



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: 30th Aug 2019

To,

- कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के., 14, गोल्फ क्लब रोड, कोलकाता - 700033
Executive Director, ERLDC, 14 Golf Club Road, Tollygunge, Kolkata, 700033
- कार्यकारी निदेशक, ऊ.क्षे.भा.प्रे.के., 18/ ए, शहीद जीत सिंह सनसनवाल मार्ग, नई दिल्ली - 110016
Executive Director, 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
- मुख्य महाप्रबंधक, ऊ. पू.क्षे.भा.प्रे.के., डोंगतेह, लोअर नोंग्रह, लापलंग, शिलोंग - 793006
Chief General Manager, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
- कार्यकारी निदेशक, द.क्षे.भा.प्रे.के., 29, रेस कोर्स क्रॉस रोड, बंगलुरु -560009
Executive Director, SRLDC, 29, Race Course Cross Road, Bangalore-560009

Sub: Daily PSP Report for the date 29.08.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 29-अगस्त-2019 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 29th August 2019, is available at the NLDC website.

धन्यवाद,

Report for previous day

Date of Reporting

30-Aug-19

A. Power Supply Position at All India and Regional level

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs)	60142	46942	41733	22371	2944	174132
Peak Shortage (MW)	1389	0	0	250	128	1767
Energy Met (MU)	1385	1077	1013	471	57	4004
Hydro Gen (MU)	371	113	107	141	19	751
Wind Gen (MU)	7	36	141	-----	-----	184
Solar Gen (MU)*	21.33	17.9	77.93	2.08	0.05	119
Energy Shortage (MU)	14.4	0.1	0.0	0.8	1.4	16.7
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	60989 22:23	48324 19:28	45311 07:25	23245 19:55	2963 19:34	177801 19:33

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	0.038	0.00	0.64	6.28	6.92	76.32	16.76

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	11787	0	266.5	137.3	-1.9	44	0.0
	Haryana	9778	0	214.8	161.0	-0.5	163	0.0
	Rajasthan	9849	0	217.3	65.0	-2.6	340	0.0
	Delhi	6363	0	132.7	109.8	0.1	256	0.1
	UP	20753	340	430.6	184.8	1.0	550	4.4
	Uttarakhand	1937	0	44.2	17.2	-0.2	80	0.0
	HP	1440	0	30.7	-1.4	-0.6	23	0.0
	J&K	2076	519	42.1	19.9	-0.9	161	10.0
WR	Chandigarh	293	0	6.0	6.7	-0.7	2	0.0
	Chhattisgarh	4134	49	96.3	38.1	1.9	392	0.1
	Gujarat	13823	0	305.7	59.9	6.7	706	0.0
	MP	8437	0	182.6	81.6	-0.6	391	0.0
	Maharashtra	20250	0	449.4	146.1	1.7	428	0.0
	Goa	541	0	11.3	10.5	0.3	65	0.0
	DD	337	0	7.7	6.9	0.7	52	0.0
	DNH	813	0	19.1	19.1	0.0	57	0.0
SR	Essar steel	294	0	5.2	5.4	-0.2	291	0.0
	Andhra Pradesh	9110	0	194.8	49.9	2.3	704	0.0
	Telangana	11638	0	241.7	121.8	1.2	785	0.0
	Karnataka	10026	0	191.8	39.7	1.3	505	0.0
	Kerala	3170	0	65.6	42.5	1.7	205	0.0
	Tamil Nadu	14168	0	310.8	114.5	0.2	475	0.0
	Pondy	405	0	8.6	8.5	0.1	61	0.0
	ER	Bihar	5753	0	117.8	112.7	1.0	200
DVC		3068	0	64.8	-31.6	-0.4	200	0.0
Jharkhand		1170	0	24.9	16.9	-1.1	50	0.0
Odisha		4502	250	89.2	21.5	6.8	650	0.8
West Bengal		8653	0	173.5	90.9	0.3	250	0.0
NER	Sikkim	91	0	1.0	1.4	-0.4	0	0.0
	Arunachal Pradesh	126	2	2.2	2.1	0.1	73	0.0
	Assam	1968	69	37.2	32.0	1.0	135	1.3
	Manipur	178	2	2.5	2.3	0.3	39	0.0
	Meghalaya	329	0	5.6	1.6	0.1	64	0.0
	Mizoram	94	1	1.8	0.3	0.3	11	0.0
	Nagaland	128	3	2.4	2.1	-0.1	47	0.0
	Tripura	289	4	5.4	4.4	0.4	69	0.1

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	38.1	-6.1	-26.1
Day peak (MW)	1755.8	-440.8	-1113.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	261.0	-281.5	41.3	-30.7	9.9	0.0
Actual(MU)	249.8	-276.7	47.4	-34.8	12.2	-2.2
O/D/U/D(MU)	-11.3	4.9	6.1	-4.1	2.2	-2.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3933	15887	8182	3070	766	31839
State Sector	4895	17757	9350	6570	50	38621
Total	8828	33644	17532	9640	816	70460

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	650	1090	485	385	11	2621
Lignite	19	8	45	0	0	73
Hydro	371	113	107	141	19	751
Nuclear	27	31	55	0	0	114
Gas, Naptha & Diesel	39	58	17	0	22	135
RES (Wind, Solar, Biomass & Others)	46	58	264	2	0	370
Total	1152	1359	974	528	51	4064

Share of RES in total generation (%)	3.97	4.27	27.14	0.40	0.10	9.11
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	38.52	14.89	43.83	27.09	36.34	30.38

H. Diversity Factor

All India Demand Diversity Factor	1.017
-----------------------------------	-------

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 : 30-Aug-19

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	360	174	1.1	0.0	1.1	
2		SASARAM-FATEHPUR	S/C	331	26	3.9	0.0	3.9	
3		GAYA-BALIA	S/C	0	323	0.0	5.6	-5.6	
4		ALIPURDUAR-AGRA	-	0	1300	0.0	25.9	-25.9	
5		PUSAULI B/B	S/C	0	198	0.0	5.0	-5.0	
6	400 kV	PUSAULI-VARANASI	S/C	0	210	0.0	4.2	-4.2	
7		PUSAULI -ALLAHABAD	S/C	1	211	0.0	0.4	-0.4	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	735	0.0	8.9	-8.9	
9		PATNA-BALIA	Q/C	0	609	0.0	11.8	-11.8	
10		BIHARSHARIFF-BALIA	D/C	0	260	0.0	4.0	-4.0	
11		MOTIHARI-GORAKHPUR	D/C	0	0	0.0	0.0	0.0	
12	220 kV	BIHARSHARIFF-VARANASI	D/C	291	14	3.8	0.0	3.8	
13		PUSAULI-SAHUPURI	S/C	0	207	0.0	4.0	-4.0	
14		132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15			GARWAH-RIHAND	S/C	30	0	0.6	0.0	0.6
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						9.3	69.9	-60.5	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	2151	0	34.4	0.0	34.4	
19		NEW RANCHI-DHARAMJAIGARH	D/C	1272	0	21.3	0.0	21.3	
20		JHARSUGUDA-DURG	D/C	474	0	7.2	0.0	7.2	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	458	0	6.0	0.0	6.0	
22		RANCHI-SIPAT	D/C	427	0	6.6	0.0	6.6	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	107	0.0	1.7	-1.7	
24		BUDHIPADAR-KORBA	D/C	181	0	3.2	0.0	3.2	
ER-WR						78.7	1.7	77.0	
Import/Export of ER (With SR)									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1633.0	0.0	25.9	-25.9	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	316.0	0.0	7.4	0.0	7.4	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1481.0	0.0	28.9	-28.9	
28	400 kV	TALCHER-I/C	D/C	47.0	917.0	0.0	13.1	-13.1	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
ER-SR						7.4	54.8	-47.5	
Import/Export of ER (With NER)									
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	840	0.0	13.5	-14	
31		ALIPURDUAR-BONGAIGAON	D/C	0	479	0.0	6.5	-7	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	159	0.0	2.8	-3	
ER-NER						0.0	22.8	-22.8	
Import/Export of NER (With NR)									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	1003	0.0	11.9	-11.9	
NER-NR						0.0	11.9	-11.9	
Import/Export of WR (With NR)									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	2503	0.0	51.1	-51.1	
35		V'CHAL B/B	D/C	362	0	9.7	0.0	9.7	
36		APL -MHG	D/C	0	1174	0.0	24.2	-24.2	
37	765 kV	GWALIOR-AGRA	D/C	0	2625	0.0	47.9	-47.9	
38		PHAGI-GWALIOR	D/C	0	920	0.0	15.7	-15.7	
39		JABALPUR-ORAI	D/C	0	876	0.0	31.7	-31.7	
40		GWALIOR-ORAI	S/C	345	0	6.5	0.0	6.5	
41		SATNA-ORAI	S/C	0	1359	0.0	28.1	-28.1	
42		CHITTORGARH-BANASKANTHA	D/C	0	1095	0.0	11.2	11.2	
43	400 kV	ZERDA-KANKROLI	S/C	23	177	0.0	1.8	-1.8	
44		ZERDA -BHINMAL	S/C	92	270	0.1	2.7	-2.5	
45		V'CHAL -RIHAND	S/C	968	0	22.4	0.0	22.4	
46		RAPP-SHUJALPUR	D/C	84	343	0	2	-2	
47	220 kV	BHANPURA-RANPUR	S/C	42	32	0.2	0.1	0.1	
48		BHANPURA-MORAK	S/C	1	84	0.0	0.9	-0.9	
49		MEHGAON-AURAIYA	S/C	65	8	0.5	0.0	0.5	
50		MALANPUR-AURAIYA	S/C	21	42	0.0	0.5	-0.4	
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						39.5	217.4	-155.5	
Import/Export of WR (With SR)									
52	HVDC	BHADRAWATI B/B	-	0	1009	0.0	13.5	-13.5	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	1372	884	9.0	2.5	6.5	
55		WARDHA-NIZAMABAD	D/C	1443	2249	0.0	29.4	-29.4	
56	400 kV	KOLHAPUR-KUDGI	D/C	1090	0	18.5	0.0	18.5	
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58		PONDA-AMBEWADI	S/C	0	64	0.0	1.2	-1.2	
59		XELDEM-AMBEWADI	S/C	0	37	0.7	0.0	0.7	
WR-SR						28.2	46.6	-18.4	
TRANSNATIONAL EXCHANGE									
60		BHUTAN						38.1	
61		NEPAL						-6.1	
62		BANGLADESH						-26.1	