



**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: 24<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 23.04.2018.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 23-अप्रैल-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 23<sup>rd</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

24-Apr-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs: from RLDCs)	44740	48215	43023	20152	2329	158459
Peak Shortage (MW)	871	84	135	0	133	1223
Energy Met (MU)	951	1173	978	441	38	3582
Hydro Gen(MU)	122	37	62	47	8	276
Wind Gen(MU)	3	39	32	-----	-----	74
Solar Gen (MU)*	17.24	22.55	57.03	0.90	0.01	98
Energy Shortage (MU)	11.6	0.2	0.1	0.0	1.4	13.3
Maximum Demand Met during the day (MW) (from NLDC SCADA)	46030	51870	44821	20414	2385	159600

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	0.073	0.36	1.61	19.65	21.62	75.39	2.99

C. Power Supply Position in States

Region/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	5814	0	117.4	46.7	0.0	143	0.0
	Haryana	6733	0	123.8	61.1	1.4	303	0.8
	Rajasthan	8892	0	192.2	63.0	2.2	449	0.7
	Delhi	4147	0	85.8	69.2	-1.4	87	0.0
	UP	15769	0	324.2	101.5	4.5	840	0.0
	Uttarakhand	1851	0	36.9	21.4	0.4	173	0.0
	HP	1334	0	24.5	15.6	-0.1	208	0.0
	J&K	2077	519	42.6	30.8	-0.6	193	10.0
WR	Chandigarh	201	0	4.0	4.2	-0.2	25	0.0
	Chhattisgarh	3841	0	88.5	23.4	-1.5	255	0.2
	Gujarat	15607	0	345.1	173.7	3.5	856	0.0
	MP	8786	0	188.5	94.0	-1.1	381	0.0
	Maharashtra	23717	0	512.2	136.7	2.9	440	0.0
	Goa	533	0	12.0	11.0	0.3	119	0.0
	DD	324	0	7.2	5.6	1.6	123	0.0
	DNH	754	0	17.5	16.5	1.0	105	0.0
SR	Essar steel	142	0	2.3	2.3	0.0	148	0.0
	Andhra Pradesh	8770	0	176.7	66.3	2.6	453	0.0
	Telangana	7988	0	171.7	62.3	-1.8	243	0.0
	Karnataka	9786	0	204.9	67.8	-1.7	343	0.0
	Kerala	3652	0	77.2	53.3	1.0	184	0.0
	Tamil Nadu	15168	0	340.0	170.7	2.5	835	0.0
ER	Pondy	362	0	7.8	8.0	-0.3	43	0.1
	Bihar	4611	0	87.0	85.5	-1.3	200	0.0
	DVC	3034	0	71.2	-63.4	-1.3	220	0.0
	Jharkhand	1194	0	23.8	17.6	0.0	85	0.0
	Odisha	4423	0	93.0	37.9	1.0	220	0.0
	West Bengal	7961	0	164.9	50.9	1.1	220	0.0
NER	Sikkim	90	0	1.4	1.5	-0.2	15	0.0
	Arunachal Pradesh	120	3	2.1	2.0	0.1	45	0.0
	Assam	1387	105	21.9	18.8	0.6	75	1.1
	Manipur	165	4	2.4	2.4	0.0	33	0.0
	Meghalaya	266	0	4.8	3.1	-0.2	44	0.0
	Mizoram	82	2	1.4	1.4	-0.1	32	0.0
NER	Nagaland	134	3	1.9	1.9	-0.1	25	0.0
	Tripura	215	10	3.4	3.2	0.1	53	0.1

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	4.2	-9.3	-14.7
Day peak (MW)	224.0	-517.0	-663.3

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	164.0	-190.2	83.1	-58.7	0.7	-1.1
Actual(MU)	169.4	-188.6	83.0	-61.7	-0.2	1.9
O/D/U/D(MU)	5.4	1.5	0.0	-3.0	-0.9	3.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	6438	14175	6732	1570	155	29069
State Sector	8130	15800	4700	4245	50	32925
Total	14568	29975	11432	5815	204	61994

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	Total
Thermal (Coal & Lignite)	575	1185	652	476	10	2898
Hydro	122	37	64	47	8	278
Nuclear	24	31	46	0	0	100
Gas, Naptha & Diesel	33	63	20	0	24	140
RES (Wind, Solar, Biomass & Others)	49	62	127	2	0	240
Total	803	1376	909	525	42	3656

\*Source: RLDCs for solar connected to ISTS; SLDCs for embedded solar. Limited visibility of embedded solar data.

सचिव(ऊर्जा)/संयुक्त सचिव(पारेषण)/(ओ एम)/निदेशक(ओ एम)/मुख्य अभियंता-के०वि०प्रा०(मि०प्रा०)/  
मुख्य कार्यपालक अधिकारी(पोसोको)/सभी राज्यों के मुख्य सचिव/ऊर्जा सचिव

महाप्रबंधक (रा० भा० प्रे० के०)

<b>INTER-REGIONAL EXCHANGES</b>								Date of Reporting : <b>24-Apr-18</b>
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)
<b>Import/Export of ER (With NR)</b>								
1	765kV	GAYA-VARANASI	D/C	0	393	0.0	3.7	-3.7
2		SASARAM-FATEHPUR	S/C	71	118	0.0	0.3	-0.3
3		GAYA-BALIA	S/C	0	548	0.0	8.8	-8.8
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
5		PUSAULI B/B	S/C	3	0	0.0	0.0	0.0
6	400 kV	PUSAULI-VARANASI	S/C	68	48	0.6	0.0	0.6
7		PUSAULI -ALLAHABAD	S/C	73	31	0.8	0.0	0.8
8		MUZAFFARPUR-GORAKHPUR	D/C	3	509	0.0	6.5	-6.5
9		PATNA-BALIA	Q/C	0	864	0.0	13.8	-13.8
10		BIHARSHARIFF-BALIA	D/C	0	295	0.0	5.7	-5.7
11		MOTIHARI-GORAKHPUR	D/C	0	238	0.0	4.5	-4.5
12		BIHARSHARIFF-VARANASI	D/C	199	228	0.0	2.6	-2.6
13	220 kV	PUSAULI-SAHUPURI	S/C	0	193	0.0	3.4	-3.4
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	36	0	0.5	0.0	0.5
16		KARMANASA-SAHUPURI	S/C	3	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>1.9</b>	<b>49.4</b>	<b>-47.5</b>
<b>Import/Export of ER (With WR)</b>								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	792	0	20.3	0.0	20.3
19		NEW RANCHI-DHARAMJAIGARH	D/C	479	45	6.8	0.0	6.8
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	680	377	6.4	0.0	6.4
21		RANCHI-SIPAT	D/C	243	0	3.0	0.0	3.0
22	220 kV	BUDHIPADAR-RAIGARH	S/C	10	155	0.0	1.4	-1.4
23		BUDHIPADAR-KORBA	D/C	229	36	3.3	0.0	3.3
<b>ER-WR</b>						<b>39.8</b>	<b>1.4</b>	<b>38.4</b>
<b>Import/Export of ER (With SR)</b>								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1649.8	0.0	24.6	-24.6
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	424.8	0.0	14.9	-14.9
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1896.7	0.0	41.0	-41.0
27	400 kV	TALCHER-I/C	D/C	283.3	845.0	0.0	7.6	-7.6
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>80.4</b>	<b>-80.4</b>
<b>Import/Export of ER (With NER)</b>								
29	400 kV	BINAGURI-BONGAIGAON	D/C	192	842	0.0	2.7	-3
30		ALIPURDUAR-BONGAIGAON	D/C	122	684	0.0	2.7	-3
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	121	0.0	1.6	-2
<b>ER-NER</b>						<b>0.0</b>	<b>7.1</b>	<b>-7.1</b>
<b>Import/Export of NER (With NR)</b>								
32	HVDC	BISWANATH CHARIALI-AGRA	-	700	501	0.8	8.7	-7.9
<b>NER-NR</b>						<b>0.8</b>	<b>8.7</b>	<b>-7.9</b>
<b>Import/Export of WR (With NR)</b>								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1150	0.0	27.0	-27.0
34		V'CHAL B/B	D/C	200	0	3.8	0.0	3.8
35		APL -MHG	D/C	0	307	0.0	7.4	-7.4
36	765 kV	GWALIOR-AGRA	D/C	0	1930	0.0	35.0	-35.0
37		PHAGI-GWALIOR	D/C	0	1854	0.0	39.7	-39.7
38		JABALPUR-ORAI	D/C	0	754	0.0	14.4	-14.4
39		GWALIOR-ORAI	S/C	591	0	11.1	0.0	11.1
40		SATNA-ORAI	S/C	0	1731	0.0	40.0	-40.0
41	400 kV	ZERDA-KANKROLI	S/C	403	0	7.6	0.0	7.6
42		ZERDA -BHINMAL	S/C	341	0	5.5	0.0	5.5
43		V'CHAL -RIHAND	S/C	980	0	22.7	0.0	22.7
44		RAPP-SHUALPUR	D/C	0	300	0	2	-2
45	220 kV	BADOD-KOTA	S/C	101	0	1.1	0.0	1.1
46		BADOD-MORAK	S/C	51	27	0.3	0.1	0.2
47		MEHGAON-AURAIYA	S/C	176	0	3.3	0.0	3.3
48		MALANPUR-AURAIYA	S/C	0	39	0.0	0.2	-0.2
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
<b>WR-NR</b>						<b>55.3</b>	<b>166.2</b>	<b>-110.8</b>
<b>Import/Export of WR (With SR)</b>								
50	HVDC	BHADRAWATI B/B	-	0	1000	0.0	17.5	-17.5
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	765 kV	SOLAPUR-RAICHUR	D/C	327	1552	0.0	11.6	-11.6
53		WARDHA-NIZAMABAD	D/C	0	1258	0.0	25.2	-25.2
54	400 kV	KOLHAPUR-KUDGI	D/C	491	63	5.7	0.0	5.7
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	100	0	2.2	0.0	2.2
<b>WR-SR</b>						<b>7.9</b>	<b>54.3</b>	<b>-46.4</b>
<b>TRANSNATIONAL EXCHANGE</b>								
58		BHUTAN						<b>4.2</b>
59		NEPAL						<b>-9.3</b>
60		BANGLADESH						<b>-14.7</b>