



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: 30th 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 29.06.2018.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के परावधान के अनसार, ददनांक 29-जून 2018 की अग्रलि भारतीय परणाली की दैदनक ग्रदड दन पादन ररपोट्स रांभांपरेके 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 29th 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

30-Jun-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs: from RLDCs)	47900	42593	40283	19337	2626	152739
Peak Shortage (MW)	1146	156	15	0	186	1503
Energy Met (MU)	1085	998	894	423	50	3449
Hydro Gen (MU)	285	20	71	84	24	484
Wind Gen (MU)	8	71	126	-----	-----	204
Solar Gen (MU)*	14.22	14.39	48.24	0.72	0.02	78
Energy Shortage (MU)	8.6	0.0	0.1	0.0	1.5	10.2
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	50121 21:16	43445 19:55	42590 15:40	20894 20:39	2643 19:08	157047 19:56

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	0.051	0.21	0.93	10.75	11.89	81.34	6.77

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	8640	0	181.1	104.6	-1.7	85	0.0	
	Haryana	7620	0	155.8	129.6	3.6	391	0.3	
	Rajasthan	7247	0	156.2	51.5	-0.2	313	0.0	
	Delhi	5400	0	114.9	93.5	-1.8	146	0.1	
	UP	17318	140	365.5	166.7	1.2	504	0.0	
	Uttarakhand	2102	0	45.1	14.7	0.7	281	0.0	
	HP	1355	0	25.8	1.8	2.4	258	0.1	
	J&K	2312	578	34.6	13.9	-4.7	475	8.2	
	Chandigarh	307	0	5.7	6.1	-0.4	29	0.0	
	WR	Chhattisgarh	3499	0	77.0	15.7	-1.0	141	0.0
Gujarat		14707	0	322.2	139.2	1.2	456	0.0	
MP		7073	0	150.3	48.5	-2.0	307	0.0	
Maharashtra		18543	0	408.9	129.5	-4.0	684	0.0	
Goa		485	0	10.3	8.7	0.9	86	0.0	
DD		327	0	7.3	6.5	0.9	65	0.0	
DNH		733	0	16.6	16.0	0.6	61	0.0	
Essar steel		306	0	5.0	5.6	-0.6	193	0.0	
SR		Andhra Pradesh	7861	0	167.3	27.6	6.4	916	0.0
		Telangana	7133	0	149.9	66.8	1.3	700	0.0
	Karnataka	8829	0	183.3	64.8	0.5	455	0.0	
	Kerala	3299	0	63.2	41.2	0.3	238	0.0	
	Tamil Nadu	14586	0	322.4	124.4	2.8	879	0.0	
	Pondy	356	0	7.6	7.7	-0.1	36	0.1	
	ER	Bihar	4736	0	91.3	88.9	0.4	50	0.0
		DVC	3099	0	69.1	-32.4	0.1	220	0.0
		Jharkhand	1065	0	23.2	17.5	0.1	40	0.0
		Odisha	4128	0	76.0	40.7	-0.1	250	0.0
West Bengal		8164	0	162.6	41.3	3.9	350	0.0	
Sikkim		88	0	1.3	1.5	-0.2	20	0.0	
NER	Arunachal Pradesh	118	4	2.4	2.8	-0.5	15	0.0	
	Assam	1655	124	30.9	25.8	0.6	176	1.4	
	Manipur	170	2	2.0	2.5	-0.5	13	0.0	
	Meghalaya	311	0	5.5	0.9	-0.1	140	0.0	
	Mizoram	79	3	1.7	0.7	0.3	9	0.0	
	Nagaland	122	2	2.2	2.0	0.0	29	0.0	
	Tripura	254	2	5.4	4.2	0.3	44	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	23.4	-6.9	-13.5
Day peak (MW)	1088.3	-458.7	-636.1

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	247.4	-226.9	57.4	-79.5	0.2	-1.3
Actual(MU)	263.9	-238.4	41.3	-70.7	-1.9	-5.8
O/D/U/D(MU)	16.5	-11.4	-16.2	8.8	-2.1	-4.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	6089	12966	10032	445	118	29650
State Sector	5835	17393	8970	5755	50	38003
Total	11924	30359	19002	6200	168	67653

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	484	1073	495	432	8	2492
Hydro	285	20	72	84	24	486
Nuclear	31	30	45	0	0	106
Gas, Naptha & Diesel	29	47	16	0	23	115
RES (Wind, Solar, Biomass & Others)	36	85	208	1	0	330
Total	866	1254	836	516	56	3529

Share of RES in total generation (%)	4.19	6.77	24.90	0.15	0.07	9.36
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	40.73	10.77	38.92	16.39	43.34	26.13

H. Diversity Factor

All India Demand Diversity Factor	1.017
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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 (परिचालन)/(ओ एम)/निदेशक (ओ एम)/मुख्य अभियंता-के०वि०एम०(पि०ए०)/
अध्यक्ष एवं प्रबंध निदेशक(सोमनाथ)/समी रायचो के मुख्य सचिव/ऊर्जा सचिव

महाप्रबंधक (रा० भा० प्रे० के०)

INTER-REGIONAL EXCHANGES

Date of Reporting : 30-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)
Import/Export of ER (With NR)								
1	765kV	GAYA-VARANASI	D/C	0	493	0.0	10.3	-10.3
2		SASARAM-FATEHPUR	S/C	262	5	2.5	0.0	2.5
3		GAYA-BALIA	S/C	0	453	0.0	7.1	-7.1
4		ALIPURDUAR-AGRA	-	0	303	0.0	4.7	-4.7
5	HVDC	PUSAULI B/B	S/C	0	379	0.0	9.4	-9.4
6		PUSAULI-VARANASI	S/C	0	284	0.0	0.0	0.0
7		PUSAULI -ALLAHABAD	S/C	0	171	0.0	0.0	0.0
8		MUZAFFARPUR-GORAKHPUR	D/C	0	785	0.0	14.0	-14.0
9	400 kV	PATNA-BALIA	Q/C	0	1133	0.0	17.5	-17.5
10		BIHARSHARIFF-BALIA	D/C	0	411	0.0	7.1	-7.1
11		MOTIHARI-GORAKHPUR	D/C	292	109	4.5	0.0	4.5
12		BIHARSHARIFF-VARANASI	D/C	842	0	0.0	1.8	-1.8
13	220 kV	PUSAULI-SAHUPURI	S/C	0	177	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	35	0	0.3	0.0	0.3
16		KARMANASA-SAHUPURI	S/C	0	47	0.0	0.0	0.0
17		KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0
ER-NR						7.3	75.5	-68.2
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1067	1	16.7	0.0	16.7
19		NEW RANCHI-DHARAMJAIGARH	D/C	632	65	7.9	0.0	7.9
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	949	0	15.1	0.0	15.1
21		RANCHI-SIPAT	D/C	302	0	2.8	0.0	2.8
22	220 kV	BUDHIPADAR-RAIGARH	S/C	76	49	0.4	0.0	0.4
23		BUDHIPADAR-KORBA	D/C	151	0	2.8	0.0	2.8
ER-WR						45.6	0.0	45.6
Import/Export of ER (With SR)								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1048.8	0.0	14.4	-14.4
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	708.7	0.0	15.7	-15.7
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1485.6	0.0	33.5	-33.5
27	400 kV	TALCHER-1/C	D/C	1173.0	0.8	0.0	12.1	-12.1
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0
ER-SR						0.0	63.6	-63.6
Import/Export of ER (With NER)								
29	400 kV	BINAGURI-BONGAIGAON	D/C	56	533	0.0	5.3	-5
30		ALIPURDUAR-BONGAIGAON	D/C	133	425	0.0	3.2	-3
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	155	0.0	1.9	-2
ER-NER						0.0	10.3	-10.3
Import/Export of NER (With NR)								
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	701	0.0	13.9	-13.9
NER-NR						0.0	13.9	-13.9
Import/Export of WR (With NR)								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1500	0.0	22.5	-22.5
34		V'CHAL B/B	D/C	250	250	3.7	1.5	2.3
35		APL -MHG	D/C	0	1515	0.0	37.1	-37.1
36		GWALIOR-AGRA	D/C	0	2824	0.0	51.2	-51.2
37	765 kV	PHAGI-GWALIOR	D/C	0	1494	0.0	22.9	-22.9
38		JABALPUR-ORAI	D/C	0	1301	0.0	20.5	-20.5
39		GWALIOR-ORAI	S/C	0	1906	7.8	0.0	7.8
40		SATNA-ORAI	S/C	420	0	0.0	41.6	-41.6
41	400 kV	ZERDA-KANKROLI	S/C	489	0	6.0	0.0	6.0
42		ZERDA -BHINMAL	S/C	393	0	4.7	0.0	4.7
43		V'CHAL -RIHAND	S/C	963	0	19.1	0.0	19.1
44		RAPP-SHUJALPUR	D/C	0	460	0	3	-3
45	220 kV	BADOD-KOTA	S/C	64	84	0.3	0.5	-0.2
46		BADOD-MORAK	S/C	21	89	0.0	0.9	-0.9
47		MEHGAON-AURAIYA	S/C	21	41	0.0	0.4	-0.4
48	132kV	MALANPUR-AURAIYA	S/C	0	65	0.0	0.9	-0.9
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						41.7	203.1	-161.4
Import/Export of WR (With SR)								
50	HVDC	BHADRAWATI B/B	-	0	800	0.0	6.3	-6.3
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	765 kV	SOLAPUR-RAICHUR	D/C	132	1496	0.0	13.7	-13.7
53		WARDHA-NIZAMABAD	D/C	0	1789	0.0	25.7	-25.7
54	400 kV	KOLHAPUR-KUDGI	D/C	675	0	11.4	0.0	11.4
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
WR-SR						13.5	45.7	-32.2
TRANSNATIONAL EXCHANGE								
58		BHUTAN						23.4
59		NEPAL						-6.9
60		BANGLADESH						-13.5