



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: 04thSep 2019

To,

1. कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के., 14, गोल्फ क्लब रोड, कोलकाता - 700033
Executive Director, ERLDC, 14 Golf Club Road, Tollygunge, Kolkata, 700033
2. 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
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. मुख्य महाप्रबंधक, ऊ.पू.क्षे.भा.प्रे.के., डोंगतिह, लोअर नोंग्रह, लापलंग, शिलोंग - 793006
Chief General Manager, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
5. 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 03.09.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 03-सितंबर-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 3rdSep 2019, 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

4-Sep-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)	58288	44404	38122	22113	2887	165814
Peak Shortage (MW)	2292	0	0	0	176	2468
Energy Met (MU)	1357	1008	856	476	55	3751
Hydro Gen (MU)	360	103	103	134	16	717
Wind Gen (MU)	3	57	159	-----	-----	219
Solar Gen (MU)*	22.71	16.32	51.84	1.89	0.03	93
Energy Shortage (MU)	17.0	0.0	0.0	0.0	1.3	18.3
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	61686 22:50	45900 19:30	38055 19:28	22416 19:44	2965 18:46	167494 19:28

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	0.59	6.06	6.66	76.78	16.56

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	10967	0	242.9	138.0	-1.3	29	0.0
	Haryana	9845	0	215.7	165.6	0.2	248	0.0
	Rajasthan	9651	0	212.6	74.7	-2.6	222	0.0
	Delhi	6323	0	129.2	99.9	-0.2	348	0.0
	UP	21176	0	434.0	218.1	2.6	892	7.2
	Uttarakhand	1982	0	43.9	16.3	0.6	261	0.0
	HP	1412	0	30.7	-3.0	3.0	232	0.0
	J&K	2087	522	41.2	18.7	-0.6	145	9.8
WR	Chandigarh	331	0	6.5	7.1	-0.6	50	0.0
	Chhattisgarh	3727	0	89.7	30.9	0.1	305	0.0
	Gujarat	13228	0	297.9	85.1	5.1	563	0.0
	MP	8430	0	185.2	82.8	-3.3	382	0.0
	Maharashtra	18190	0	395.5	127.6	-0.4	533	0.0
	Goa	541	0	8.8	8.6	-0.3	43	0.0
	DD	325	0	6.4	6.2	0.2	32	0.0
	DNH	790	0	18.3	18.4	-0.1	40	0.0
SR	Essar steel	344	0	5.9	5.5	0.4	301	0.0
	Andhra Pradesh	7005	0	153.6	26.1	-0.1	699	0.0
	Telangana	8303	0	168.5	66.5	-0.2	752	0.0
	Karnataka	9540	0	174.9	15.1	-5.6	570	0.0
	Kerala	3345	0	65.9	46.5	1.4	191	0.0
	Tamil Nadu	13287	0	286.3	114.6	-0.4	534	0.0
	Pondy	387	0	7.1	7.8	-0.6	40	0.0
	Bihar	5972	0	117.0	114.1	-1.3	208	0.0
ER	DVC	2912	0	62.8	-31.3	-0.7	195	0.0
	Jharkhand	1286	0	25.4	17.2	-1.1	110	0.0
	Odisha	4439	0	91.1	22.7	6.9	620	0.0
	West Bengal	8331	0	178.4	78.4	2.3	590	0.0
	Sikkim	85	0	0.9	1.2	-0.4	20	0.0
	NER	Arunachal Pradesh	128	2	2.4	2.5	-0.2	28
Assam		1894	92	36.1	30.4	1.1	153	1.2
Manipur		170	2	2.5	2.4	0.1	16	0.0
Meghalaya		298	0	4.9	2.7	-0.1	162	0.0
Mizoram		96	1	1.7	0.6	0.1	70	0.0
Nagaland		129	3	2.4	2.4	-0.3	51	0.0
Tripura		280	18	5.0	4.9	0.2	133	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	41.9	-5.7	-25.9
Day peak (MW)	1885.4	-415.9	-1118.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	304.9	-268.4	10.7	-61.3	14.2	0.0
Actual(MU)	314.3	-257.4	-15.7	-51.9	15.2	4.5
O/D/U/D(MU)	9.4	11.0	-26.3	9.4	1.0	4.5

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4240	15440	8182	850	639	29351
State Sector	8385	21064	9370	6240	50	45109
Total	12625	36504	17552	7090	688	74459

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	573	1013	408	421	7	2422
Lignite	16	5	38	0	0	59
Hydro	360	103	103	134	16	717
Nuclear	27	31	55	0	0	113
Gas, Naptha & Diesel	39	47	17	0	22	125
RES (Wind, Solar, Biomass & Others)	42	78	254	2	0	375
Total	1057	1277	876	556	46	3812

Share of RES in total generation (%)	3.94	6.07	29.01	0.34	0.07	9.84
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	40.58	16.57	47.14	24.39	35.77	31.62

H. Diversity Factor

All India Demand Diversity Factor	1.021
-----------------------------------	-------

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 : 4-Sep-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	78	416	0.0	3.9	-3.9
2		SASARAM-FATEHPUR	S/C	230	45	2.2	0.0	2.2
3		GAYA-BALIA	S/C	0	462	0.0	8.9	-8.9
4	HVDC	ALIPURDUAR-AGRA	-	0	901	0.0	21.9	-21.9
5		PUSAULI B/B	S/C	0	198	0.0	4.7	-4.7
6	400 kV	PUSAULI-VARANASI	S/C	0	200	0.0	4.0	-4.0
7		PUSAULI -ALLAHABAD	S/C	0	55	0.0	0.6	-0.6
8		MUZAFFARPUR-GORAKHPUR	D/C	0	787	0.0	11.3	-11.3
9		PATNA-BALIA	Q/C	0	909	0.0	17.0	-17.0
10		BIHARSHARIFF-BALIA	D/C	0	399	0.0	8.0	-8.0
11		MOTIHARI-GORAKHPUR	D/C	0	0	0.0	0.0	0.0
12		BIHARSHARIFF-VARANASI	D/C	157	89	0.7	0.0	0.7
13	220 kV	PUSAULI-SAHUPURI	S/C	0	196	0.0	3.8	-3.8
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	30	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						3.2	84.1	-80.9
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	958	0	16.2	0.0	16.2
19		NEW RANCHI-DHARAMJAIGARH	D/C	1213	0	22.5	0.0	22.5
20		JHARSUGUDA-DURG	D/C	253	0	4.3	0.0	4.3
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	279	0	3.6	0.0	3.6
22		RANCHI-SIPAT	D/C	409	0	7.4	0.0	7.4
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	112	0.0	1.8	-1.8
24		BUDHIPADAR-KORBA	D/C	144	0	2.3	0.0	2.3
ER-WR						56.3	1.8	54.5
Import/Export of ER (With SR)								
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1528.0	0.0	21.9	-21.9
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	316.0	0.0	7.3	0.0	7.3
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	488.0	0.0	12.1	-12.1
28	400 kV	TALCHER-I/C	D/C	711.0	0.0	13.8	0.0	13.8
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						7.3	34.0	-26.7
Import/Export of ER (With NER)								
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	791	0.0	13.4	-13
31		ALIPURDUAR-BONGAIGAON	D/C	0	656	0.0	10.8	-11
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	182	0.0	3.2	-3
ER-NER						0.0	27.3	-27.3
Import/Export of NER (With NR)								
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	703	0.0	14.7	-14.7
NER-NR						0.0	14.7	-14.7
Import/Export of WR (With NR)								
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	3012	0.0	61.2	-61.2
35		V'CHAL B/B	D/C	0	489	0.0	6.3	-6.3
36		APL -MHG	D/C	0	1922	0.0	26.6	-26.6
37	765 kV	GWALIOR-AGRA	D/C	0	2720	0.0	52.7	-52.7
38		PHAGI-GWALIOR	D/C	0	1138	0.0	18.3	-18.3
39		JABALPUR-ORAI	D/C	0	938	0.0	35.0	-35.0
40		GWALIOR-ORAI	S/C	397	0	7.5	0.0	7.5
41		SATNA-ORAI	S/C	0	1415	0.0	30.3	-30.3
42		CHITTORGARH-BANASKANTHA	D/C	0	978	0.0	8.8	8.8
43		ZERDA-KANKROLI	S/C	21	155	0.0	1.3	-1.3
44	400 kV	ZERDA -BHINMAL	S/C	0	251	0.0	3.0	-3.0
45		V'CHAL -RIHAND	S/C	967	0	22.4	0.0	22.4
46	220 kV	RAPP-SHUJALPUR	D/C	0	379	0	3	-3
47		BHANPURA-RANPUR	S/C	24	38	0.1	0.3	-0.3
48		BHANPURA-MORAK	S/C	0	95	0.0	1.3	-1.3
49		MEHGAON-AURAIYA	S/C	54	25	0.2	0.1	0.1
50	132kV	MALANPUR-AURAIYA	S/C	14	57	0.0	0.8	-0.8
51		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						30.1	248.5	-200.9
Import/Export of WR (With SR)								
52	HVDC	BHADRAWATI B/B	-	290	0	7.2	0.0	7.2
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
54	765 kV	SOLAPUR-RAICHUR	D/C	1273	617	8.7	0.0	8.7
55		WARDHA-NIZAMABAD	D/C	0	1451	0.0	16.3	-16.3
56	400 kV	KOLHAPUR-KUDGI	D/C	1124	0	16.7	0.0	16.7
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
58		PONDA-AMBEWADI	S/C	0	48	0.0	0.9	-0.9
59		XELDEM-AMBEWADI	S/C	0	27	0.5	0.0	0.5
WR-SR						33.1	17.2	15.9
TRANSNATIONAL EXCHANGE								
60		BHUTAN						41.9
61		NEPAL						-5.7
62		BANGLADESH						-25.9