



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: 12th June 2018

To,

1. कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के., 14, गोल्फ क्लब रोड, कोलकाता - 700033
Executive Director, 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. कार्यकारी निदेशक, प.क्षे.भा.प्रे.के., एफ3-, एम आई डी सी क्षेत्र, अंधेरी, मुंबई -400093
Executive Director, WRLDC, F-3, M.I.D.C. Area, Marol, Andheri (East), Mumbai-400093
4. कार्यकारी निदेशक, ऊ.पू.क्षे.भा.प्रे.के., डोंगतिह, लोअर नोंग्रह, लापलंग, शिलोंग - 793006
Executive Director, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
5. महाप्रबंधक, द.क्षे.भा.प्रे.के., 29, रेस कोर्स क्रॉस रोड, बंगलुरु -560009
General Manager, SRLDC, 29, Race Course Cross Road, Bangalore-560009

Sub: Daily PSP Report for the date 11.06.2018.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 11-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 11th 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

12-Jun-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs)	52348	45531	39649	19375	2593	159496
Peak Shortage (MW)	369	32	0	0	110	511
Energy Met (MU)	1209	1074	810	440	48	3582
Hydro Gen (MU)	321	13	55	79	17	486
Wind Gen (MU)	38	169	215	-----	-----	422
Solar Gen (MU)*	19.00	16.88	40.05	0.60	0.01	77
Energy Shortage (MU)	7.3	0.0	0.0	0.0	1.7	9.0
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	57208 22:55	46453 15:20	40268 19:36	20583 20:21	2639 18:59	163568 21:18

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	0.021	0.00	0.00	2.27	2.27	86.24	11.49

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	7468	#N/A	174.3	103.6	-0.3	0	0.0
	Haryana	7739	0	161.5	123.6	3.2	359	1.3
	Rajasthan	10151	0	220.2	67.9	0.0	410	0.0
	Delhi	6317	0	126.4	102.9	-2.5	120	0.1
	UP	19623	-920	408.5	178.0	0.7	270	0.0
	Uttarakhand	2077	0	43.6	18.5	0.8	246	0.0
	HP	1378	0	26.5	3.1	0.5	71	0.0
	J&K	2087	522	42.0	21.6	-4.4	0	5.8
WR	Chandigarh	322	0	6.2	6.8	-0.5	14	0.0
	Chhattisgarh	3174	0	71.9	16.6	-2.5	286	0.0
	Gujarat	16669	0	364.1	128.5	9.5	475	0.0
	MP	7555	0	164.7	48.2	-0.9	462	0.0
	Maharashtra	18849	0	429.4	118.9	-0.9	587	0.0
	Goa	496	0	10.6	8.2	1.7	40	0.0
	DD	337	0	7.5	6.7	0.8	58	0.0
	DNH	774	0	18.0	17.3	0.7	75	0.0
SR	Essar steel	415	0	7.9	7.9	0.0	153	0.0
	Andhra Pradesh	6711	0	153.7	14.8	-0.9	491	0.0
	Telangana	6990	0	124.9	50.7	-0.7	560	0.0
	Karnataka	7496	0	147.4	36.8	-6.3	340	0.0
	Kerala	3389	0	62.5	42.1	1.2	200	0.0
	Tamil Nadu	15050	0	313.5	101.5	0.5	516	0.0
	Pondy	383	0	8.0	8.3	-0.3	25	0.0
	Bihar	4697	0	90.1	88.3	-0.8	385	0.0
ER	DVC	2972	0	70.4	-28.0	-0.5	375	0.0
	Jharkhand	1131	0	22.1	16.6	2.0	156	0.0
	Odisha	4557	0	91.8	47.0	0.8	356	0.0
	West Bengal	7681	0	164.7	56.2	1.9	435	0.0
	Sikkim	83	0	1.2	1.3	-0.2	20	0.0
NER	Arunachal Pradesh	116	6	1.8	2.2	-0.5	14	0.0
	Assam	1689	69	32.5	25.7	3.0	139	1.4
	Manipur	157	4	1.7	2.4	-0.7	14	0.0
	Meghalaya	309	0	5.2	2.1	-0.2	37	0.0
	Mizoram	78	3	1.4	1.1	-0.1	5	0.0
	Nagaland	147	2	2.3	1.8	0.4	36	0.0
	Tripura	226	10	3.4	4.1	-1.1	30	0.2

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	16.0	-7.2	-11.7
Day peak (MW)	835.6	-459.7	-686.5

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	247.5	-247.2	17.7	-23.8	7.4	1.6
Actual(MU)	250.8	-240.4	7.2	-19.0	5.2	3.7
O/D/U/D(MU)	3.3	6.8	-10.6	4.8	-2.2	2.1

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4425	13056	8902	1890	196	28469
State Sector	6885	16875	9230	5095	50	38135
Total	11310	29931	18132	6985	246	66604

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	532	1051	411	404	8	2404
Hydro	321	13	56	79	17	487
Nuclear	30	30	46	0	0	107
Gas, Naptha & Diesel	31	50	11	0	22	113
RES (Wind, Solar, Biomass & Others)	71	186	289	1	0	547
Total	985	1329	813	484	46	3658

Share of RES in total generation (%)	7.22	13.96	35.55	0.22	0.07	14.95
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	42.89	17.21	48.21	16.61	36.36	31.18

H. Diversity Factor

All India Demand Diversity Factor	1.022
-----------------------------------	-------

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-के०वि०प्रा०(सि०प्र०)/

अध्यक्ष एवं प्रबंध निदेशक(पोसोको)/सभी राज्यों के मुख्य सचिव/ऊर्जा सचिव

महाप्रबंधक (रा० भा० प्रे० के०)

INTER-REGIONAL EXCHANGES								Date of Reporting :	12-Jun-18
Sl 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	47	341	0.0	4.0	-4.0	
2		SASARAM-FATEHPUR	S/C	181	80	0.8	0.0	0.8	
3		GAYA-BALIA	S/C	0	497	0.0	8.5	-8.5	
4	HVDC	ALIPURDUAR-AGRA	-	0	287	0.0	9.6	-9.6	
5		PUSAULI B/B	S/C	0	49	0.0	1.3	-1.3	
6	400 kV	PUSAULI-VARANASI	S/C	0	96	0.0	0.0	0.0	
7		PUSAULI -ALLAHABAD	S/C	36	21	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	602	0.0	6.6	-6.6	
9		PATNA-BALIA	Q/C	0	684	0.0	8.8	-8.8	
10		BIHARSHARIFF-BALIA	D/C	0	378	0.0	5.0	-5.0	
11		MOTIHARI-GORAKHPUR	D/C	3	255	0.0	3.5	-3.5	
12	BIHARSHARIFF-VARANASI	D/C	471	40	0.5	0.0	0.5		
13	220 kV	PUSAULI-SAHUPURI	S/C	0	212	0.0	4.3	-4.3	
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	34	0.4	0.0	0.4	
17		KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0	
						ER-NR	2.0	51.6	-49.6
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	931	0	23.1	0.0	23.1	
19		NEW RANCHI-DHARAMJAIGARH	D/C	873	0	16.5	0.0	16.5	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	1007	0	19.8	0.0	19.8	
21		RANCHI-SIPAT	D/C	426	0	8.1	0.0	8.1	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	127	5	0.0	1.9	-1.9	
23		BUDHIPADAR-KORBA	D/C	152	0	0.0	2.7	-2.7	
						ER-WR	67.5	4.5	62.9
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1518.8	0.0	18.7	-18.7	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	317.2	0.0	7.5	-7.5	
26		LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1286.7	0.0	31.1	-31.1
27	400 kV	TALCHER-I/C	D/C	905.7	0.8	0.0	15.0	-15.0	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0	
						ER-SR	0.0	57.3	-57.3
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	508	0.0	8.4	-8	
30		ALIPURDUAR-BONGAIGAON	D/C	0	263	0.0	3.6	-4	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	139	0.0	1.9	-2	
						ER-NER	0.0	13.9	-13.9
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	500	0.0	12.0	-12.0	
						NER-NR	0.0	12.0	-12.0
Import/Export of WR (With NR)									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	213	0.0	32.8	-32.8	
34		V'CHAL B/B	D/C	250	250	4.1	1.8	2.3	
35		APL -MHG	D/C	0	1814	0.0	38.0	-38.0	
36	765 kV	GWALIOR-AGRA	D/C	0	2562	0.0	47.3	-47.3	
37		PHAGI-GWALIOR	D/C	0	1636	0.0	29.9	-29.9	
38		JABALPUR-ORAI	D/C	0	1257	0.0	23.8	-23.8	
39		GWALIOR-ORAI	S/C	0	1948	9.8	0.0	9.8	
40		SATNA-ORAI	S/C	469	0	0.0	41.1	-41.1	
41		ZERDA-KANKROLI	S/C	482	0	6.0	0.0	6.0	
42	400 kV	ZERDA -BHINMAL	S/C	450	0	5.1	0.0	5.1	
43		V'CHAL -RIHAND	S/C	467	0	10.1	0.0	10.1	
44		RAPP-SHUJALPUR	D/C	0	426	0	3	-3	
45	220 kV	BADOD-KOTA	S/C	22	107	0.0	0.9	-0.9	
46		BADOD-MORAK	S/C	0	119	0.0	1.5	-1.5	
47		MEHGAON-AURAIYA	S/C	16	41	0.0	0.4	-0.4	
48		MALANPUR-AURAIYA	S/C	0	61	0.0	1.0	-1.0	
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						WR-NR	35.1	221.7	-186.6
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	200	0.0	4.8	-4.8	
51		LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	765 kV	SOLAPUR-RAICHUR	D/C	1578	284	13.2	0.0	13.2	
53		WARDHA-NIZAMABAD	D/C	0	1204	0.0	12.2	-12.2	
54	400 kV	KOLHAPUR-KUDGI	D/C	743	0	14.0	0.0	14.0	
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	29.4	17.0	12.3
TRANSNATIONAL EXCHANGE									
58		BHUTAN						16.0	
59		NEPAL						-7.2	
60		BANGLADESH						-11.7	