



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: 29th July 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., डोंगतेिह, 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 28.07.2018.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 28-जुलाई-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 28th July 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

29-Jul-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs: from RLDCs)	47143	43440	42367	20106	2663	155720
Peak Shortage (MW)	1257	0	0	100	165	1522
Energy Met (MU)	1020	979	970	418	52	3439
Hydro Gen (MU)	295	25	123	107	24	574
Wind Gen (MU)	36	151	195	-----	-----	382
Solar Gen (MU)*	13.27	15.04	44.74	0.38	0.01	73
Energy Shortage (MU)	10.5	0.0	0.0	0.3	1.2	12.0
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	49455 20:45	45483 19:44	43822 07:22	21346 21:09	2755 18:58	160074 20:17

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	0.046	0.00	0.58	12.14	12.72	80.71	6.57

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	9316	0	209.0	135.0	-0.7	91	0.0	
	Haryana	7139	0	142.3	125.9	1.4	273	0.0	
	Rajasthan	8746	0	188.1	66.2	0.5	431	0.0	
	Delhi	4424	0	95.1	81.6	0.5	313	0.1	
	UP	15140	0	286.1	148.5	0.7	305	0.0	
	Uttarakhand	1530	0	32.5	27.2	0.7	299	1.4	
	HP	1164	0	24.2	4.3	4.0	355	0.0	
	J&K	2024	506	38.1	16.5	-4.0	22	9.1	
	Chandigarh	232	0	4.7	5.7	-1.0	0	0.0	
	WR	Chhattisgarh	3546	0	82.9	12.1	0.3	251	0.0
Gujarat		13140	0	290.0	68.7	3.4	607	0.0	
MP		7656	0	161.5	67.2	0.8	681	0.0	
Maharashtra		17917	0	402.4	113.4	5.5	894	0.0	
Goa		444	0	8.9	8.7	-0.4	61	0.0	
DD		309	0	7.0	5.9	1.0	89	0.0	
DNH		699	0	16.2	15.8	0.5	74	0.0	
Essar steel		496	0	9.8	10.0	-0.2	260	0.0	
SR		Andhra Pradesh	8250	0	182.0	30.9	2.1	682	0.0
		Telangana	9528	0	208.2	102.9	0.6	420	0.0
	Karnataka	8856	0	180.4	52.1	0.6	543	0.0	
	Kerala	3273	0	64.8	25.3	-0.1	173	0.0	
	Tamil Nadu	14762	0	328.1	100.0	-1.0	407	0.0	
	Pondy	367	0	6.8	6.9	-0.1	56	0.0	
	ER	Bihar	4609	0	80.0	80.1	-0.3	200	0.0
		DVC	3499	0	66.9	-34.3	-0.5	220	0.0
		Jharkhand	1178	0	22.3	18.8	-0.6	80	0.0
		Odisha	4896	0	90.2	48.6	2.2	250	0.3
West Bengal		7988	0	157.3	44.7	1.1	225	0.0	
Sikkim		90	0	1.4	1.3	0.1	15	0.0	
NER	Arunachal Pradesh	106	4	2.2	2.1	0.1	55	0.0	
	Assam	1745	76	33.8	27.9	1.8	178	1.1	
	Manipur	167	1	2.1	2.4	-0.2	20	0.0	
	Meghalaya	312	0	5.9	1.2	-0.2	24	0.0	
	Mizoram	84	0	1.2	0.7	0.0	8	0.0	
	Nagaland	108	4	2.2	1.7	0.1	9	0.0	
	Tripura	247	3	4.4	5.7	0.1	40	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	32.1	-5.4	-14.7
Day peak (MW)	1567.2	-264.5	-658.2

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	255.6	-238.7	57.1	-72.9	-1.4	-0.3
Actual(MU)	240.5	-238.7	65.3	-66.1	-1.8	-0.8
O/D/U/D(MU)	-15.0	0.0	8.2	6.8	-0.4	-0.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5107	17649	8692	1210	179	32837
State Sector	14050	19298	9160	6735	50	49293
Total	19157	36947	17852	7945	229	82130

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	410	963	443	402	8	2226
Hydro	295	26	124	107	24	576
Nuclear	27	30	57	0	0	115
Gas, Naptha & Diesel	11	38	25	0	25	99
RES (Wind, Solar, Biomass & Others)	62	166	277	1	0	506
Total	806	1222	926	510	58	3521

Share of RES in total generation (%)	7.73	13.57	29.93	0.13	0.05	14.37
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	47.73	18.10	49.50	21.19	41.65	33.97

H. Diversity Factor

All India Demand Diversity Factor	1.017
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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.

INTER-REGIONAL EXCHANGES

Date of Reporting : 29-Jul-18

Import=(+ve)
/Export =(-ve)
for NET (MU)

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	540	0.0	8.7	-8.7
2		SASARAM-FATEHPUR	S/C	135	140	0.4	0.0	0.4
3		GAYA-BALIA	S/C	0	393	0.0	6.5	-6.5
4		ALIPURDUAR-AGRA	-	0	439	0.0	9.5	-9.5
5	HVDC	PUSAULI B/B	S/C	0	147	0.0	3.6	-3.6
6	400 kV	PUSAULI-VARANASI	S/C	0	126	0.0	0.0	0.0
7		PUSAULI -ALLAHABAD	S/C	0	82	0.0	0.0	0.0
8		MUZAFFARPUR-GORAKHPUR	D/C	0	909	0.0	17.4	-17.4
9		PATNA-BALIA	Q/C	0	998	0.0	19.1	-19.1
10		BIHARSHARIFF-BALIA	D/C	0	463	0.0	8.1	-8.1
11		MOTIHARI-GORAKHPUR	D/C	283	14	4.1	0.0	4.1
12		BIHARSHARIFF-VARANASI	D/C	808	0	0.0	4.8	-4.8
13	220 kV	PUSAULI-SAHUPURI	S/C	0	152	0.0	2.9	-2.9
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		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						5.0	80.4	-75.5
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1047	0	28.7	0.0	28.7
19		NEW RANCHI-DHARAMJAIGARH	D/C	524	78	11.6	0.0	11.6
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	921	0	15.5	0.0	15.5
21		RANCHI-SIPAT	D/C	304	0	5.2	0.0	5.2
22	220 kV	BUDHIPADAR-RAIGARH	S/C	159	5	2.8	0.0	2.8
23		BUDHIPADAR-KORBA	D/C	378	0	3.9	0.0	3.9
ER-WR						67.7	0.0	67.7
Import/Export of ER (With SR)								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1213.8	0.0	13.7	-13.7
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	515.0	0.0	12.1	-12.1
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1485.6	0.0	34.8	-34.8
27	400 kV	TALCHER-I/C	D/C	835.6	0.8	0.0	12.9	-12.9
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0
ER-SR						0.0	60.6	-60.6
Import/Export of ER (With NER)								
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	412	0.0	6.6	-7
30		ALIPURDUAR-BONGAIGAON	D/C	61	238	0.0	2.7	-3
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	124	0.0	2.0	-2
ER-NER						0.0	11.2	-11.2
Import/Export of NER (With NR)								
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	600	0.0	14.4	-14.4
NER-NR						0.0	14.4	-14.4
Import/Export of WR (With NR)								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	2005	0.0	21.9	-21.9
34		V'CHAL B/B	D/C	241	0	6.1	0.0	6.1
35		APL -MHG	D/C	0	1163	0.0	18.9	-18.9
36		GWALIOR-AGRA	D/C	0	1253	0.0	47.3	-47.3
37	765 kV	PHAGI-GWALIOR	D/C	0	1475	0.0	28.5	-28.5
38		JABALPUR-ORAI	D/C	0	620	0.0	21.8	-21.8
39		GWALIOR-ORAI	S/C	452	0	8.6	0.0	8.6
40		SATNA-ORAI	S/C	0	1762	0.0	37.8	-37.8
41		ZERDA-KANKROLI	S/C	161	186	0.0	0.8	-0.8
42	400 kV	ZERDA -BHINMAL	S/C	162	187	0.0	0.7	-0.7
43		V'CHAL -RIHAND	S/C	970	0	19.1	0.0	19.1
44		RAPP-SHUJALPUR	D/C	45	345	0	3	-3
45	220 kV	BADOD-KOTA	S/C	13	55	0.0	1.4	-1.4
46		BADOD-MORAK	S/C	0	138	0.0	2.1	-2.1
47		MEHGAON-AURAIYA	S/C	46	20	0.1	0.1	0.1
48	132kV	MALANPUR-AURAIYA	S/C	25	32	0.1	0.3	-0.3
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						34.0	184.2	-150.2
Import/Export of WR (With SR)								
50	HVDC	BHADRAWATI B/B	-	0	502	0.0	11.4	-11.4
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	765 kV	SOLAPUR-RAICHUR	D/C	1113	1037	4.4	0.0	4.4
53		WARDHA-NIZAMABAD	D/C	0	2102	0.0	27.4	-27.4
54	400 kV	KOLHAPUR-KUDGI	D/C	689	0	7.8	0.0	7.8
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						12.1	38.8	-26.7
TRANSNATIONAL EXCHANGE								
58		BHUTAN						32.1
59		NEPAL						-5.4
60		BANGLADESH						-14.7