



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> 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 23.06.2018.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 23-जून 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> 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

24-Jun-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs)	57496	44311	39295	20448	2643	164193
Peak Shortage (MW)	1994	85	0	0	169	2248
Energy Met (MU)	1383	1046	891	452	50	3821
Hydro Gen (MU)	277	12	51	84	26	450
Wind Gen (MU)	16	72	152	-----	-----	240
Solar Gen (MU)*	15.49	16.51	41.50	0.71	0.01	74
Energy Shortage (MU)	17.1	0.0	0.1	0.0	1.2	18.3
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	61942 23:29	45995 14:32	39969 19:54	21504 20:46	2630 20:12	168081 21:31

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	0.042	0.00	0.17	11.78	11.96	80.00	8.04

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	11219	0	252.4	131.8	-1.2	164	0.0	
	Haryana	9626	113	213.5	138.9	2.8	368	0.2	
	Rajasthan	10339	0	225.9	66.9	3.6	397	5.0	
	Delhi	6462	0	133.0	103.2	-0.3	240	0.1	
	UP	19356	0	437.9	184.5	-0.2	192	0.0	
	Uttarakhand	2055	0	44.3	19.8	0.7	207	2.1	
	HP	1432	0	29.3	9.5	1.4	200	0.0	
	J&K	2022	505	40.8	18.6	-3.2	76	9.7	
	Chandigarh	292	0	5.9	5.8	0.1	42	0.0	
	WR	Chhattisgarh	3588	0	81.7	15.1	-1.3	79	0.0
Gujarat		16077	0	354.5	120.0	4.6	695	0.0	
MP		7591	0	168.5	64.3	0.4	448	0.0	
Maharashtra		17723	0	403.2	110.2	-5.4	573	0.0	
Goa		434	0	9.1	8.3	0.1	33	0.0	
DD		330	0	7.4	6.7	0.7	100	0.0	
DNH		765	0	17.7	17.4	0.3	100	0.0	
Essar steel		238	0	4.0	3.7	0.3	172	0.0	
SR		Andhra Pradesh	8077	0	180.2	32.1	0.6	445	0.0
		Telangana	6698	0	135.2	51.0	0.9	466	0.0
	Karnataka	8396	0	171.8	53.4	-0.3	513	0.0	
	Kerala	3308	0	62.8	38.5	0.9	262	0.0	
	Tamil Nadu	15118	0	332.7	116.8	2.5	493	0.0	
	Pondy	354	0	7.8	7.8	0.0	65	0.1	
ER	Bihar	4735	0	87.5	87.2	-2.2	50	0.0	
	DVC	3063	0	72.4	-38.3	-0.5	200	0.0	
	Jharkhand	1185	0	24.2	19.9	2.0	190	0.0	
	Odisha	4602	0	94.3	42.2	1.6	550	0.0	
	West Bengal	8406	0	172.2	51.6	1.3	380	0.0	
NER	Sikkim	87	0	1.1	1.2	-0.1	20	0.0	
	Arunachal Pradesh	119	4	2.1	3.0	-0.8	0	0.0	
	Assam	1673	136	31.8	26.6	0.0	116	1.1	
	Manipur	160	5	2.2	2.6	-0.4	8	0.0	
	Meghalaya	310	0	5.5	1.3	-0.2	58	0.0	
	Mizoram	89	5	1.4	1.1	-0.3	11	0.0	
	Nagaland	131	3	2.1	2.4	-0.5	14	0.0	
	Tripura	237	4	4.7	4.3	0.1	42	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	16.2	-4.5	-14.6
Day peak (MW)	863.9	-411.6	-654.2

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	298.9	-247.5	28.1	-80.2	0.8	0.1
Actual(MU)	302.3	-254.0	29.5	-74.4	-4.6	-1.2
O/D/U/D(MU)	3.4	-6.5	1.5	5.7	-5.4	-1.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3393	14779	10022	450	118	28762
State Sector	3820	14050	7290	6025	50	31235
Total	7213	28829	17312	6475	168	59997

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	704	1143	531	468	10	2855
Hydro	277	12	53	84	26	452
Nuclear	26	29	46	0	0	102
Gas, Naptha & Diesel	53	51	15	0	22	140
RES (Wind, Solar, Biomass & Others)	45	88	233	1	0	367
Total	1105	1323	878	553	58	3916

Share of RES in total generation (%)	4.03	6.67	26.56	0.17	0.04	9.37
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	31.50	9.77	37.86	15.39	44.90	23.51

H. Diversity Factor

All India Demand Diversity Factor	1.024
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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

महाप्रबंधक (रा० भा० प्र० के०)

INTER-REGIONAL EXCHANGES								Date of Reporting :	24-Jun-18
SI No	Voltage Level	Line Details	Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET for NET (MU)	
<b>Import/Export of ER (With NR)</b>									
1	765kV	GAYA-VARANASI	D/C	0	778	0.0	8.4	-8.4	
2		SASARAM-FATEHPUR	S/C	146	167	0.0	0.5	-0.5	
3		GAYA-BALIA	S/C	0	707	0.0	14.5	-14.5	
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0	
5		PUSAULI B/B	S/C	2	378	0.0	2.6	-2.6	
6	400 kV	PUSAULI-VARANASI	S/C	10	255	0.0	1.9	-1.9	
7		PUSAULI -ALLAHABAD	S/C	19	157	0.0	0.5	-0.5	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	947	0.0	16.5	-16.5	
9		PATNA-BALIA	Q/C	0	1196	0.0	21.6	-21.6	
10		BIHARSHARIFF-BALIA	D/C	0	711	0.0	15.4	-15.4	
11		MOTIHARI-GORAKHPUR	D/C	3	244	0.0	3.0	-3.0	
12	220 kV	BIHARSHARIFF-VARANASI	D/C	954	0	0.0	6.4	-6.4	
13		PUSAULI-SAHUPURI	S/C	0	201	0.0	4.3	-4.3	
14		SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
15		132 kV	GARWAH-RIHAND	S/C	35	0	0.5	0.0	0.5
16			KARMANASA-SAHUPURI	S/C	0	40	0.0	0.0	0.0
17		KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0	
<b>ER-NR</b>						<b>0.5</b>	<b>95.8</b>	<b>-95.4</b>	
<b>Import/Export of ER (With WR)</b>									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	612	276	1.8	0.0	1.8	
19		NEW RANCHI-DHARAMJAIGARH	D/C	600	14	8.3	0.0	8.3	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	890	0	13.5	0.0	13.5	
21		RANCHI-SIPAT	D/C	286	0	4.1	0.0	4.1	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	100	28	1.0	0.0	1.0	
23		BUDHIPADAR-KORBA	D/C	146	0	2.6	0.0	2.6	
<b>ER-WR</b>						<b>31.3</b>	<b>0.0</b>	<b>31.3</b>	
<b>Import/Export of ER (With SR)</b>									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1267.8	0.0	17.9	-17.9	
25	HVDC LINK	JEYPORE-GAZUWAKA B/B	D/C	0.0	678.7	0.0	15.9	-15.9	
26		TALCHER-KOLAR BIPOLE	D/C	0.0	599.0	0.0	14.5	-14.5	
27	400 kV	TALCHER-I/C	D/C	351.5	0.8	6.2	1.0	5.3	
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>48.2</b>	<b>-48.2</b>	
<b>Import/Export of ER (With NER)</b>									
29	400 kV	BINAGURI-BONGAIGAON	D/C	246	139	2.2	0.0	2	
30		ALIPURDUAR-BONGAIGAON	D/C	310	81	3.7	0.0	4	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	25	72	0.0	0.0	0	
<b>ER-NER</b>						<b>6.0</b>	<b>0.0</b>	<b>5.9</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	34.1	-34.1	
34		V'CHAL B/B	D/C	250	250	0.6	4.7	-4.1	
35		APL -MHG	D/C	0	2520	0.0	55.1	-55.1	
36	765 kV	GWALIOR-AGRA	D/C	0	2930	0.0	59.7	-59.7	
37		PHAGI-GWALIOR	D/C	0	1460	0.0	32.4	-32.4	
38		JABALPUR-ORAI	D/C	0	1506	0.0	27.6	-27.6	
39		GWALIOR-ORAI	S/C	0	1986	10.9	0.0	10.9	
40		SATNA-ORAI	S/C	487	0	0.0	44.7	-44.7	
41		ZERDA-KANKROLI	S/C	448	0	7.6	0.0	7.6	
42	400 kV	ZERDA -BHINMAL	S/C	408	0	6.2	0.0	6.2	
43		V'CHAL -RIHAND	S/C	965	0	22.5	0.0	22.5	
44		RAPP-SHUJALPUR	D/C	0	340	0	3	-3	
45	220 kV	BADOD-KOTA	S/C	81	4	0.7	0.0	0.7	
46		BADOD-MORAK	S/C	26	46	0.1	0.4	-0.4	
47		MEHGAON-AURAIYA	S/C	0	41	0.0	0.6	-0.6	
48		MALANPUR-AURAIYA	S/C	0	0	0.0	0.0	0.0	
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
<b>WR-NR</b>						<b>48.7</b>	<b>262.2</b>	<b>-213.6</b>	
<b>Import/Export of WR (With SR)</b>									
50	HVDC LINK	BHADRAWATI B/B	-	0	800	0.0	14.3	-14.3	
51		BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	643	784	0.2	0.0	0.2	
53		WARDHA-NIZAMABAD	D/C	0	1549	0.0	11.3	-11.3	
54	400 kV	KOLHAPUR-KUDGI	D/C	877	0	15.3	0.0	15.3	
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>17.5</b>	<b>25.5</b>	<b>-8.0</b>	
<b>TRANSNATIONAL EXCHANGE</b>									
58		BHUTAN						16.2	
59		NEPAL						-4.5	
60		BANGLADESH						-14.6	