



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: 21st 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 20.06.2018.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 20-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 20th 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

21-Jun-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs)	55134	46871	41331	19338	2686	165360
Peak Shortage (MW)	1014	101	0	0	82	1197
Energy Met (MU)	1304	1126	925	454	48	3857
Hydro Gen (MU)	260	35	77	87	24	482
Wind Gen (MU)	17	67	142	-----	-----	226
Solar Gen (MU)*	18.56	19.08	59.05	0.78	0.02	97
Energy Shortage (MU)	28.8	0.0	0.0	0.0	1.1	29.9
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	57940 22:32	50894 14:41	42072 19:28	21519 00:00	2744 19:20	168996 20:48

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	0.134	1.52	4.71	34.95	41.18	56.42	2.40

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	10184	0	229.2	111.2	-1.2	87	4.6	
	Haryana	8800	0	191.0	128.8	3.1	324	4.3	
	Rajasthan	9886	0	225.6	65.8	0.5	413	1.9	
	Delhi	6204	0	126.6	97.2	-0.1	288	0.0	
	UP	18236	60	405.5	168.4	2.9	474	6.2	
	Uttarakhand	2124	0	50.3	18.2	1.7	258	1.9	
	HP	1426	0	28.1	7.8	3.1	389	0.0	
	J&K	2041	510	42.2	16.7	0.3	230	10.0	
	Chandigarh	296	0	5.8	5.7	0.2	43	0.0	
	WR	Chhattisgarh	3632	0	84.5	17.4	-2.1	231	0.0
Gujarat		16816	0	368.1	143.2	2.2	309	0.0	
MP		8112	0	178.0	66.3	0.6	476	0.0	
Maharashtra		20338	0	450.9	137.6	-2.4	405	0.0	
Goa		426	0	8.9	8.3	0.0	35	0.0	
DD		344	0	7.6	6.3	1.4	91	0.0	
DNH		748	0	17.1	16.6	0.5	83	0.0	
Essar steel		526	0	10.7	10.4	0.3	187	0.0	
SR		Andhra Pradesh	9188	0	188.2	31.8	3.6	719	0.0
		Telangana	7616	0	160.9	67.7	1.5	563	0.0
	Karnataka	8383	0	178.6	53.9	1.6	587	0.0	
	Kerala	3215	0	63.9	40.2	0.2	212	0.0	
	Tamil Nadu	15183	0	325.4	100.8	0.1	818	0.0	
	Pondy	384	0	7.9	8.2	-0.3	51	0.0	
ER	Bihar	4870	0	94.6	91.0	0.9	435	0.0	
	DVC	2785	0	67.6	-26.6	-0.1	345	0.0	
	Jharkhand	1084	0	23.7	17.7	-0.3	170	0.0	
	Odisha	4676	0	95.6	42.2	1.8	345	0.0	
	West Bengal	8598	0	171.4	64.2	-0.7	435	0.0	
Sikkim	83	0	1.4	1.1	0.2	20	0.0		
NER	Arunachal Pradesh	122	2	2.0	2.3	-0.2	45	0.0	
	Assam	1721	30	30.0	22.5	2.6	146	0.9	
	Manipur	170	2	2.2	2.4	-0.3	49	0.0	
	Meghalaya	289	0	5.8	-0.2	0.3	32	0.0	
	Mizoram	89	1	1.6	0.8	0.2	9	0.0	
	Nagaland	124	1	2.1	1.9	0.0	35	0.0	
	Tripura	264	2	4.8	3.1	0.7	73	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	17.6	-8.5	-14.6
Day peak (MW)	953.8	-418.9	-657.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	255.3	-198.8	-3.0	-51.6	-4.2	-2.3
Actual(MU)	249.6	-199.8	-0.5	-47.3	-2.1	-0.1
O/D/U/D(MU)	-5.7	-1.0	2.5	4.3	2.1	2.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3705	15809	9902	750	485	30651
State Sector	5080	16564	7220	6775	50	35689
Total	8785	32373	17122	7525	535	66339

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	681	1152	559	439	10	2840
Hydro	260	34	79	87	24	484
Nuclear	31	29	47	0	0	107
Gas, Naptha & Diesel	45	54	15	0	21	134
RES (Wind, Solar, Biomass & Others)	50	87	238	1	0	376
Total	1067	1356	937	527	54	3940

Share of RES in total generation (%)	4.67	6.38	25.43	0.21	0.06	9.53
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	31.97	11.09	38.79	16.72	44.22	24.53

H. Diversity Factor

All India Demand Diversity Factor	1.037
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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(ग्रि०प्रा०)/अध्यक्ष एवं प्रबंध निदेशक(पोसोको)/सभी राज्यों के मुख्य सचिव/ऊर्जा सचिव

महाप्रबंधक (रा० भा० प्र० के०)

INTER-REGIONAL EXCHANGES								Date of Reporting :	21-Jun-18
SI No	Voltage Level	Line Details	Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)	
								Import=(+ve) /Export =(-ve) for NET (MU)	
Import/Export of ER (With NR)									
1	765kV	GAYA-VARANASI	D/C	20	356	0.0	4.9	-4.9	
2		SASARAM-FATEHPUR	S/C	307	81	2.5	0.0	2.5	
3		GAYA-BALIA	S/C	0	531	0.0	9.5	-9.5	
4	HVDC	ALIPURDUAR-AGRA	-	0	282	0.0	3.8	-3.8	
5		PUSAULI B/B	S/C	0	378	0.0	7.1	-7.1	
6	400 kV	PUSAULI-VARANASI	S/C	0	278	0.0	0.0	0.0	
7		PUSAULI -ALLAHABAD	S/C	0	165	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	879	0.0	13.1	-13.1	
9		PATNA-BALIA	Q/C	0	1130	0.0	18.6	-18.6	
10		BIHARSHARIFF-BALIA	D/C	0	514	0.0	9.5	-9.5	
11		MOTIHARI-GORAKHPUR	D/C	265	100	2.2	0.0	2.2	
12	220 kV	BIHARSHARIFF-VARANASI	D/C	907	0	0.0	1.9	-1.9	
13		PUSAULI-SAHUPURI	S/C	0	227	0.0	4.5	-4.5	
14		SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
15		132 kV	GARWAH-RIHAND	S/C	35	0	0.3	0.0	0.3
16			KARMANASA-SAHUPURI	S/C	0	38	0.0	0.0	0.0
17		KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0	
ER-NR						5.0	72.8	-67.8	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	786	132	5.2	0.0	5.2	
19		NEW RANCHI-DHARAMJAIGARH	D/C	741	0	10.0	0.0	10.0	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	943	0	14.3	0.0	14.3	
21		RANCHI-SIPAT	D/C	339	0	6.0	0.0	6.0	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	78	75	0.0	0.9	-0.9	
23		BUDHIPADAR-KORBA	D/C	144	0	2.4	0.0	2.4	
ER-WR						37.8	0.9	36.9	
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1526.8	0.0	16.0	-16.0	
25	HVDC LINK	JEYPORE-GAZUWAKA B/B	D/C	0.0	510.9	0.0	12.2	-12.2	
26		TALCHER-KOLAR BIPOLE	D/C	0.0	1482.2	0.0	19.2	-19.2	
27	400 kV	TALCHER-I/C	D/C	603.4	0.0	1.4	3.4	-2.0	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	47.4	-47.4	
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	194	334	0.0	0.6	-1	
30		ALIPURDUAR-BONGAIGAON	D/C	248	117	1.4	0.0	1	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	8	93	0.0	0.8	-1	
ER-NER						1.4	1.4	0.0	
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	500	0.0	3.0	-3.0	
NER-NR						0.0	3.0	-3.0	
Import/Export of WR (With NR)									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	2500	0.0	60.4	-60.4	
34		V'CHAL B/B	D/C	50	250	2.1	0.5	1.6	
35		APL -MHG	D/C	0	2017	0.0	42.5	-42.5	
36	765 kV	GWALIOR-AGRA	D/C	0	2504	0.0	49.1	-49.1	
37		PHAGI-GWALIOR	D/C	0	1328	0.0	26.5	-26.5	
38		JABALPUR-ORAI	D/C	0	1155	0.0	18.4	-18.4	
39		GWALIOR-ORAI	S/C	0	1886	0.0	9.8	-9.8	
40		SATNA-ORAI	S/C	0	463	0.0	41.2	-41.2	
41		ZERDA-KANKROLI	S/C	455	0	7.8	0.0	7.8	
42	400 kV	ZERDA -BHINMAL	S/C	392	0	6.5	0.0	6.5	
43		V'CHAL -RIHAND	S/C	970	0	55.9	0.0	55.9	
44		RAPP-SHUJALPUR	D/C	0	308	0	2	-2	
45	220 kV	BADOD-KOTA	S/C	75	0	0.6	0.0	0.6	
46		BADOD-MORAK	S/C	64	61	0.1	0.4	-0.4	
47		MEHGAON-AURAIYA	S/C	17	26	0.1	0.1	0.0	
48		MALANPUR-AURAIYA	S/C	0	47	0.0	0.7	-0.7	
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						72.9	251.7	-178.8	
Import/Export of WR (With SR)									
50	HVDC LINK	BHADRAWATI B/B	-	500	1000	5.4	8.0	-2.6	
51		BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	1892	885	16.5	0.0	16.5	
53		WARDHA-NIZAMABAD	D/C	0	2058	0.0	11.4	-11.4	
54	400 kV	KOLHAPUR-KUDGI	D/C	647	0	11.5	0.0	11.5	
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						35.5	19.4	16.2	
TRANSNATIONAL EXCHANGE									
58		BHUTAN						17.6	
59		NEPAL						-8.5	
60		BANGLADESH						-14.6	