



National Load Despatch Centre  
राष्ट्रीय भार प्रेषण केंद्र  
POWER SYSTEM OPERATION CORPORATION LIMITED  
पॉवर 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>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, Tollygunge, 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 22.06.2018.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 22-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 22 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

23-Jun-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs: from RLDCs)	56738	45811	39417	20938	2555	165459
Peak Shortage (MW)	1690	11	0	0	188	1889
Energy Met (MU)	1373	1083	920	458	49	3884
Hydro Gen (MU)	265	10	62	80	23	441
Wind Gen (MU)	25	80	149	-----	-----	254
Solar Gen (MU)*	20.88	15.72	38.74	0.82	0.02	76
Energy Shortage (MU)	24.7	0.0	0.1	0.0	1.5	26.2
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	60640 21:23	47355 15:43	41090 10:54	22189 21:35	2580 18:56	170241 21:26

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	0.054	0.00	0.38	16.75	17.13	79.13	3.74

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	10678	160	247.2	116.5	-0.8	144	0.0	
	Haryana	9030	50	200.4	131.2	3.8	466	6.1	
	Rajasthan	10371	0	238.1	62.7	3.4	436	0.9	
	Delhi	6619	0	135.2	103.3	-1.6	99	0.1	
	UP	19205	0	428.4	180.7	1.8	329	7.1	
	Uttarakhand	2076	0	46.1	21.0	2.4	340	0.5	
	HP	1436	0	29.5	9.0	3.6	410	0.0	
	J&K	2080	520	42.1	15.5	1.5	280	10.0	
	Chandigarh	325	0	6.3	5.9	0.4	68	0.0	
	WR	Chhattisgarh	3459	0	75.4	12.6	-0.4	288	0.0
Gujarat		17107	0	374.7	119.4	4.1	371	0.0	
MP		7490	0	173.3	74.0	-2.9	182	0.0	
Maharashtra		18421	0	420.2	120.7	-6.5	383	0.0	
Goa		433	0	9.3	8.1	0.6	85	0.0	
DD		345	0	7.7	6.7	1.0	90	0.0	
DNH		761	0	17.9	17.5	0.4	77	0.0	
Essar steel		259	0	4.7	4.1	0.6	184	0.0	
SR		Andhra Pradesh	8233	0	180.8	26.5	1.7	589	0.0
		Telangana	7015	0	152.5	67.1	-0.6	530	0.0
	Karnataka	8991	0	181.0	54.8	0.6	378	0.0	
	Kerala	3242	0	63.7	37.9	0.5	252	0.0	
	Tamil Nadu	14669	0	334.4	110.8	1.4	436	0.0	
	Pondy	361	0	7.7	7.9	-0.2	49	0.1	
	ER	Bihar	4972	0	98.3	95.0	0.4	70	0.0
		DVC	3096	0	71.7	-33.1	-0.7	200	0.0
		Jharkhand	1070	0	26.4	19.4	2.1	100	0.0
		Odisha	4577	0	87.8	38.7	0.0	230	0.0
West Bengal		8574	0	173.0	54.0	1.4	280	0.0	
Sikkim		88	0	1.1	1.3	-0.2	10	0.0	
NER	Arunachal Pradesh	93	25	1.8	2.3	-0.5	13	0.1	
	Assam	1625	109	32.1	25.4	1.1	191	1.2	
	Manipur	168	4	2.2	2.6	-0.4	17	0.0	
	Meghalaya	317	7	5.5	1.5	-0.2	62	0.0	
	Mizoram	84	4	1.5	1.0	-0.1	7	0.0	
	Nagaland	120	8	2.2	2.2	-0.1	10	0.0	
	Tripura	249	10	3.4	3.5	-0.6	78	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	14.5	-7.6	-14.9
Day peak (MW)	720.7	-554.3	-647.2

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	282.8	-225.6	11.4	-70.4	1.8	0.1
Actual(MU)	299.6	-250.2	11.5	-62.0	-2.2	-3.4
O/D/U/D(MU)	16.8	-24.6	0.0	8.3	-4.0	-3.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3616	15379	9022	250	118	28385
State Sector	4420	13812	6430	5465	50	30177
Total	8036	29191	15452	5715	168	58562

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	696	1157	572	463	11	2900
Hydro	265	10	64	80	23	443
Nuclear	27	30	46	0	0	104
Gas, Naptha & Diesel	53	56	12	0	20	141
RES (Wind, Solar, Biomass & Others)	59	96	227	1	0	383
Total	1101	1349	922	545	54	3971

Share of RES in total generation (%)	5.37	7.11	24.62	0.21	0.08	9.65
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	31.91	10.09	36.60	14.96	42.55	23.40

H. Diversity Factor

All India Demand Diversity Factor	1.021
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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(पि०प्र०)/  
अध्यक्ष एवं प्रबंध निदेशक(पोसोको)/सभी राज्यों के मुख्य सचिव/ऊर्जा सचिव

महाप्रबंधक (रा० भा० प्र० क०)

**INTER-REGIONAL EXCHANGES**

Date of Reporting : 23-Jun-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	7.6	-7.6
2		SASARAM-FATEHPUR	S/C	256	33	2.2	0.0	2.2
3		GAYA-BALIA	S/C	0	696	0.0	14.1	-14.1
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
5		PUSAULI B/B	S/C	0	378	0.0	9.2	-9.2
6	400 kV	PUSAULI-VARANASI	S/C	0	283	0.0	0.0	0.0
7		PUSAULI -ALLAHABAD	S/C	0	185	0.0	0.0	0.0
8		MUZAFFARPUR-GORAKHPUR	D/C	0	831	0.0	17.2	-17.2
9		PATNA-BALIA	Q/C	0	1121	0.0	21.7	-21.7
10		BIHARSHARIFF-BALIA	D/C	0	634	0.0	13.3	-13.3
11		MOTIHARI-GORAKHPUR	D/C	27	125	0.0	1.3	-1.3
12		BIHARSHARIFF-VARANASI	D/C	890	0	0.0	1.0	-1.0
13	220 kV	PUSAULI-SAHUPURI	S/C	0	204	0.0	4.4	-4.4
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	35	0	0.4	0.0	0.4
16		KARMANASA-SAHUPURI	S/C	0	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>2.5</b>	<b>89.9</b>	<b>-87.4</b>
<b>Import/Export of ER (With WR)</b>								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	558	363	0.2	0.0	0.2
19		NEW RANCHI-DHARAMJAIGARH	D/C	717	0	14.4	0.0	14.4
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	1029	0	15.2	0.0	15.2
21		RANCHI-SIPAT	D/C	333	0	6.0	0.0	6.0
22	220 kV	BUDHIPADAR-RAIGARH	S/C	79	27	0.0	0.7	-0.7
23		BUDHIPADAR-KORBA	D/C	125	0	2.2	0.0	2.2
<b>ER-WR</b>						<b>37.9</b>	<b>0.7</b>	<b>37.3</b>
<b>Import/Export of ER (With SR)</b>								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	929.9	0.0	12.8	-12.8
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	678.7	0.0	15.9	-15.9
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	990.8	0.0	18.0	-18.0
27	400 kV	TALCHER-I/C	D/C	385.8	0.8	3.7	1.3	2.4
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>46.7</b>	<b>-46.7</b>
<b>Import/Export of ER (With NER)</b>								
29	400 kV	BINAGURI-BONGAIGAON	D/C	175	148	1.3	0.0	1
30		ALIPURDUAR-BONGAIGAON	D/C	220	94	2.1	0.0	2
31	220 kV	ALIPURDUAR-SALAKATI	D/C	23	81	0.0	0.4	0
<b>ER-NER</b>						<b>3.4</b>	<b>0.4</b>	<b>3.0</b>
<b>Import/Export of NER (With NR)</b>								
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	0	0.0	0.0	0.0
<b>NER-NR</b>						<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
<b>Import/Export of WR (With NR)</b>								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1500	0.0	33.8	-33.8
34		V'CHAL B/B	D/C	250	0	0.0	6.0	-6.0
35		APL -MHG	D/C	0	2016	0.0	51.7	-51.7
36		GWALIOR-AGRA	D/C	0	2868	0.0	59.8	-59.8
37	765 kV	PHAGI-GWALIOR	D/C	0	1400	0.0	30.1	-30.1
38		JABALPUR-ORAI	D/C	0	1523	0.0	29.5	-29.5
39		GWALIOR-ORAI	S/C	0	1904	9.8	0.0	9.8
40		SATNA-ORAI	S/C	460	0	0.0	43.2	-43.2
41	400 kV	ZERDA-KANKROLI	S/C	413	0	7.2	0.0	7.2
42		ZERDA -BHINMAL	S/C	373	0	6.0	0.0	6.0
43		V'CHAL -RIHAND	S/C	966	0	22.5	0.0	22.5
44		RAPP-SHUJALPUR	D/C	0	304	0	3	-3
45	220 kV	BADOD-KOTA	S/C	42	44	0.3	0.2	0.0
46		BADOD-MORAK	S/C	0	45	0.0	0.5	-0.5
47		MEHGAON-AURAIYA	S/C	8	28	0.0	0.2	-0.2
48	132kV	MALANPUR-AURAIYA	S/C	0	60	0.0	0.9	-0.9
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
<b>WR-NR</b>						<b>45.8</b>	<b>258.9</b>	<b>-213.0</b>
<b>Import/Export of WR (With SR)</b>								
50	HVDC	BHADRAWATI B/B	-	0	800	0.0	19.2	-19.2
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	765 kV	SOLAPUR-RAICHUR	D/C	1127	409	12.2	0.0	12.2
53		WARDHA-NIZAMABAD	D/C	0	974	0.0	7.2	-7.2
54	400 kV	KOLHAPUR-KUDGI	D/C	858	0	14.4	0.0	14.4
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	109	0	2.1	0.0	2.1
<b>WR-SR</b>						<b>28.7</b>	<b>26.5</b>	<b>2.3</b>
<b>TRANSNATIONAL EXCHANGE</b>								
58		BHUTAN						<b>14.5</b>
59		NEPAL						<b>-7.6</b>
60		BANGLADESH						<b>-14.9</b>