



**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: 23<sup>rd</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 22.04.2018.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 22-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 22<sup>nd</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

23-Apr-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs: from RLDCs)	42805	44520	38756	20118	2308	148507
Peak Shortage (MW)	505	0	0	0	106	611
Energy Met (MU)	901	1134	946	424	37	3442
Hydro Gen(MU)	116	25	42	40	8	231
Wind Gen(MU)	15	40	48	-----	-----	103
Solar Gen (MU)*	14.53	22.20	55.16	0.88	0.01	93
Energy Shortage (MU)	9.5	0.0	0.0	0.0	1.5	11.0
Maximum Demand Met during the day (MW) (from NLDC SCADA)	44071	48849	42115	20411	2274	154599

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	0.030	0.00	0.00	4.87	4.87	80.59	14.54

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	5528	0	107.7	42.7	-0.7	144	0.0
	Haryana	6132	175	115.1	55.2	1.6	227	0.5
	Rajasthan	8908	0	187.7	60.5	2.0	489	0.0
	Delhi	3821	0	79.5	63.3	-1.9	198	0.0
	UP	16154	0	312.2	105.7	3.5	934	0.0
	Uttarakhand	1706	0	34.8	18.9	0.5	113	0.0
	HP	1252	0	22.6	14.0	0.9	139	0.0
	J&K	2030	507	37.7	30.6	-5.3	95	9.0
WR	Chandigarh	169	0	3.4	3.5	-0.1	25	0.0
	Chhattisgarh	3765	0	89.2	26.0	-1.6	119	0.0
	Gujarat	14586	0	330.4	173.0	1.7	189	0.0
	MP	8648	0	187.6	95.7	-1.4	274	0.0
	Maharashtra	21788	0	487.1	133.8	0.2	306	0.0
	Goa	533	0	12.0	9.9	1.4	67	0.0
	DD	309	0	7.0	6.2	0.9	77	0.0
	DNH	736	0	17.2	16.7	0.4	45	0.0
SR	Essar steel	202	0	2.9	2.3	0.6	128	0.0
	Andhra Pradesh	8506	0	181.0	67.1	1.3	420	0.0
	Telangana	7550	0	168.4	60.7	-0.2	418	0.0
	Karnataka	9133	0	195.1	62.7	-2.1	440	0.0
	Kerala	3527	0	70.4	52.2	1.4	215	0.0
	Tamil Nadu	13772	0	324.0	163.9	1.0	428	0.0
ER	Pondy	356	0	7.6	8.1	-0.5	53	0.0
	Bihar	4566	0	87.2	86.5	-1.9	190	0.0
	DVC	3025	0	71.9	-41.3	-0.6	220	0.0
	Jharkhand	1168	0	23.5	16.8	0.6	85	0.0
	Odisha	4511	0	89.5	33.9	0.7	225	0.0
	West Bengal	7602	0	151.4	40.3	1.3	220	0.0
NER	Sikkim	84	0	1.0	1.5	-0.5	15	0.0
	Arunachal Pradesh	106	11	2.1	2.1	0.1	45	0.0
	Assam	1375	70	21.3	16.5	0.5	75	1.2
	Manipur	149	6	2.2	2.4	-0.2	33	0.0
	Meghalaya	286	12	4.8	3.3	-0.1	44	0.0
	Mizoram	80	3	1.4	1.4	0.0	32	0.0
NER	Nagaland	125	2	1.9	2.0	-0.1	25	0.0
	Tripura	220	10	3.0	2.8	-0.3	53	0.2

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	5.2	-11.1	-14.2
Day peak (MW)	426.2	-290.4	-637.7

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	159.9	-210.0	93.7	-45.7	1.3	-0.9
Actual(MU)	168.8	-218.6	93.7	-43.0	-0.5	0.3
O/D/U/D(MU)	8.9	-8.6	0.0	2.7	-1.8	1.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	6238	12296	6752	2140	155	27581
State Sector	8340	16229	4700	4035	50	33354
Total	14578	28525	11452	6175	204	60934

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	Total
Thermal (Coal & Lignite)	530	1184	616	440	8	2778
Hydro	116	25	44	40	8	232
Nuclear	24	31	46	0	0	100
Gas, Naptha & Diesel	33	57	21	0	24	135
RES (Wind, Solar, Biomass & Others)	57	63	141	2	0	262
Total	760	1359	868	482	39	3508

\*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>23-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	277	0.0	3.7	-3.7
2		SASARAM-FATEHPUR	S/C	163	59	1.1	0.0	1.1
3		GAYA-BALIA	S/C	0	523	0.0	8.3	-8.3
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	83	0	1.6	0.0	1.6
7		PUSAULI -ALLAHABAD	S/C	114	0	1.0	0.0	1.0
8		MUZAFFARPUR-GORAKHPUR	D/C	125	405	0.0	3.4	-3.4
9		PATNA-BALIA	Q/C	0	756	0.0	11.8	-11.8
10		BIHARSHARIFF-BALIA	D/C	0	262	0.0	3.5	-3.5
11		MOTIHARI-GORAKHPUR	D/C	0	229	0.0	3.3	-3.3
12		BIHARSHARIFF-VARANASI	D/C	188	251	0.0	0.8	-0.8
13	220 kV	PUSAULI-SAHUPURI	S/C	0	200	0.0	3.7	-3.7
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>4.2</b>	<b>38.6</b>	<b>-34.4</b>
<b>Import/Export of ER (With WR)</b>								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1082	0	15.1	0.0	15.1
19		NEW RANCHI-DHARAMJAIGARH	D/C	642	0	10.1	0.0	10.1
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	765	0	11.4	0.0	11.4
21		RANCHI-SIPAT	D/C	304	0	6.1	0.0	6.1
22	220 kV	BUDHIPADAR-RAIGARH	S/C	28	87	0.0	0.7	-0.7
23		BUDHIPADAR-KORBA	D/C	199	0	3.4	0.0	3.4
<b>ER-WR</b>						<b>46.0</b>	<b>0.7</b>	<b>45.3</b>
<b>Import/Export of ER (With SR)</b>								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	2147.6	0.0	26.5	-26.5
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	413.9	0.0	14.7	-14.7
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2038.7	0.0	46.9	-46.9
27	400 kV	TALCHER-I/C	D/C	0.0	769.0	0.0	10.0	-10.0
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>88.1</b>	<b>-88.1</b>
<b>Import/Export of ER (With NER)</b>								
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	806	0.0	5.1	-5
30		ALIPURDUAR-BONGAIGAON	D/C	0	648	0.0	2.6	-3
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	159	0.0	1.8	-2
<b>ER-NER</b>						<b>0.0</b>	<b>9.5</b>	<b>-9.5</b>
<b>Import/Export of NER (With NR)</b>								
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	501	0.0	11.8	-11.8
<b>NER-NR</b>						<b>0.0</b>	<b>11.8</b>	<b>-11.8</b>
<b>Import/Export of WR (With NR)</b>								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	2	1125	0.0	47.7	-47.7
34		V'CHAL B/B	D/C	200	0	3.6	0.0	3.6
35		APL -MHG	D/C	0	307	0.0	7.4	-7.4
36	765 kV	GWALIOR-AGRA	D/C	0	1772	0.0	14.8	-14.8
37		PHAGI-GWALIOR	D/C	0	1844	0.0	35.7	-35.7
38		JABALPUR-ORAI	D/C	0	755	0.0	14.1	-14.1
39		GWALIOR-ORAI	S/C	449	0	9.4	0.0	9.4
40		SATNA-ORAI	S/C	0	1508	0.0	39.3	-39.3
41	400 kV	ZERDA-KANKROLI	S/C	451	0	8.6	0.0	8.6
42		ZERDA -BHINMAL	S/C	371	0	6.8	0.0	6.8
43		V'CHAL -RIHAND	S/C	971	0	21.4	0.0	21.4
44		RAPP-SHUALPUR	D/C	0	249	0	2	-2
45	220 kV	BADOD-KOTA	S/C	77	0	1.1	0.0	1.1
46		BADOD-MORAK	S/C	28	16	0.3	0.1	0.2
47		MEHGAON-AURAIYA	S/C	183	0	3.4	0.0	3.4
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>54.5</b>	<b>160.9</b>	<b>-106.4</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	86	1097	0.0	11.0	-11.0
53		WARDHA-NIZAMABAD	D/C	0	2017	0.0	28.8	-28.8
54	400 kV	KOLHAPUR-KUDGI	D/C	397	0	6.3	0.0	6.3
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>8.5</b>	<b>57.3</b>	<b>-48.8</b>
<b>TRANSNATIONAL EXCHANGE</b>								
58		BHUTAN						<b>5.2</b>
59		NEPAL						<b>-11.1</b>
60		BANGLADESH						<b>-14.2</b>