-SR						11.8	57.0	-45.3
TRANSNATIONAL EXCHANGE								
60		BHUTAN						14.8
61		NEPAL						-8.2
62		BANGLADESH						-24.1