



**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: 06<sup>th</sup> Apr 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 05.04.2018.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 05-Apr-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 05<sup>th</sup> Apr 2018, 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

6-Apr-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	44182	47451	43693	19203	2170	156700
Peak Shortage (MW)	969	58	0	0	247	1275
Energy Met (MU)	942	1153	1019	393	40	3547
Hydro Gen(MU)	109	25	78	30	6	249
Wind Gen(MU)	18	58	25	-----	-----	100
Solar Gen (MU)*	14.05	19.79	51.16	0.78	0.02	86
Energy Shortage (MU)	10.6	0.0	0.0	0.0	1.6	12.2
Maximum Demand Met during the day (MW) (from NLDC SCADA)	45311	49588	45385	19706	2192	158181

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	0.036	0.00	0.35	8.39	8.74	84.46	6.81

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	5548	0	124.8	55.0	0.0	107	0.0
	Haryana	6493	183	119.5	49.9	3.5	305	0.3
	Rajasthan	8911	0	188.9	44.2	0.2	578	0.0
	Delhi	4339	0	89.9	71.7	0.1	175	0.1
	UP	15230	125	310.9	102.9	0.2	330	0.0
	Uttarakhand	1839	0	35.5	26.7	0.4	115	0.1
	HP	1350	0	25.8	17.0	1.5	389	0.0
	J&K	2183	546	42.6	32.0	0.8	624	10.1
	Chandigarh	197	0	4.0	4.0	0.1	32	0.0
WR	Chhattisgarh	3845	0	87.0	16.3	-2.4	241	0.0
	Gujarat	15225	0	344.2	166.0	3.8	441	0.0
	MP	8514	0	183.6	81.7	-1.3	306	0.0
	Maharashtra	22744	0	495.0	153.7	0.8	338	0.0
	Goa	603	0	11.7	11.3	-0.2	66	0.0
	DD	324	0	7.2	6.4	0.8	123	0.0
	DNH	762	0	18.0	17.1	0.8	65	0.0
	Essar steel	400	0	6.8	7.0	-0.2	192	0.0
	SR	Andhra Pradesh	8156	0	172.8	45.4	1.1	432
Telangana		8841	0	196.6	100.9	0.3	456	0.0
Karnataka		10289	0	228.8	79.0	0.2	430	0.0
Kerala		3950	0	80.7	49.8	2.1	212	0.0
Tamil Nadu		14941	0	332.8	172.9	3.0	464	0.0
Pondy		333	0	7.4	7.8	-0.5	31	0.0
Bihar		4392	0	69.8	69.5	-3.2	50	0.0
ER	DVC	2982	150	67.0	-47.3	3.0	300	0.0
	Jharkhand	1170	0	23.6	13.2	0.1	100	0.0
	Odisha	3745	0	70.8	26.7	-2.1	50	0.0
	West Bengal	7945	0	160.2	29.2	0.9	210	0.0
	Sikkim	103	0	1.3	1.4	-0.1	20	0.0
NER	Arunachal Pradesh	113	5	2.1	1.6	0.5	65	0.0
	Assam	1295	152	23.8	20.2	1.4	95	1.4
	Manipur	163	4	2.3	2.4	-0.1	24	0.0
	Meghalaya	288	0	4.6	2.5	-0.1	45	0.0
	Mizoram	76	3	1.2	1.1	0.0	10	0.0
	Nagaland	126	7	2.0	1.6	0.3	30	0.1
	Tripura	229	3	4.1	3.0	0.8	50	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	2.7	-8.1	-14.7
Day peak (MW)	119.1	-512.7	-654.3

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	155.2	-176.3	95.3	-80.9	6.8	0.2
Actual(MU)	157.3	-171.1	86.0	-77.7	8.8	3.3
O/D/U/D(MU)	2.1	5.2	-9.4	3.2	2.0	3.1

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5693	13071	5312	1040	410	25526
State Sector	8885	16670	4950	4875	50	35430
Total	14578	29741	10262	5915	460	60955

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	Total
Thermal (Coal & Lignite)	570	1157	684	471	11	2892
Hydro	109	25	79	30	6	250
Nuclear	31	29	47	0	0	107
Gas, Naptha & Diesel	30	62	22	0	18	132
RES (Wind, Solar, Biomass & Others)	60	78	113	2	0	253
Total	801	1351	944	503	36	3634

\*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(ग्रि०प्रा०)/  
मुख्य कार्यपालक अधिकारी(पोसोको)/सभी राज्यों के मुख्य सचिव/ऊर्जा सचिव

**INTER-REGIONAL EXCHANGES**

Date of Reporting : **6-Apr-18**

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)
<b>Import/Export of ER (With NR)</b>								
1	765kV	GAYA-VARANASI	D/C	0	442	0.0	7.0	-7.0
2		SASARAM-FATEHPUR	S/C	0	243	0.0	2.3	-2.3
3		GAYA-BALIA	S/C	0	437	0.0	8.1	-8.1
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
5		PUSAULI B/B	S/C	0	0	0.0	0.0	0.0
6	400 kV	PUSAULI-VARANASI	S/C	0	29	0.3	0.0	0.3
7		PUSAULI -ALLAHABAD	S/C	0	38	0.6	0.0	0.6
8		MUZAFFARPUR-GORAKHPUR	D/C	0	491	0.0	8.0	-8.0
9		PATNA-BALIA	Q/C	0	898	0.0	15.6	-15.6
10		BIHARSHARIFF-BALIA	D/C	0	267	0.0	6.2	-6.2
11		MOTIHARI-GORAKHPUR	D/C	0	348	0.0	6.3	-6.3
12		BIHARSHARIFF-VARANASI	D/C	0	136	0.0	3.5	-3.5
13	220 kV	PUSAULI-SAHUPURI	S/C	0	187	0.0	3.5	-3.5
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	0	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	0	0.0	0.0	0.0
<b>ER-NR</b>						<b>1.3</b>	<b>60.5</b>	<b>-59.2</b>
<b>Import/Export of ER (With WR)</b>								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	0	0	9.9	0.0	9.9
19	400 kV	NEW RANCHI-DHARAMJAIGARH	D/C	0	214	2.4	0.0	2.4
20		JHARSUGUDA-RAIGARH	Q/C	0	163	2.6	0.0	2.6
21		RANCHI-SIPAT	D/C	0	4	3.3	0.0	3.3
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	120	0.0	1.5	-1.5
23		BUDHIPADAR-KORBA	D/C	0	0	4.5	0.0	4.5
<b>ER-WR</b>						<b>22.7</b>	<b>1.5</b>	<b>21.1</b>
<b>Import/Export of ER (With SR)</b>								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	0.0	0.0	26.4	-26.4
25	HVDC LINK	JEYPORE-GAZUWAKA B/B	D/C	0.0	318.4	0.0	15.0	-15.0
26		TALCHER-KOLAR BIPOLE	D/C	0.0	2333.9	0.0	43.8	-43.8
27	400 kV	TALCHER-I/C	D/C	0.0	111.8	3.3	1.8	1.5
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0
<b>ER-SR</b>						<b>0.0</b>	<b>85.2</b>	<b>-85.2</b>
<b>Import/Export of ER (With NER)</b>								
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	175	0.7	0.0	1
30		ALIPURDUAR-BONGAIGAON	D/C	0	176	3.9		4
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	0	0.0	1.2	-1
<b>ER-NER</b>						<b>4.6</b>	<b>1.2</b>	<b>3.4</b>
<b>Import/Export of NER (With NR)</b>								
32	HVDC	BISWANATH CHARIALI-AGRA	-	487	0	11.5	0.0	11.5
<b>NER-NR</b>						<b>11.5</b>	<b>0.0</b>	<b>11.5</b>
<b>Import/Export of WR (With NR)</b>								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	905	0.0	35.8	-35.8
34		V'CHAL B/B	D/C	0	100	0.0	2.4	-2.4
35		APL -MHG	D/C	0	307	0.0	7.4	-7.4
36	765 kV	GWALIOR-AGRA	D/C	0	2504	0.0	50.0	-50.0
37		PHAGI-GWALIOR	D/C	0	1112	0.0	21.3	-21.3
38		JABALPUR-ORAI	D/C	0	577	0.0	8.9	-8.9
39		GWALIOR-ORAI	S/C	683	0	14.6	0.0	14.6
40	400 kV	SATNA-ORAI	S/C	0	1657	0.0	39.8	-39.8
41		ZERDA-KANKROLI	S/C	388	0	7.9	0.0	7.9
42		ZERDA -BHINMAL	S/C	407	0	6.9	0.0	6.9
43		V'CHAL -RIHAND	S/C	964	0	22.5	0.0	22.5
44		RAPP-SHUJALPUR	D/C	0	310	0	3	-3
45		BADOD-KOTA	S/C	44	17	0.4	0.1	0.4
46		BADOD-MORAK	S/C	12	34	0.1	0.4	-0.3
47	220 kV	MEHGAON-AURAIYA	S/C	58	0	1.0	0.0	1.0
48		MALANPUR-AURAIYA	S/C	32	0	0.4	0.0	0.4
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
<b>WR-NR</b>						<b>53.9</b>	<b>168.6</b>	<b>-114.7</b>
<b>Import/Export of WR (With SR)</b>								
50	HVDC LINK	BHADRAWATI B/B	-	0	1000	0.0	23.9	-23.9
51	765 kV	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52		SOLAPUR-RAICHUR	D/C	551	1016	0.0	6.6	-6.6
53	400 kV	WARDHA-NIZAMABAD	D/C	0	1949	0.0	30.2	-30.2
54		KOLHAPUR-KUDGI	D/C	940	0	12.3	0.0	12.3
55		KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
56	220 kV	PONDA-AMBEWADI	S/C	0	0	0.0	0.0	0.0
57		XELDEM-AMBEWADI	S/C	0	0	0.0	0.0	0.0
<b>WR-SR</b>						<b>12.3</b>	<b>60.8</b>	<b>-48.5</b>
<b>TRANSNATIONAL EXCHANGE</b>								
58		BHUTAN						<b>2.7</b>
59		NEPAL						<b>-8.1</b>
60		BANGLADESH						<b>-14.7</b>