



National Load Despatch Centre
राष्ट्रीय भार प्रेषण केंद्र
POWER SYSTEM OPERATION CORPORATION LIMITED
पाँवर 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: 27th 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., 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 22.07.2018.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 26-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 26th 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

27-Jul-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs: from RLDCs)	46394	41581	41914	19306	2669	151864
Peak Shortage (MW)	962	0	230	0	142	1334
Energy Met (MU)	1016	939	965	409	50	3379
Hydro Gen (MU)	299	21	113	106	25	564
Wind Gen (MU)	51	176	208	-----	-----	436
Solar Gen (MU)*	10.51	8.53	42.82	0.87	0.01	63
Energy Shortage (MU)	8.8	0.0	1.2	0.0	1.4	11.5
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	48471 20:16	42989 20:05	43255 10:26	20370 20:32	2673 20:40	156609 19:53

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	0.033	0.00	0.81	3.97	4.78	74.59	20.63

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	8769	0	193.2	123.5	-1.4	103	0.0
	Haryana	7542	0	148.3	130.1	-2.2	191	0.0
	Rajasthan	7925	0	171.7	40.2	0.1	275	0.0
	Delhi	5307	0	104.9	86.5	-3.2	5	0.0
	UP	15309	0	290.9	150.3	-5.2	367	0.0
	Uttarakhand	1885	0	40.4	29.6	0.4	199	0.0
	HP	1133	0	24.0	-3.3	2.2	212	0.0
	J&K	2046	511	37.0	18.1	-6.7	0	8.8
WR	Chhattisgarh	257	0	5.6	6.2	-0.6	7	0.0
	Gujarat	3432	0	77.5	11.7	-1.7	1240	0.0
	MP	12460	0	280.4	51.4	2.4	527	0.0
	Maharashtra	6883	0	143.5	54.6	-2.3	389	0.0
	Goa	17978	0	392.5	113.3	1.8	602	0.0
	DD	440	0	10.1	8.8	0.6	27	0.0
	DNH	295	0	6.4	6.0	0.4	58	0.0
	Essar steel	710	0	16.7	16.2	0.5	65	0.0
SR	Andhra Pradesh	609	0	12.3	12.0	0.3	297	0.0
	Telangana	8273	0	185.6	25.4	4.1	645	0.0
	Karnataka	9220	0	197.5	97.0	1.3	430	0.0
	Kerala	9083	0	183.1	54.9	2.9	540	0.0
	Tamil Nadu	3233	0	63.4	24.2	1.2	206	1.1
	Pondy	14668	0	327.8	99.6	-1.3	380	0.0
	Bihar	344	30	7.6	7.7	-0.2	285	0.2
	ER	DVC	4599	0	82.8	80.9	1.7	400
Jharkhand		3026	0	66.8	-28.9	-0.9	200	0.0
Odisha		1180	0	22.4	18.4	-0.7	150	0.0
West Bengal		4332	0	82.7	39.4	4.0	400	0.0
Sikkim		7704	0	153.4	40.0	1.3	250	0.0
Arunachal Pradesh		96	0	1.3	1.3	0.0	10	0.0
Assam		107	1	2.0	2.3	-0.3	55	0.0
Manipur		1713	112	32.0	26.6	1.6	178	1.4
NER	Meghalaya	160	3	2.3	2.4	0.0	20	0.0
	Mizoram	306	0	5.7	0.7	0.0	24	0.0
	Nagaland	81	0	1.4	0.8	0.0	8	0.0
	Tripura	115	2	2.2	1.9	0.0	9	0.0
		255	1	4.1	5.8	-0.3	40	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	32.8	-5.2	-13.8
Day peak (MW)	1504.2	-430.5	-659.4

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	236.6	-224.3	46.9	-57.4	-3.1	-1.4
Actual(MU)	210.7	-224.2	62.7	-50.2	-3.5	-4.5
O/D/U/D(MU)	-25.9	0.1	15.8	7.3	-0.4	-3.1

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4972	17349	9192	1735	429	33677
State Sector	10825	18431	9700	5625	50	44631
Total	15797	35780	18892	7360	479	78308

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	410	904	435	373	7	2129
Hydro	299	21	115	106	25	566
Nuclear	27	30	52	0	0	110
Gas, Naptha & Diesel	20	36	25	0	25	106
RES (Wind, Solar, Biomass & Others)	74	185	287	1	0	547
Total	831	1175	914	480	57	3458

Share of RES in total generation (%)	8.94	15.73	31.40	0.23	0.05	15.83
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	48.22	20.06	49.70	22.28	44.18	35.37

H. Diversity Factor

All India Demand Diversity Factor	1.007
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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 : 27-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	473	0.0	6.7	-6.7
2		SASARAM-FATEHPUR	S/C	202	55	1.1	0.0	1.1
3		GAYA-BALIA	S/C	0	355	0.0	6.7	-6.7
4		ALIPURDUAR-AGRA	-	0	584	0.0	10.6	-10.6
5	HVDC	PUSAULI B/B	S/C	0	148	0.0	3.5	-3.5
6	400 kV	PUSAULI-VARANASI	S/C	0	147	0.0	0.0	0.0
7		PUSAULI -ALLAHABAD	S/C	0	65	0.0	0.0	0.0
8		MUZAFFARPUR-GORAKHPUR	D/C	0	789	0.0	15.9	-15.9
9		PATNA-BALIA	Q/C	0	824	0.0	15.5	-15.5
10		BIHARSHARIFF-BALIA	D/C	0	407	0.0	7.7	-7.7
11		MOTIHARI-GORAKHPUR	D/C	286	0	3.6	0.0	3.6
12		BIHARSHARIFF-VARANASI	D/C	939	0	0.0	3.6	-3.6
13	220 kV	PUSAULI-SAHUPURI	S/C	0	155	0.0	3.2	-3.2
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						5.1	73.3	-68.2
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	971	1	17.7	0.0	17.7
19		NEW RANCHI-DHARAMJAIGARH	D/C	732	0	11.5	0.0	11.5
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	923	0	16.0	0.0	16.0
21		RANCHI-SIPAT	D/C	376	0	5.5	0.0	5.5
22	220 kV	BUDHIPADAR-RAIGARH	S/C	202	0	2.8	0.0	2.8
23		BUDHIPADAR-KORBA	D/C	189	0	3.8	0.0	3.8
ER-WR						57.4	0.0	57.4
Import/Export of ER (With SR)								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1166.8	0.0	15.6	-15.6
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	480.9	0.0	8.4	-8.4
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1974.8	0.0	33.4	-33.4
27	400 kV	TALCHER-I/C	D/C	699.1	0.9	0.0	7.6	-7.6
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0
ER-SR						0.0	57.4	-57.4
Import/Export of ER (With NER)								
29	400 kV	BINAGURI-BONGAIGAON	D/C	57	383	0.0	4.5	-5
30		ALIPURDUAR-BONGAIGAON	D/C	219	192	0.0	0.0	0
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	113	0.0	1.2	-1
ER-NER						0.0	5.7	-5.7
Import/Export of NER (With NR)								
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	500	0.0	11.2	-11.2
NER-NR						0.0	11.2	-11.2
Import/Export of WR (With NR)								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	2006	0.0	23.5	-23.5
34		V'CHAL B/B	D/C	241	0	5.7	0.0	5.7
35		APL -MHG	D/C	0	1535	0.0	19.8	-19.8
36		GWALIOR-AGRA	D/C	0	1371	0.0	45.9	-45.9
37	765 kV	PHAGI-GWALIOR	D/C	0	1329	0.0	23.0	-23.0
38		JABALPUR-ORAI	D/C	0	525	0.0	18.7	-18.7
39		GWALIOR-ORAI	S/C	606	0	8.5	0.0	8.5
40		SATNA-ORAI	S/C	0	1695	0.0	32.2	-32.2
41		ZERDA-KANKROLI	S/C	172	141	0.6	0.0	0.6
42	400 kV	ZERDA -BHINMAL	S/C	205	69	1.5	0.0	1.5
43		V'CHAL -RIHAND	S/C	966	0	17.1	0.0	17.1
44		RAPP-SHUJALPUR	D/C	137	252	0	1	-1
45	220 kV	BADOD-KOTA	S/C	28	50	0.0	1.1	-1.1
46		BADOD-MORAK	S/C	0	60	0.0	1.8	-1.8
47		MEHGAON-AURAIYA	S/C	15	40	0.0	0.4	-0.4
48	132kV	MALANPUR-AURAIYA	S/C	10	44	0.0	0.6	-0.6
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						33.4	167.8	-134.4
Import/Export of WR (With SR)								
50	HVDC	BHADRAWATI B/B	-	0	705	0.0	10.3	-10.3
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	765 kV	SOLAPUR-RAICHUR	D/C	730	909	0.8	0.0	0.8
53		WARDHA-NIZAMABAD	D/C	0	1883	0.0	29.1	-29.1
54	400 kV	KOLHAPUR-KUDGI	D/C	565	13	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						8.6	39.4	-30.8
TRANSNATIONAL EXCHANGE								
58		BHUTAN						32.8
59		NEPAL						-5.2
60		BANGLADESH						-13.8