



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: 07th May 2018

To,

1. कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के.,14 , गोल्फ क्लब रोड , कोलकाता - 700033
Executive Director, ERLDC, 14 Golf Club Road, Tolleygunge, Kolkata, 700033
2. महाप्रबंधक, ऊ.क्षे.भा.प्रे.के., 18/ ए, शहीद जीत सिंह सनसनवाल मार्ग, नई दिल्ली - 110016
General Manager, 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. कार्यकारी निदेशक, ऊ.पू.क्षे.भा.प्रे.के., डोंगतिह, लोअर नोंग्रह , लापलंग, शिलोंग - 793006
Executive Director, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
5. महाप्रबंधक , द.क्षे.भा.प्रे.के.,29 , रेस कोर्स क्रॉस रोड, बंगलुरु -560009
General Manager, SRLDC, 29, Race Course Cross Road, Bangalore-560009

Sub: Daily PSP Report for the date 04.05.2018.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 06-मई-2018 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 06th May 2018, is available at the NLDC website.

धन्यवाद,

पावर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड
राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली

Report for previous day

Date of Reporting

7-May-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs)	41940	45906	37638	19974	2137	147596
Peak Shortage (MW)	1213	76	0	0	199	1488
Energy Met (MU)	994	1146	879	429	35	3483
Hydro Gen (MU)	175	34	40	55	11	315
Wind Gen (MU)	39	72	28	-----	-----	139
Solar Gen (MU)*	21.40	21.06	53.29	0.85	0.02	97
Energy Shortage (MU)	12.9	0.0	0.0	0.0	1.6	14.6
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	47807 00:02	49614 00:01	38886 22:17	20719 20:32	2091 19:03	157030 00:00

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	0.031	0.00	0.00	8.15	8.15	87.77	4.09

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	6145	0	129.1	65.5	-1.7	60	0.0
	Haryana	6738	0	133.2	72.1	2.0	587	2.5
	Rajasthan	9713	0	206.2	57.3	-1.5	404	0.0
	Delhi	4894	0	95.2	82.4	-2.1	144	0.0
	UP	14603	1420	329.1	139.3	6.1	1241	1.0
	Uttarakhand	1915	0	36.6	18.4	-0.8	219	0.5
	HP	1209	0	23.2	12.5	0.2	189	0.0
	J&K	1972	493	37.3	25.7	-1.9	198	8.8
WR	Chhattisgarh	197	0	4.0	4.3	-0.3	22	0.0
	Gujarat	3726	0	87.0	22.5	-0.5	113	0.0
	MP	14862	0	337.0	172.1	1.2	248	0.0
	Maharashtra	8518	0	187.1	82.5	-3.6	269	0.0
	Goa	21842	0	495.2	150.2	1.2	575	0.0
	DD	512	0	11.2	10.0	0.7	65	0.0
	DNH	305	0	7.0	6.7	0.2	44	0.0
SR	Essar steel	737	0	17.4	17.3	0.0	30	0.0
	Andhra Pradesh	233	0	4.2	4.8	-0.6	147	0.0
	Telangana	7659	0	168.0	53.7	0.6	449	0.0
	Karnataka	6408	0	140.1	35.7	-0.7	433	0.0
	Kerala	8697	0	193.2	71.2	-0.1	366	0.0
	Tamil Nadu	3386	0	66.6	50.0	1.3	168	0.0
ER	Pondy	13100	0	303.5	152.7	1.7	433	0.0
	Bihar	349	0	7.6	7.9	-0.3	36	0.0
	DVC	4678	0	87.7	85.4	1.7	200	0.0
	Jharkhand	2974	0	68.6	-49.0	-1.1	100	0.0
	Odisha	1141	0	23.6	18.2	0.9	100	0.0
	West Bengal	4467	0	92.0	40.1	1.1	280	0.0
NER	Sikkim	7775	0	156.3	37.2	3.1	480	0.0
	Arunachal Pradesh	81	0	1.0	1.2	-0.2	15	0.0
	Assam	120	7	2.1	2.2	-0.1	35	0.0
	Manipur	1263	133	18.9	17.1	-0.8	138	1.4
	Meghalaya	146	3	2.0	2.4	-0.4	6	0.0
	Mizoram	275	0	5.0	2.6	-0.2	20	0.0
	Nagaland	71	4	1.6	1.4	-0.2	2	0.0
Tripura	105	6	1.8	2.0	-0.3	13	0.0	
		233	5	3.9	3.5	0.2	0	0.1

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	9.8	-10.1	-14.9
Day peak (MW)	683.8	-484.1	-675.1

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	183.6	-163.9	62.1	-82.3	-1.2	-1.8
Actual(MU)	184.5	-177.0	59.4	-76.1	-4.7	-13.9
O/D/U/D(MU)	0.9	-13.0	-2.7	6.3	-3.5	-12.1

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4451	13201	7982	500	206	26340
State Sector	10505	16155	5040	4815	50	36565
Total	14956	29356	13022	5315	256	62904

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	511	1140	604	471	9	2735
Hydro	175	34	41	55	11	316
Nuclear	27	18	46	0	0	91
Gas, Naptha & Diesel	31	55	22	0	24	131
RES (Wind, Solar, Biomass & Others)	85	93	118	1	0	296
Total	828	1339	830	528	44	3570

Share of RES in total generation (%)	10.22	6.92	14.18	0.27	0.07	8.31
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	34.56	10.82	24.67	10.78	25.55	19.72

H. Diversity Factor

All India Demand Diversity Factor	1.013
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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.

सचिव(ऊर्जा)/संयुक्त सचिव(परिषद्)/(ओ एम)/निदेशक(ओ एम)/मुख्य अभियंता-के०वि०प्रा०(ग्रि०प्र०)/

अध्यक्ष एवं प्रबंध निदेशक(पोसोको)/सभी राज्यों के मुख्य सचिव/ऊर्जा सचिव

महाप्रबंधक (रा० भा० प्रे० के०)

INTER-REGIONAL EXCHANGES								Date of Reporting : 7-May-18
SI 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	27	221	0.0	4.7	-4.7
2		SASARAM-FATEHPUR	S/C	251	37	1.2	0.0	1.2
3		GAYA-BALIA	S/C	0	541	0.0	9.5	-9.5
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
5		PUSAULI B/B	S/C	0	147	0.0	3.3	-3.3
6	400 kV	PUSAULI-VARANASI	S/C	0	142	0.0	2.2	-2.2
7		PUSAULI -ALLAHABAD	S/C	0	84	0.0	1.1	-1.1
8		MUZAFFARPUR-GORAKHPUR	D/C	5	663	0.0	8.9	-8.9
9		PATNA-BALIA	Q/C	0	1324	0.0	23.0	-23.0
10		BIHARSHARIFF-BALIA	D/C	0	565	0.0	9.9	-9.9
11		MOTIHARI-GORAKHPUR	D/C	0	267	0.0	4.7	-4.7
12		BIHARSHARIFF-VARANASI	D/C	376	23	0.0	0.7	-0.7
13		220 kV	PUSAULI-SAHUPURI	S/C	0	198	0.0	3.7
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	10	0	0.7	0.0	0.7
16		KARMANASA-SAHUPURI	S/C	0	0	0.0	0.0	0.0
17		KARMANASA-CHANDALI	S/C	0	0	0.0	0.0	0.0
ER-NR						1.9	71.6	-69.7
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	248	193	0.3	0.0	0.3
19		NEW RANCHI-DHARAMJAIGARH	D/C	172	327	0.0	1.9	-1.9
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	715	0	9.0	0.0	9.0
21		RANCHI-SIPAT	D/C	472	0	9.1	0.0	9.1
22	220 kV	BUDHIPADAR-RAIGARH	S/C	26	66	0.0	0.6	-0.6
23		BUDHIPADAR-KORBA	D/C	262	0	4.2	0.0	4.2
ER-WR						22.7	2.4	20.2
Import/Export of ER (With SR)								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1234.8	0.0	22.1	-22.1
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	345.7	0.0	16.0	-16.0
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1885.4	0.0	38.1	-38.1
27	400 kV	TALCHER-I/C	D/C	557.3	98.0	5.8	1.3	4.6
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0
ER-SR						0.0	76.2	-76.2
Import/Export of ER (With NER)								
29	400 kV	BINAGURI-BONGAIGAON	D/C	470	143	2.2	0.0	2
30		ALIPURDUAR-BONGAIGAON	D/C	347	150	3.6	0.0	4
31	220 kV	ALIPURDUAR-SALAKATI	D/C	12	91	0.0	0.8	-1
ER-NER						5.8	0.8	5.1
Import/Export of NER (With NR)								
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	0	0.0	0.0	0.0
NER-NR						0.0	0.0	0.0
Import/Export of WR (With NR)								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	53	2047	0.0	49.9	-49.9
34		V'CHAL B/B	D/C	250	200	0.9	3.0	-2.1
35		APL -MHG	D/C	0	709	0.0	13.3	-13.3
36	765 kV	GWALIOR-AGRA	D/C	0	1304	0.0	23.5	-23.5
37		PHAGI-GWALIOR	D/C	0	1504	0.0	28.3	-28.3
38		JABALPUR-ORAI	D/C	0	802	0.0	11.1	-11.1
39		GWALIOR-ORAI	S/C	189	0	1.4	0.0	1.4
40	400 kV	SATNA-ORAI	S/C	1883	0	0.0	42.1	-42.1
41		ZERDA-KANKROLI	S/C	504	0	10.1	0.0	10.1
42		ZERDA -BHINMAL	S/C	465	0	9.2	0.0	9.2
43		V'CHAL -RIHAND	S/C	977	0	22.2	0.0	22.2
44		RAPP-SHUJALPUR	D/C	51	175	0	0	0
45	220 kV	BADOD-KOTA	S/C	59	10	0.7	0.0	0.7
46		BADOD-MORAK	S/C	12	39	0.0	0.3	-0.3
47		MEHGAON-AURAIYA	S/C	131	0	2.2	0.0	2.2
48	132kV	MALANPUR-AURAIYA	S/C	0	0	0.0	0.0	0.0
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						46.7	171.5	-124.8
Import/Export of WR (With SR)								
50	HVDC	BHADRAWATI B/B	-	0	600	0.0	14.4	-14.4
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	765 kV	SOLAPUR-RAICHUR	D/C	580	1022	0.0	1.4	-1.4
53		WARDHA-NIZAMABAD	D/C	0	1773	0.0	23.6	-23.6
54	400 kV	KOLHAPUR-KUDGI	D/C	476	28	7.6	0.0	7.6
55	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
56		PONDA-AMBEWADI	S/C	0	0	0.0	0.0	0.0
57		XELDEM-AMBEWADI	S/C	73	0	1.5	0.0	1.5
WR-SR						9.1	39.4	-30.3
TRANSNATIONAL EXCHANGE								
58		BHUTAN						9.8
59		NEPAL						-10.1
60		BANGLADESH						-14.9