



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: 20<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 नॉग्रह , लापलंग, शिल्लोंग - 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 19.06.2018.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 19-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 19<sup>th</sup> June 2018, is available at the NLDC website.

धन्यवाद,

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs)	50401	46402	40564	21008	2695	161070
Peak Shortage (MW)	1042	78	149	0	82	1350
Energy Met (MU)	1198	1130	906	476	47	3757
Hydro Gen (MU)	248	35	61	95	26	464
Wind Gen (MU)	17	70	165	-----	-----	251
Solar Gen (MU)*	16.50	18.15	55.71	0.85	0.01	91
Energy Shortage (MU)	16.0	0.0	0.0	0.0	1.0	16.9
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	55791 20:57	50722 14:44	42012 20:04	22411 20:41	2720 19:09	168288 20:57

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	0.127	1.34	7.08	24.91	33.33	61.06	5.60

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	8621	0	175.0	107.1	-1.3	84	0.0
	Haryana	7942	0	170.1	130.7	2.5	290	1.0
	Rajasthan	9977	338	226.4	68.7	4.4	494	4.2
	Delhi	5900	0	118.7	95.5	-2.0	174	0.0
	UP	17877	540	390.7	170.7	-0.4	207	0.0
	Uttarakhand	1979	0	43.1	18.1	1.9	224	0.7
	HP	1315	3	27.0	4.8	5.2	444	0.0
	J&K	2082	521	41.9	17.2	-0.5	202	10.0
WR	Chandigarh	275	0	5.4	5.4	0.0	45	0.0
	Chhattisgarh	3949	0	86.0	21.1	0.8	217	0.0
	Gujarat	16854	0	366.1	140.4	5.2	449	0.0
	MP	7733	0	177.4	63.6	-2.3	329	0.0
	Maharashtra	20920	0	455.3	129.8	1.4	892	0.0
	Goa	422	0	9.4	8.8	-0.1	40	0.0
	DD	382	0	7.7	6.6	1.1	103	0.0
	DNH	764	0	17.8	16.9	0.9	91	0.0
SR	Essar steel	554	0	10.6	10.1	0.5	260	0.0
	Andhra Pradesh	8819	0	185.9	26.6	0.1	643	0.0
	Telangana	7411	0	154.2	62.8	1.7	669	0.0
	Karnataka	8394	0	171.6	52.0	1.0	522	0.0
	Kerala	3254	0	64.8	42.9	0.1	180	0.0
	Tamil Nadu	14966	0	321.7	100.8	0.1	1079	0.0
	Pondy	375	0	8.1	8.3	-0.2	28	0.0
	ER	Bihar	4881	0	93.6	89.4	1.7	425
DVC		3125	0	70.0	-25.2	0.4	405	0.0
Jharkhand		1090	0	27.0	19.3	1.5	178	0.0
Odisha		4881	0	96.9	42.8	2.0	425	0.0
West Bengal		8926	0	187.0	68.6	4.1	498	0.0
NER	Sikkim	92	0	1.4	1.3	0.1	20	0.0
	Arunachal Pradesh	133	4	2.0	2.0	0.0	45	0.0
	Assam	1686	36	29.3	23.0	1.6	146	0.6
	Manipur	157	11	2.1	2.0	0.1	49	0.0
	Meghalaya	305	6	5.8	0.2	0.2	32	0.0
	Mizoram	91	2	1.5	0.9	0.0	9	0.0
	Nagaland	147	2	2.0	1.9	-0.1	35	0.0
	Tripura	249	13	3.9	3.2	-0.5	73	0.2

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	20.7	-7.2	-14.5
Day peak (MW)	1045.4	-393.9	-656.3

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	260.2	-207.9	-1.9	-44.9	-5.5	0.0
Actual(MU)	267.9	-210.6	-14.5	-37.8	-6.2	-1.3
O/D/U/D(MU)	7.7	-2.7	-12.6	7.0	-0.7	-1.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3475	14930	9152	1250	735	29542
State Sector	6060	14958	7040	6775	50	34883
Total	9535	29888	16192	8025	785	64425

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	594	1158	550	435	10	2748
Hydro	248	35	63	95	26	466
Nuclear	31	30	46	0	0	107
Gas, Naptha & Diesel	39	56	13	0	20	128
RES (Wind, Solar, Biomass & Others)	48	88	257	1	0	394
Total	959	1367	930	530	56	3842

Share of RES in total generation (%)	4.95	6.43	27.63	0.21	0.05	10.24
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	34.01	11.17	39.37	18.06	45.79	25.15

H. Diversity Factor

All India Demand Diversity Factor	1.032
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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(परिष्कारण)/(ओ एम)/निदेशक(ओ एम)/मुख्य अभियंता-के०वि०आर०(पि०प्र०)/

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

INTER-REGIONAL EXCHANGES								Date of Reporting :	20-Jun-18
SI No	Voltage Level	Line Details	Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET for NET (MU)	
Import/Export of ER (With NR)									
1	765kV	GAYA-VARANASI	D/C	65	313	0.0	4.4	-4.4	
2		SASARAM-FATEHPUR	S/C	318	41	2.7	0.0	2.7	
3		GAYA-BALIA	S/C	0	416	0.0	7.1	-7.1	
4	HVDC	ALIPURDUAR-AGRA	-	0	285	0.0	11.4	-11.4	
5		PUSAULI B/B	S/C	0	247	0.0	6.0	-6.0	
6	400 kV	PUSAULI-VARANASI	S/C	0	200	0.0	0.0	0.0	
7		PUSAULI -ALLAHABAD	S/C	0	131	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	717	0.0	11.0	-11.0	
9		PATNA-BALIA	Q/C	0	940	0.0	16.1	-16.1	
10		BIHARSHARIFF-BALIA	D/C	0	333	0.0	5.2	-5.2	
11		MOTIHARI-GORAKHPUR	D/C	331	0	5.4	0.0	5.4	
12	220 kV	BIHARSHARIFF-VARANASI	D/C	727	0	0.0	1.0	-1.0	
13		PUSAULI-SAHUPURI	S/C	0	209	0.0	1.5	-1.5	
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
15		GARWAH-RIHAND	S/C	35	0	0.3	0.0	0.3	
16		KARMANASA-SAHUPURI	S/C	4	45	0.0	0.0	0.0	
17		KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0	
<b>ER-NR</b>						<b>8.5</b>	<b>63.5</b>	<b>-55.1</b>	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	897	0	7.4	0.0	7.4	
19		NEW RANCHI-DHARAMJAIGARH	D/C	496	0	11.2	0.0	11.2	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	926	0	15.1	0.0	15.1	
21		RANCHI-SIPAT	D/C	380	0	6.3	0.0	6.3	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	67	56	0.5	0.0	0.5	
23		BUDHIPADAR-KORBA	D/C	123	0	1.5	0.0	1.5	
<b>ER-WR</b>						<b>42.0</b>	<b>0.0</b>	<b>42.0</b>	
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	31.0	0.0	10.3	-10.3	
25	HVDC LINK	JEYPORE-GAZUWAKA B/B	D/C	0.0	521.8	0.0	11.6	-11.6	
26		TALCHER-KOLAR BIPOLE	D/C	0.0	990.5	0.0	17.6	-17.6	
27	400 kV	TALCHER-I/C	D/C	854.6	0.8	1.1	7.7	-6.6	
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>39.5</b>	<b>-39.5</b>	
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	457	0.0	5.0	-5	
30		ALIPURDUAR-BONGAIGAON	D/C	183	216	1.1	0.0	1	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	123	0.0	1.4	-1	
<b>ER-NER</b>						<b>1.1</b>	<b>6.3</b>	<b>-5.2</b>	
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	500	0.0	12.0	-12.0	
<b>NER-NR</b>						<b>0.0</b>	<b>12.0</b>	<b>-12.0</b>	
Import/Export of WR (With NR)									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	2500	0.0	58.9	-58.9	
34		V'CHAL B/B	D/C	0	250	3.5	0.0	3.5	
35		APL -MHG	D/C	0	1514	0.0	35.0	-35.0	
36	765 kV	GWALIOR-AGRA	D/C	0	2372	0.0	48.2	-48.2	
37		PHAGI-GWALIOR	D/C	0	962	0.0	28.9	-28.9	
38		JABALPUR-ORAI	D/C	0	1181	0.0	19.2	-19.2	
39		GWALIOR-ORAI	S/C	0	1892	9.0	0.0	9.0	
40		SATNA-ORAI	S/C	418	0	0.0	43.7	-43.7	
41		ZERDA-KANKROLI	S/C	349	0	6.8	0.0	6.8	
42	400 kV	ZERDA -BHINMAL	S/C	448	0	5.5	0.0	5.5	
43		V'CHAL -RIHAND	S/C	963	0	22.5	0.0	22.5	
44		RAPP-SHUJALPUR	D/C	0	387	0	3	-3	
45	220 kV	BADOD-KOTA	S/C	75	50	0.4	0.2	0.2	
46		BADOD-MORAK	S/C	16	61	0.0	0.7	-0.7	
47		MEHGAON-AURAIYA	S/C	34	23	0.1	0.2	-0.1	
48		MALANPUR-AURAIYA	S/C	8	44	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>47.9</b>	<b>238.6</b>	<b>-190.7</b>	
Import/Export of WR (With SR)									
50	HVDC LINK	BHADRAWATI B/B	-	0	500	0.0	12.0	-12.0	
51		BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	2322	622	20.3	0.0	20.3	
53		WARDHA-NIZAMABAD	D/C	0	1447	0.0	2.2	-2.2	
54	400 kV	KOLHAPUR-KUDGI	D/C	1013	0	14.8	0.0	14.8	
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	109	0	2.1	0.0	2.1	
<b>WR-SR</b>						<b>37.2</b>	<b>14.2</b>	<b>23.0</b>	
<b>TRANSNATIONAL EXCHANGE</b>									
58		BHUTAN						<b>20.7</b>	
59		NEPAL						<b>-7.2</b>	
60		BANGLADESH						<b>-14.5</b>	