



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: 25th 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 24.06.2018.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 24-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 24th 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

25-Jun-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs)	55227	42682	37075	18508	2464	155956
Peak Shortage (MW)	444	41	116	0	138	739
Energy Met (MU)	1360	990	852	421	48	3671
Hydro Gen (MU)	274	9	49	82	24	439
Wind Gen (MU)	25	88	173	-----	-----	287
Solar Gen (MU)*	20.50	15.90	53.56	0.67	0.02	91
Energy Shortage (MU)	10.7	0.0	0.0	0.0	1.1	11.8
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	61785 00:37	43681 22:29	37900 21:13	20864 00:01	2474 18:59	164327 00:30

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	0.029	0.00	0.00	2.67	2.67	83.83	13.50

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	11056	0	251.7	124.1	-0.3	106	0.0
	Haryana	9954	0	204.4	131.7	2.5	282	0.0
	Rajasthan	10004	0	227.1	65.3	1.3	380	0.0
	Delhi	6275	0	126.1	96.9	-0.9	200	0.0
	UP	19641	260	432.4	187.6	0.9	195	0.0
	Uttarakhand	2047	0	45.0	17.9	2.6	247	0.9
	HP	1318	0	27.1	7.4	1.3	247	0.0
	J&K	1965	491	40.9	19.0	-3.5	128	9.7
WR	Chandigarh	292	0	5.4	5.7	-0.3	13	0.0
	Chhattisgarh	3710	0	85.8	17.9	0.0	186	0.0
	Gujarat	14285	0	316.9	102.6	2.5	736	0.0
	MP	7670	0	165.0	71.5	-1.4	454	0.0
	Maharashtra	16753	0	385.1	100.0	-4.2	453	0.0
	Goa	371	0	8.0	7.3	0.0	32	0.0
	DD	306	0	7.0	6.6	0.4	54	0.0
	DNH	739	0	17.3	17.3	0.0	172	0.0
SR	Essar steel	269	0	4.5	3.7	0.8	205	0.0
	Andhra Pradesh	7838	0	175.7	22.1	0.1	490	0.0
	Telangana	6610	0	138.6	60.1	0.0	319	0.0
	Karnataka	7841	0	163.4	47.9	-6.6	460	0.0
	Kerala	3134	0	59.5	31.6	0.7	260	0.0
	Tamil Nadu	13608	0	307.3	111.5	1.6	482	0.0
	Pondy	335	0	7.5	7.6	-0.1	45	0.0
	ER	Bihar	4655	0	86.6	86.6	-2.4	10
DVC		3071	0	67.4	-40.5	-0.2	200	0.0
Jharkhand		1133	0	22.4	19.8	0.1	180	0.0
Odisha		4496	0	90.2	48.1	3.4	400	0.0
West Bengal		8049	0	154.0	37.8	0.7	250	0.0
Sikkim		71	0	0.9	1.2	-0.3	0	0.0
NER	Arunachal Pradesh	119	4	2.3	2.3	0.0	0	0.0
	Assam	1559	250	29.8	24.0	0.7	116	1.0
	Manipur	164	3	2.4	2.5	-0.2	8	0.0
	Meghalaya	281	0	5.4	0.3	0.1	58	0.0
	Mizoram	80	2	1.7	1.3	-0.3	11	0.0
	Nagaland	118	3	2.1	2.1	-0.2	14	0.0
	Tripura	254	3	3.9	4.1	-0.2	42	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	16.6	-6.5	-15.2
Day peak (MW)	781.9	-382.5	-664.1

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	287.0	-237.2	30.6	-77.8	-1.7	0.9
Actual(MU)	289.8	-243.0	21.9	-69.1	-3.4	-3.8
O/D/U/D(MU)	2.8	-5.8	-8.7	8.7	-1.7	-4.7

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3482	15001	9812	450	118	28863
State Sector	3475	15260	6990	5815	50	31590
Total	6957	30261	16802	6265	168	60453

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	687	1066	467	436	8	2663
Hydro	274	9	50	82	24	440
Nuclear	26	29	46	0	0	102
Gas, Naptha & Diesel	46	44	13	0	22	126
RES (Wind, Solar, Biomass & Others)	59	104	264	1	0	428
Total	1093	1252	840	519	55	3759

Share of RES in total generation (%)	5.44	8.32	31.38	0.19	0.05	11.39
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	32.95	11.37	42.89	16.05	44.47	25.82

H. Diversity Factor

All India Demand Diversity Factor	1.014
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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(परिपत्रण)/(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 :	25-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	0	677	0.0	12.7	-12.7	
2		SASARAM-FATEHPUR	S/C	87	170	0.0	1.6	-1.6	
3		GAYA-BALIA	S/C	0	592	0.0	12.7	-12.7	
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0	
5		PUSAULI B/B	S/C	0	49	0.0	1.3	-1.3	
6	400 kV	PUSAULI-VARANASI	S/C	0	70	0.0	0.0	0.0	
7		PUSAULI -ALLAHABAD	S/C	11	36	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	866	0.0	17.6	-17.6	
9		PATNA-BALIA	Q/C	0	1058	0.0	18.6	-18.6	
10		BIHARSHARIFF-BALIA	D/C	0	640	0.0	14.9	-14.9	
11		MOTIHARI-GORAKHPUR	D/C	5	188	0.0	2.2	-2.2	
12	220 kV	BIHARSHARIFF-VARANASI	D/C	918	0	0.0	5.1	-5.1	
13		PUSAULI-SAHUPURI	S/C	0	203	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	43	0.6	0.0	0.6
17		KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0	
ER-NR						1.0	91.1	-90.1	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	957	0	9.5	0.0	9.5	
19		NEW RANCHI-DHARAMJAIGARH	D/C	505	0	8.2	0.0	8.2	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	884	0	15.0	0.0	15.0	
21		RANCHI-SIPAT	D/C	274	4	5.0	0.0	5.0	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	84	35	0.6	0.0	0.6	
23		BUDHIPADAR-KORBA	D/C	143	0	2.7	0.0	2.7	
ER-WR						41.0	0.0	41.0	
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1116.8	0.0	15.5	-15.5	
25	HVDC LINK	JEYPORE-GAZUWAKA B/B	D/C	0.0	670.5	0.0	15.2	-15.2	
26		TALCHER-KOLAR BIPOLE	D/C	0.0	1582.9	0.0	24.1	-24.1	
27	400 kV	TALCHER-I/C	D/C	213.3	0.8	5.4	1.8	3.6	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	54.7	-54.7	
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	213	99	2.1	0.0	2	
30		ALIPURDUAR-BONGAIGAON	D/C	268	50	3.2	0.0	3	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	19	66	0.0	0.4	0	
ER-NER						5.4	0.4	5.0	
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	0	0.0	0.0	0.0	
NER-NR						0.0	0.0	0.0	
Import/Export of WR (With NR)									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1500	0.0	35.6	-35.6	
34		V'CHAL B/B	D/C	250	250	1.2	3.0	-1.8	
35		APL -MHG	D/C	0	2518	0.0	48.1	-48.1	
36	765 kV	GWALIOR-AGRA	D/C	0	2778	0.0	57.1	-57.1	
37		PHAGI-GWALIOR	D/C	0	1586	0.0	31.9	-31.9	
38		JABALPUR-ORAI	D/C	0	1430	0.0	28.4	-28.4	
39		GWALIOR-ORAI	S/C	0	1855	11.5	0.0	11.5	
40		SATNA-ORAI	S/C	564	0	0.0	41.9	-41.9	
41		ZERDA-KANKROLI	S/C	404	0	6.8	0.0	6.8	
42	400 kV	ZERDA -BHINMAL	S/C	392	0	5.6	0.0	5.6	
43		V'CHAL -RIHAND	S/C	961	0	21.9	0.0	21.9	
44		RAPP-SHUJALPUR	D/C	0	365	0	3	-3	
45	220 kV	BADOD-KOTA	S/C	74	61	0.4	0.3	0.1	
46		BADOD-MORAK	S/C	19	90	0.0	0.8	-0.8	
47		MEHGAON-AURAIYA	S/C	0	36	0.0	0.4	-0.4	
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	
WR-NR						47.4	250.6	-203.1	
Import/Export of WR (With SR)									
50	HVDC LINK	BHADRAWATI B/B	-	0	500	0.0	10.0	-10.0	
51		BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	1353	461	4.7	0.0	4.7	
53		WARDHA-NIZAMABAD	D/C	0	1317	0.0	12.8	-12.8	
54	400 kV	KOLHAPUR-KUDGI	D/C	1151	0	18.2	0.0	18.2	
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						25.0	22.9	2.1	
TRANSNATIONAL EXCHANGE									
58		BHUTAN						16.6	
59		NEPAL						-6.5	
60		BANGLADESH						-15.2	