



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: 16th 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 15.06.2018.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 15-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 15th 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

16-Jun-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs)	54834	46351	39151	20506	2428	163270
Peak Shortage (MW)	1290	122	0	0	194	1605
Energy Met (MU)	1270	1140	898	449	42	3799
Hydro Gen (MU)	308	18	61	88	28	503
Wind Gen (MU)	53	167	156	-----	-----	376
Solar Gen (MU)*	11.65	19.60	58.39	0.86	0.01	91
Energy Shortage (MU)	7.6	0.1	0.0	0.0	2.4	10.0
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	56814 20:29	50001 15:25	39847 19:36	21564 23:00	2428 18:49	166900 20:25

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	0.047	0.00	0.44	12.92	13.36	77.55	9.10

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	8345	0	192.8	106.1	-1.1	127	0.0	
	Haryana	8816	23	189.9	132.8	2.9	292	0.9	
	Rajasthan	10951	143	222.1	65.0	2.1	424	0.1	
	Delhi	6429	0	132.4	107.9	-2.3	190	0.1	
	UP	19480	570	412.6	180.2	-0.1	315	0.0	
	Uttarakhand	2056	0	43.6	18.2	1.2	201	0.0	
	HP	1367	0	28.8	4.8	-0.1	79	0.0	
	J&K	2104	526	41.4	20.0	-3.5	195	6.3	
	Chandigarh	324	0	6.6	7.1	-0.5	28	0.0	
	WR	Chhattisgarh	3530	0	80.6	28.7	-0.6	184	0.1
Gujarat		16369	0	362.7	115.1	7.0	623	0.0	
MP		8305	0	177.3	56.1	-3.6	309	0.0	
Maharashtra		21012	0	471.7	142.3	-0.1	282	0.0	
Goa		478	0	10.6	9.7	0.2	38	0.0	
DD		341	0	7.6	6.9	0.7	57	0.0	
DNH		759	0	18.0	17.6	0.5	91	0.0	
Essar steel		510	0	11.2	11.0	0.2	211	0.0	
SR		Andhra Pradesh	8235	0	173.0	44.4	3.2	585	0.0
		Telangana	6992	0	152.1	61.4	-0.4	429	0.0
	Karnataka	7942	0	167.6	54.1	0.6	550	0.0	
	Kerala	3094	0	62.4	42.5	0.4	233	0.0	
	Tamil Nadu	14855	0	335.7	116.1	0.4	430	0.0	
	Pondy	370	0	7.6	8.1	-0.5	39	0.0	
ER	Bihar	4847	0	88.7	91.5	-4.2	150	0.0	
	DVC	2930	0	67.9	-27.0	3.6	250	0.0	
	Jharkhand	1148	0	23.4	18.0	-0.7	100	0.0	
	Odisha	4449	0	89.1	45.4	-0.8	250	0.0	
	West Bengal	8868	0	178.6	63.9	2.7	500	0.0	
	Sikkim	80	0	1.0	1.3	-0.3	5	0.0	
NER	Arunachal Pradesh	89	5	2.1	2.8	-0.7	0	0.0	
	Assam	1567	101	24.8	19.6	-0.3	175	2.0	
	Manipur	158	5	2.2	2.2	0.0	11	0.0	
	Meghalaya	329	0	5.4	0.3	0.0	110	0.0	
	Mizoram	78	5	1.9	0.8	0.4	1	0.0	
	Nagaland	127	4	2.2	2.2	-0.2	36	0.0	
	Tripura	221	11	3.4	4.1	0.2	89	0.2	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	19.8	-5.7	-13.1
Day peak (MW)	1072.3	-433.8	-656.6

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	248.1	-234.9	32.7	-37.0	-7.4	1.6
Actual(MU)	243.8	-240.3	31.9	-27.8	-10.6	-2.9
O/D/U/D(MU)	-4.3	-5.4	-0.8	9.2	-3.2	-4.5

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3645	13475	8862	1350	405	27737
State Sector	6235	15899	8730	6205	50	37119
Total	9880	29374	17592	7555	454	64855

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	597	1109	503	414	5	2628
Hydro	308	18	63	88	28	504
Nuclear	31	30	46	0	0	107
Gas, Naptha & Diesel	33	55	13	0	23	124
RES (Wind, Solar, Biomass & Others)	80	186	252	1	0	520
Total	1050	1399	877	503	56	3884

Share of RES in total generation (%)	7.65	13.32	28.71	0.24	0.03	13.38
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	39.94	16.75	41.15	17.70	50.05	29.12

H. Diversity Factor

All India Demand Diversity Factor	1.022
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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(पाँसोको)/सभी राज्यों के मुख्य सचिव/ऊर्जा सचिव

महाप्रबंधक (रा० भा० प्र० के०)

INTER-REGIONAL EXCHANGES								Date of Reporting :	16-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	88	317	0.0	3.9	-3.9	
2		SASARAM-FATEHPUR	S/C	355	56	2.3	0.0	2.3	
3		GAYA-BALIA	S/C	0	420	0.0	7.2	-7.2	
4	HVDC	ALIPURDUAR-AGRA	-	0	285	0.0	12.1	-12.1	
5		PUSAULI B/B	S/C	0	247	0.0	5.9	-5.9	
6	400 kV	PUSAULI-VARANASI	S/C	0	222	0.0	0.0	0.0	
7		PUSAULI -ALLAHABAD	S/C	0	121	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	620	0.0	9.4	-9.4	
9		PATNA-BALIA	Q/C	0	857	0.0	9.4	-9.4	
10		BIHARSHARIFF-BALIA	D/C	0	319	0.0	5.3	-5.3	
11		MOTIHARI-GORAKHPUR	D/C	305	250	0.0	1.2	-1.2	
12	220 kV	BIHARSHARIFF-VARANASI	D/C	838	0	0.0	0.8	-0.8	
13		PUSAULI-SAHUPURI	S/C	0	212	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	0.4	0.0	0.4
16			KARMANASA-SAHUPURI	S/C	0	40	0.4	0.0	0.4
17		KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0	
ER-NR						3.0	59.6	-56.5	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	897	0	13.8	0.0	13.8	
19		NEW RANCHI-DHARAMJAIGARH	D/C	730	0	10.2	0.0	10.2	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	746	0	13.5	0.0	13.5	
21		RANCHI-SIPAT	D/C	353	0	5.2	0.0	5.2	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	55	65	0.0	0.0	0.0	
23		BUDHIPADAR-KORBA	D/C	119	0	2.0	0.0	2.0	
ER-WR						44.7	0.0	44.7	
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1324.8	0.0	22.9	-22.9	
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	990.6	0.0	24.0	-24.0	
27	400 kV	TALCHER-I/C	D/C	794.8	0.8	3.4	5.5	-2.1	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	58.6	-58.6	
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	93	433	0.0	2.7	-3	
30		ALIPURDUAR-BONGAIGAON	D/C	312	203	2.8	0.0	3	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	30	131	0.0	1.8	-2	
ER-NER						2.8	4.6	-1.7	
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	501	0.0	12.1	-12.1	
NER-NR						0.0	12.1	-12.1	
Import/Export of WR (With NR)									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	7	2500	0.0	36.7	-36.7	
34		V'CHAL B/B	D/C	250	250	3.4	0.9	2.5	
35		APL -MHG	D/C	0	1741	0.0	45.2	-45.2	
36	765 kV	GWALIOR-AGRA	D/C	0	2280	0.0	46.3	-46.3	
37		PHAGI-GWALIOR	D/C	0	1478	0.0	29.7	-29.7	
38		JABALPUR-ORAI	D/C	0	1561	0.0	21.7	-21.7	
39		GWALIOR-ORAI	S/C	0	1959	10.6	0.0	10.6	
40		SATNA-ORAI	S/C	474	0	0.0	42.0	-42.0	
41		ZERDA-KANKROLI	S/C	458	0	7.7	0.0	7.7	
42	400 kV	ZERDA -BHINMAL	S/C	480	0	7.5	0.0	7.5	
43		V'CHAL -RIHAND	S/C	970	0	21.8	0.0	21.8	
44		RAPP-SHUJALPUR	D/C	7	207	0	1	-1	
45	220 kV	BADOD-KOTA	S/C	3	106	0.0	0.9	-0.9	
46		BADOD-MORAK	S/C	0	122	0.0	1.7	-1.7	
47		MEHGAON-AURAIYA	S/C	25	37	0.1	0.2	-0.2	
48		MALANPUR-AURAIYA	S/C	0	54	0.0	0.8	-0.8	
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						51.1	227.3	-176.2	
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	746	722	0.1	0.0	0.1	
53		WARDHA-NIZAMABAD	D/C	0	1382	0.0	17.5	-17.5	
54	400 kV	KOLHAPUR-KUDGI	D/C	669	0	10.0	0.0	10.0	
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	
WR-SR						12.2	29.5	-17.3	
TRANSNATIONAL EXCHANGE									
58		BHUTAN						19.8	
59		NEPAL						-5.7	
60		BANGLADESH						-13.1	