



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: 26th July 2018

To,

- कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के.,14 , गोल्फ क्लब रोड , कोलकाता - 700033
Executive Director, ERLDC, 14 Golf Club Road, Tolleygunge, Kolkata, 700033
- 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
- 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
- कार्यकारी निदेशक, ऊ.पू.क्षे.भा.प्रे.के., डोंगतिह, लोअर नॉग्रह , लापालंग, शिलॉंग - 793006
Executive Director, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
- 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 25.07.2018.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 25-जुलाई-2018 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट राभाप्रेके 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 25th July 2018, is available at the NLDC website.

धन्यवाद,

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs: from RLDCs)	49075	41660	42301	19795	2688	155519
Peak Shortage (MW)	693	0	0	0	116	809
Energy Met (MU)	1168	955	957	425	50	3553
Hydro Gen (MU)	326	21	115	103	26	591
Wind Gen (MU)	50	148	205	-----	-----	403
Solar Gen (MU)*	16.28	9.08	49.43	0.43	0.02	75
Energy Shortage (MU)	9.0	0.0	0.9	0.0	1.3	11.1
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	54690 00:25	43157 09:52	43454 19:30	20708 19:50	2635 18:55	158977 19:55

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	0.041	0.29	0.56	5.73	6.57	69.85	23.58

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	10500	0	231.7	137.9	-1.4	91	0.0	
	Haryana	8611	0	183.0	149.6	0.1	256	0.0	
	Rajasthan	8033	0	176.9	41.4	-0.9	249	0.0	
	Delhi	5734	0	118.1	92.6	-2.3	186	0.0	
	UP	18065	0	344.3	165.3	-0.4	459	0.0	
	Uttarakhand	1932	0	43.3	29.0	-1.0	106	0.0	
	HP	1305	0	27.0	-1.9	2.2	261	0.1	
	J&K	2006	501	37.3	18.0	-6.3	0	8.9	
	Chandigarh	301	0	5.9	6.4	-0.5	14	0.0	
	WR	Chhattisgarh	3499	0	79.1	10.3	-1.2	147	0.0
Gujarat		12229	0	277.6	48.9	0.9	596	0.0	
MP		7000	0	153.5	69.3	-1.2	430	0.0	
Maharashtra		18172	0	396.1	110.7	4.8	702	0.0	
Goa		440	0	10.1	9.3	0.1	97	0.0	
DD		329	0	7.3	6.3	1.0	79	0.0	
DNH		730	0	17.1	16.6	0.5	56	0.0	
Essar steel		667	0	13.8	14.1	-0.3	272	0.0	
SR		Andhra Pradesh	8000	0	181.7	21.6	3.6	431	0.0
		Telangana	9162	0	195.7	91.7	0.6	574	0.0
	Karnataka	8683	0	180.3	52.4	2.4	445	0.0	
	Kerala	3197	0	62.8	23.1	1.7	295	0.8	
	Tamil Nadu	14632	0	328.2	99.6	0.0	349	0.0	
	Pondy	360	0	7.9	8.0	-0.1	61	0.2	
ER	Bihar	4532	0	79.2	81.8	-2.9	100	0.0	
	DVC	2999	0	69.0	-39.0	2.5	300	0.0	
	Jharkhand	1072	0	21.6	18.9	-2.2	0	0.0	
	Odisha	4367	0	86.0	41.6	4.5	470	0.0	
	West Bengal	8169	0	167.7	52.3	2.6	300	0.0	
	Sikkim	97	0	1.2	1.3	-0.1	0	0.0	
NER	Arunachal Pradesh	103	2	2.1	2.2	-0.1	55	0.0	
	Assam	1756	65	32.5	26.5	1.5	178	1.1	
	Manipur	160	3	2.2	2.3	-0.1	20	0.0	
	Meghalaya	297	0	5.8	0.8	-0.2	24	0.0	
	Mizoram	83	2	1.5	0.8	0.0	8	0.0	
	Nagaland	116	2	2.1	1.9	-0.2	9	0.0	
	Tripura	258	1	3.8	6.0	-0.8	40	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	33.5	-6.4	-14.6
Day peak (MW)	1555.9	-424.8	-648.8

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	272.7	-245.4	60.7	-54.1	-2.2	31.7
Actual(MU)	265.0	-240.3	48.5	-45.2	-2.4	25.6
O/D/U/D(MU)	-7.7	5.2	-12.2	8.9	-0.2	-6.1

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4614	17727	9792	1535	179	33847
State Sector	9575	19276	9790	5625	50	44316
Total	14189	37003	19582	7160	229	78162

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	482	962	447	395	8	2293
Hydro	326	21	116	103	26	592
Nuclear	27	30	53	0	0	110
Gas, Naptha & Diesel	27	37	25	0	25	113
RES (Wind, Solar, Biomass & Others)	79	157	289	1	0	526
Total	940	1208	929	499	59	3635

Share of RES in total generation (%)	8.41	12.98	31.12	0.14	0.06	14.46
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	45.97	17.21	49.28	20.84	44.39	33.79

H. Diversity Factor

All India Demand Diversity Factor	1.036
-----------------------------------	-------

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.

INTER-REGIONAL EXCHANGES								Date of Reporting :	26-Jul-18
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	511	0.0	8.7	-8.7	
2		SASARAM-FATEHPUR	S/C	156	137	0.3	0.0	0.3	
3		GAYA-BALIA	S/C	0	365	0.0	10.6	-10.6	
4		ALIPURDUAR-AGRA	-	0	589	0.0	11.9	-11.9	
5	400 kV	PUSAULI B/B	S/C	2	147	0.0	3.6	-3.6	
6		PUSAULI-VARANASI	S/C	0	133	0.0	0.0	0.0	
7		PUSAULI -ALLAHABAD	S/C	0	88	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	881	0.0	16.0	-16.0	
9		PATNA-BALIA	Q/C	0	888	0.0	16.6	-16.6	
10		BIHARSHARIFF-BALIA	D/C	0	434	0.0	8.1	-8.1	
11		MOTIHARI-GORAKHPUR	D/C	252	0	3.5	0.0	3.5	
12		BIHARSHARIFF-VARANASI	D/C	912	0	0.0	4.2	-4.2	
13		220 kV	PUSAULI-SAHUPURI	S/C	0	162	0.0	3.2	-3.2
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	0	0.0	0.0	0.0
17		KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0	
						ER-NR	4.2	82.7	-78.5
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	837	0	22.2	0.0	22.2	
19		NEW RANCHI-DHARAMJAIGARH	D/C	689	0	10.5	0.0	10.5	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	829	0	15.6	0.0	15.6	
21		RANCHI-SIPAT	D/C	343	0	6.4	0.0	6.4	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	149	0	2.4	0.0	2.4	
23		BUDHIPADAR-KORBA	D/C	189	0	3.9	0.0	3.9	
						ER-WR	61.0	0.0	61.0
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1178.8	0.0	14.1	-14.1	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	1.6	375.9	0.0	7.3	-7.3	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1485.2	0.0	28.4	-28.4	
27	400 kV	TALCHER-I/C	D/C	616.5	0.8	0.3	9.9	-9.6	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0	
						ER-SR	0.0	49.8	-49.8
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	374	0.0	5.0	-5	
30		ALIPURDUAR-BONGAIGAON	D/C	212	139	0.3	0.0	0	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	100	0.0	2.7	-3	
						ER-NER	0.3	7.7	-7.4
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	602	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	0	2002	0.0	37.8	-37.8	
34		V'CHAL B/B	D/C	144	53	1.1	0.4	0.8	
35		APL -MHG	D/C	0	1537	0.0	31.6	-31.6	
36		765 kV	GWALIOR-AGRA	D/C	0	1127	0.0	45.3	-45.3
37	PHAGI-GWALIOR		D/C	0	1259	0.0	23.3	-23.3	
38	JABALPUR-ORAI		D/C	0	675	0.0	21.4	-21.4	
39	GWALIOR-ORAI		S/C	338	0	6.3	0.0	6.3	
40	SATNA-ORAI		S/C	0	1666	0.0	32.6	-32.6	
41	400 kV		ZERDA-KANKROLI	S/C	156	109	0.7	0.0	0.7
42			ZERDA -BHINMAL	S/C	186	83	1.6	0.0	1.6
43			V'CHAL -RIHAND	S/C	970	0	18.8	0.0	18.8
44			RAPP-SHUJALPUR	D/C	168	254	0	1	-1
45	220 kV		BADOD-KOTA	S/C	28	39	0.1	0.6	-0.6
46		BADOD-MORAK	S/C	0	60	0.0	1.4	-1.4	
47		MEHGAON-AURAIYA	S/C	38	30	0.1	0.2	-0.1	
48	132kV	MALANPUR-AURAIYA	S/C	11	44	0.0	0.5	-0.5	
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						WR-NR	28.7	195.9	-167.2
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	305	0.0	7.2	-7.2	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	1129	749	4.5	0.0	4.5	
53		WARDHA-NIZAMABAD	D/C	0	1954	0.0	23.3	-23.3	
54	400 kV	KOLHAPUR-KUDGI	D/C	755	0	9.3	0.0	9.3	
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	0	0	0.0	0.0	0.0	
						WR-SR	13.8	30.5	-16.8
TRANSNATIONAL EXCHANGE									
58		BHUTAN						33.5	
59		NEPAL						-6.4	
60		BANGLADESH						-14.6	