



**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: 05<sup>th</sup> June 2018

To,

1. महाप्रबंधक, पू.क्षे.भा.प्रे.के.,14, गोल्फ क्लब रोड, कोलकाता - 700033  
General Manager, 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. महाप्रबंधक, प.क्षे.भा.प्रे.के., एफ3-, एम आई डी सी क्षेत्र, अंधेरी, मुंबई -400093  
General Manager, WRLDC, F-3, M.I.D.C. Area, Marol, Andheri (East), Mumbai-400093
4. महाप्रबंधक, ऊ.पू.क्षे.भा.प्रे.के., डोंगतिह, लोअर नोंग्रह, लापलंग, शिलोंग - 793006  
General Manager, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
5. अपर महाप्रबंधक, द.क्षे.भा.प्रे.के.,29, रेस कोर्स क्रॉस रोड, बंगलुरु -560009  
Additional General Manager, SRLDC, 29, Race Course Cross Road, Bangalore-560009

**Sub: Daily PSP Report for the date 04.06.2018.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 04-जून 2018 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रांभांप्रेके 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 04<sup>th</sup> June 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

5-Jun-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs)	53496	47099	40476	20568	2506	164145
Peak Shortage (MW)	913	56	0	0	113	1082
Energy Met (MU)	1263	1134	838	456	47	3738
Hydro Gen (MU)	302	19	43	73	17	454
Wind Gen (MU)	47	90	100	-----	-----	237
Solar Gen (MU)*	16.22	19.46	54.56	0.81	0.02	91
Energy Shortage (MU)	9.2	0.0	0.0	0.0	1.3	10.5
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	57489 22:55	52518 15:30	41264 19:55	21792 21:02	2592 19:00	167364 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	0.061	0.27	1.74	16.02	18.02	77.87	4.11

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	8564	0	190.8	103.9	-0.3	123	0.0
	Haryana	8095	0	171.6	120.2	1.7	291	0.2
	Rajasthan	11338	0	257.7	68.9	0.2	309	0.0
	Delhi	6325	0	127.8	103.1	-1.2	149	0.0
	UP	18544	0	400.2	182.7	-0.3	209	0.0
	Uttarakhand	2064	0	44.3	19.8	1.9	288	0.0
	HP	1376	0	26.2	3.2	0.4	140	0.0
	J&K	2052	513	37.9	18.1	-4.4	89	8.9
WR	Chandigarh	331	0	6.4	6.7	-0.3	11	0.0
	Chhattisgarh	3474	0	76.1	18.3	-0.8	184	0.0
	Gujarat	16553	0	360.3	157.2	4.2	488	0.0
	MP	8627	0	189.8	90.9	-2.4	435	0.0
	Maharashtra	22204	0	465.0	133.7	1.4	736	0.0
	Goa	465	0	9.8	9.8	-0.6	61	0.0
	DD	344	0	7.5	6.7	0.8	77	0.0
	DNH	789	0	18.1	17.9	0.2	42	0.0
SR	Essar steel	377	0	7.2	6.9	0.3	208	0.0
	Andhra Pradesh	8191	0	165.9	44.2	-0.1	555	0.0
	Telangana	6947	0	142.8	60.8	-0.8	588	0.0
	Karnataka	7967	0	156.0	46.5	0.1	424	0.0
	Kerala	3402	0	65.7	51.8	0.7	185	0.0
	Tamil Nadu	13890	0	299.6	111.7	2.9	1256	0.0
	Pondy	382	0	7.8	8.2	-0.4	84	0.0
	ER	Bihar	4809	0	94.1	89.6	1.6	403
DVC		3057	0	72.4	-52.6	0.5	375	0.0
Jharkhand		1125	0	24.0	17.4	1.7	135	0.0
Odisha		4556	0	92.2	42.6	1.0	389	0.0
West Bengal		8547	0	171.9	41.4	2.5	445	0.0
NER	Sikkim	90	0	1.2	1.3	-0.1	20	0.0
	Arunachal Pradesh	105	5	2.2	2.3	0.0	52	0.0
	Assam	1623	35	30.0	25.0	-0.2	204	1.1
	Manipur	139	6	2.2	2.3	-0.1	29	0.0
	Meghalaya	277	1	4.9	2.3	-0.2	43	0.0
	Mizoram	79	1	1.5	1.3	0.0	19	0.0
	Nagaland	110	1	2.0	1.9	0.0	21	0.0
	Tripura	269	1	4.5	3.9	0.6	37	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	9.9	-9.7	-15.1
Day peak (MW)	549.7	-484.4	-672.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	229.1	-196.9	41.1	-76.3	3.7	0.7
Actual(MU)	231.6	-201.8	37.5	-64.8	1.9	4.4
O/D/U/D(MU)	2.5	-4.9	-3.6	11.5	-1.8	3.7

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3923	11279	7962	2045	146	25355
State Sector	8020	16063	6800	5005	50	35938
Total	11943	27342	14762	7050	196	61292

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	619	1147	523	470	9	2769
Hydro	302	19	44	73	17	455
Nuclear	31	29	46	0	0	107
Gas, Naptha & Diesel	28	49	19	0	23	119
RES (Wind, Solar, Biomass & Others)	77	109	185	1	0	372
Total	1058	1353	817	544	50	3822

Share of RES in total generation (%)	7.24	8.07	22.65	0.25	0.08	9.74
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	38.77	11.64	33.64	13.63	34.97	24.44

H. Diversity Factor

All India Demand Diversity Factor	1.050
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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 (पारेषण)/(ओ एम)/निदेशक (ओ एम)/मुख्य अभियंता-के०वि०प्रा०(ग्रिड) / अध्यक्ष एवं प्रबंध निदेशक (पोसीको)/सभी राज्यों के मुख्य सचिव/ऊर्जा सचिव

महाप्रबंधक (रा० भा० प्र० के०)

INTER-REGIONAL EXCHANGES								Date of Reporting :	5-Jun-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)	
<b>Import/Export of ER (With NR)</b>									
1	765kV	GAYA-VARANASI	D/C	0	343	0.0	6.5	-6.5	
2		SASARAM-FATEHPUR	S/C	145	97	0.2	0.0	0.2	
3		GAYA-BALIA	S/C	0	513	0.0	9.8	-9.8	
4	HVDC	ALIPURDUAR-AGRA	-	0	286	0.0	12.1	-12.1	
5		PUSAULI B/B	S/C	0	49	0.0	1.3	-1.3	
6	400 kV	PUSAULI-VARANASI	S/C	0	97	0.0	0.0	0.0	
7		PUSAULI -ALLAHABAD	S/C	38	16	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	415	0.0	6.6	-6.6	
9		PATNA-BALIA	Q/C	0	669	0.0	12.2	-12.2	
10		BIHARSHARIFF-BALIA	D/C	0	291	0.0	5.5	-5.5	
11		MOTIHARI-GORAKHPUR	D/C	6	253	0.0	4.2	-4.2	
12	220 kV	BIHARSHARIFF-VARANASI	D/C	211	119	0.0	1.0	-1.0	
13		PUSAULI-SAHUPURI	S/C	0	215	0.0	4.4	-4.4	
14		SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
15		132 kV	GARWAH-RIHAND	S/C	35	0	0.4	0.0	0.4
16			KARMANASA-SAHUPURI	S/C	0	42	0.0	0.0	0.0
17		KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0	
<b>ER-NR</b>						<b>0.6</b>	<b>63.5</b>	<b>-63.0</b>	
<b>Import/Export of ER (With WR)</b>									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1011	0	14.2	0.0	14.2	
19		NEW RANCHI-DHARAMJAIGARH	D/C	509	174	5.6	0.0	5.6	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	991	0	18.9	0.0	18.9	
21		RANCHI-SIPAT	D/C	445	0	5.4	0.0	5.4	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	58	34	0.2	0.0	0.2	
23		BUDHIPADAR-KORBA	D/C	53	0	1.5	0.0	1.5	
<b>ER-WR</b>						<b>45.7</b>	<b>0.0</b>	<b>45.7</b>	
<b>Import/Export of ER (With SR)</b>									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1604.8	0.0	23.7	-23.7	
25	HVDC LINK	JEYPORE-GAZUWAKA B/B	D/C	0.0	666.4	0.0	13.5	-13.5	
26		TALCHER-KOLAR BIPOLE	D/C	0.0	1972.5	0.0	42.0	-42.0	
27	400 kV	TALCHER-I/C	D/C	911.4	0.8	0.0	12.6	-12.6	
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>79.3</b>	<b>-79.3</b>	
<b>Import/Export of ER (With NER)</b>									
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	496	0.0	8.1	-8	
30		ALIPURDUAR-BONGAIGAON	D/C	36	243	0.0	1.8	-2	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	176	0.0	2.5	-2	
<b>ER-NER</b>						<b>0.0</b>	<b>12.3</b>	<b>-12.3</b>	
<b>Import/Export of NER (With NR)</b>									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	502	0.0	11.6	-11.6	
<b>NER-NR</b>						<b>0.0</b>	<b>11.6</b>	<b>-11.6</b>	
<b>Import/Export of WR (With NR)</b>									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1612	0.0	36.1	-36.1	
34		V'CHAL B/B	D/C	250	0	0.0	6.0	-6.0	
35		APL -MHG	D/C	0	1715	0.0	41.1	-41.1	
36	765 kV	GWALIOR-AGRA	D/C	0	1502	0.0	28.0	-28.0	
37		PHAGI-GWALIOR	D/C	0	1514	0.0	29.3	-29.3	
38		JABALPUR-ORAI	D/C	0	1103	0.0	18.5	-18.5	
39		GWALIOR-ORAI	S/C	425	0	8.6	0.0	8.6	
40		SATNA-ORAI	S/C	0	1932	0.0	43.2	-43.2	
41		ZERDA-KANKROLI	S/C	459	0	8.7	0.0	8.7	
42	400 kV	ZERDA -BHINMAL	S/C	439	0	5.3	0.0	5.3	
43		V'CHAL -RIHAND	S/C	961	0	22.3	0.0	22.3	
44		RAPP-SHUJALPUR	D/C	0	226	0	1	-1	
45	220 kV	BADOD-KOTA	S/C	71	32	0.4	0.2	0.2	
46		BADOD-MORAK	S/C	67	12	0.0	0.8	-0.8	
47		MEHGAON-AURAIYA	S/C	24	27	0.1	0.2	-0.1	
48		MALANPUR-AURAIYA	S/C	0	50	0.0	0.7	-0.7	
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
<b>WR-NR</b>						<b>45.4</b>	<b>205.1</b>	<b>-159.7</b>	
<b>Import/Export of WR (With SR)</b>									
50	HVDC LINK	BHADRAWATI B/B	-	0	0	0.0	0.0	0.0	
51		BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	1461	887	5.6	0.0	5.6	
53		WARDHA-NIZAMABAD	D/C	0	2005	0.0	22.9	-22.9	
54	400 kV	KOLHAPUR-KUDGI	D/C	1087	0	19.5	0.0	19.5	
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	
<b>WR-SR</b>						<b>26.6</b>	<b>22.9</b>	<b>3.7</b>	
<b>TRANSNATIONAL EXCHANGE</b>									
58		BHUTAN						9.9	
59		NEPAL						-9.7	
60		BANGLADESH						-15.1	