



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: 03rd Sep 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, लापालंग, 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 02.09.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 02-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 2nd Sep 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

3-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)	57109	42657	35835	22189	2800	160590
Peak Shortage (MW)	2798	0	0	0	228	3026
Energy Met (MU)	1308	973	840	475	54	3650
Hydro Gen (MU)	362	98	94	136	16	706
Wind Gen (MU)	3	51	133	-----	-----	187
Solar Gen (MU)*	21.08	17.08	59.39	2.10	0.03	100
Energy Shortage (MU)	14.3	0.0	0.0	0.0	1.6	15.8
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	61199 22:43	43640 19:26	37651 09:28	22819 20:03	2866 18:59	163084 19:43

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	0.031	0.00	0.08	4.24	4.32	70.34	25.35

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	10454	0	235.3	136.4	-1.5	34	0.0
	Haryana	9571	0	204.6	159.5	-0.4	108	0.0
	Rajasthan	9304	0	203.2	64.9	-0.5	1208	0.0
	Delhi	6153	0	122.8	98.0	0.0	201	0.0
	UP	21217	0	425.6	200.9	1.8	903	4.8
	Uttarakhand	1994	0	41.1	13.9	0.1	132	0.0
	HP	1428	0	29.5	-1.5	0.3	118	0.0
	J&K	1993	498	39.5	18.4	-1.9	97	9.4
WR	Chandigarh	322	0	6.2	6.8	-0.6	36	0.0
	Chhattisgarh	3841	0	90.0	31.5	-1.1	158	0.0
	Gujarat	12795	0	289.7	79.2	5.9	609	0.0
	MP	8415	0	186.4	86.9	-2.6	351	0.0
	Maharashtra	16614	0	369.2	115.2	-1.4	460	0.0
	Goa	541	0	8.8	8.5	-0.3	24	0.0
	DD	269	0	6.0	5.8	0.2	21	0.0
	DNH	741	0	17.4	17.5	-0.1	30	0.0
SR	Essar steel	5656	0	5.7	5.6	0.1	264	0.0
	Andhra Pradesh	7085	0	157.2	31.7	-0.8	417	0.0
	Telangana	7636	0	161.9	64.0	0.0	528	0.0
	Karnataka	9258	0	171.9	22.2	-1.4	568	0.0
	Kerala	3233	0	64.9	46.1	1.5	188	0.0
	Tamil Nadu	11974	0	276.8	112.9	-0.9	395	0.0
	Pondy	327	0	7.0	7.3	-0.4	21	0.0
	ER	Bihar	5790	0	121.4	116.3	-0.6	492
DVC		2967	0	62.3	-31.3	-0.4	315	0.0
Jharkhand		1259	0	24.2	16.3	-1.5	118	0.0
Odisha		4425	0	94.8	24.2	8.3	80	0.0
West Bengal		8453	0	171.8	75.3	2.5	512	0.0
Sikkim		86	0	0.9	1.2	-0.3	10	0.0
NER	Arunachal Pradesh	126	2	2.5	2.2	0.3	14	0.0
	Assam	1822	105	35.5	30.8	0.4	155	1.5
	Manipur	156	3	2.4	2.4	0.0	27	0.0
	Meghalaya	302	0	5.0	2.1	0.0	46	0.0
	Mizoram	98	1	1.7	0.2	1.2	72	0.0
	Nagaland	133	1	2.0	2.3	-0.5	40	0.0
	Tripura	291	5	4.7	4.4	0.6	87	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	41.7	-5.5	-25.9
Day peak (MW)	1764.4	-387.1	-1083.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	278.2	-259.6	17.9	-55.4	19.0	0.0
Actual(MU)	280.7	-272.7	3.9	-33.4	22.0	0.5
O/D/U/D(MU)	2.5	-13.1	-13.9	22.0	3.0	0.5

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4163	15700	8182	1200	504	29749
State Sector	7065	20963	8110	6130	85	42353
Total	11228	36662	16292	7330	589	72101

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	566	996	405	404	8	2378
Lignite	16	4	35	0	0	55
Hydro	362	98	94	136	16	706
Nuclear	27	31	56	0	0	114
Gas, Naptha & Diesel	37	46	16	0	15	113
RES (Wind, Solar, Biomass & Others)	40	72	232	2	0	346
Total	1047	1246	839	542	38	3712

Share of RES in total generation (%)	3.81	5.76	27.71	0.39	0.08	9.32
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	40.97	16.12	45.59	25.42	41.41	31.40

H. Diversity Factor

All India Demand Diversity Factor	1.031
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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 : 3-Sep-19	
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	95	298	0.0	2.9	-2.9	
2		SASARAM-FATEHPUR	S/C	355	0	3.8	0.0	3.8	
3		GAYA-BALIA	S/C	0	470	0.0	6.9	-6.9	
4	HVDC	ALIPURDUAR-AGRA	-	0	901	0.0	21.9	-21.9	
5		PUSAULI B/B	S/C	0	198	0.0	4.9	-4.9	
6	400 kV	PUSAULI-VARANASI	S/C	0	212	0.0	4.4	-4.4	
7		PUSAULI -ALLAHABAD	S/C	2	50	0.0	0.4	-0.4	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	678	0.0	8.7	-8.7	
9		PATNA-BALIA	Q/C	0	799	0.0	9.4	-9.4	
10		BIHARSHARIFF-BALIA	D/C	0	355	0.0	4.6	-4.6	
11		MOTIHARI-GORAKHPUR	D/C	0	0	0.0	0.0	0.0	
12		BIHARSHARIFF-VARANASI	D/C	193	84	1.5	0.0	1.5	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	206	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	0.4	0.0	0.4	
16		KARMANASA-SAHUPURI	S/C	0	137	0.0	0.0	0.0	
17		KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0	
ER-NR						5.8	68.0	-62.3	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1343	0	24.0	0.0	24.0	
19		NEW RANCHI-DHARAMJAIGARH	D/C	1347	0	24.3	0.0	24.3	
20		JHARSUGUDA-DURG	D/C	322	0	5.5	0.0	5.5	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	325	0	4.5	0.0	4.5	
22		RANCHI-SIPAT	D/C	433	0	8.4	0.0	8.4	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	85	0.0	1.3	-1.3	
24		BUDHIPADAR-KORBA	D/C	156	0	2.7	0.0	2.7	
ER-WR						69.3	1.3	68.1	
Import/Export of ER (With SR)									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1632.0	0.0	18.6	-18.6	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	313.0	0.0	7.3	0.0	7.3	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1187.0	0.0	27.1	-27.1	
28	400 kV	TALCHER-I/C	D/C	622.0	172.0	0.7	0.0	0.7	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
ER-SR						7.3	45.7	-38.4	
Import/Export of ER (With NER)									
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	796	0.0	13.1	-13	
31		ALIPURDUAR-BONGAIGAON	D/C	0	706	0.0	12.5	-13	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	176	0.0	4.5	-4	
ER-NER						0.0	30.1	-30.1	
Import/Export of NER (With NR)									
33	HVDC	BISWANATH CHARIALI-AGRA	-	502	503	0.0	9.5	-9.5	
NER-NR						0.0	9.5	-9.5	
Import/Export of WR (With NR)									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	3004	0.0	49.3	-49.3	
35		V'CHAL B/B	D/C	363	490	6.7	1.5	5.2	
36		APL -MHG	D/C	0	982	0.0	19.5	-19.5	
37	765 kV	GWALIOR-AGRA	D/C	0	2956	0.0	56.9	-56.9	
38		PHAGI-GWALIOR	D/C	0	1247	0.0	19.2	-19.2	
39		JABALPUR-ORAI	D/C	0	1053	0.0	38.9	-38.9	
40		GWALIOR-ORAI	S/C	394	0	7.5	0.0	7.5	
41		SATNA-ORAI	S/C	0	1463	0.0	30.5	-30.5	
42		CHITTORGARH-BANASKANTHA	D/C	0	1116	0.0	17.6	17.6	
43		ZERDA-KANKROLI	S/C	0	189	0.0	2.3	-2.3	
44	400 kV	ZERDA -BHINMAL	S/C	0	282	0.0	4.2	-4.2	
45		V'CHAL -RIHAND	S/C	962	0	22.6	0.0	22.6	
46	220 kV	RAPP-SHUJALPUR	D/C	0	451	0	3	-3	
47		BHANPURA-RANPUR	S/C	14	42	0.0	0.4	-0.3	
48		BHANPURA-MORAK	S/C	0	95	0.0	1.2	-1.2	
49		MEHGAON-AURAIYA	S/C	47	28	0.1	0.1	0.0	
50		MALANPUR-AURAIYA	S/C	10	57	0.0	0.8	-0.8	
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						36.9	245.2	-173.1	
Import/Export of WR (With SR)									
52	HVDC	BHADRAWATI B/B	-	287	410	1.4	6.6	-5.2	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	1537	870	10.4	0.0	10.4	
55		WARDHA-NIZAMABAD	D/C	339	1547	0.0	13.8	-13.8	
56	400 kV	KOLHAPUR-KUDGI	D/C	872	0	13.7	0.0	13.7	
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58		PONDA-AMBEWADI	S/C	0	46	0.0	0.9	-0.9	
59		XELDEM-AMBEWADI	S/C	0	26	0.5	0.0	0.5	
WR-SR						26.0	21.2	4.8	
TRANSNATIONAL EXCHANGE									
60		BHUTAN						41.7	
61		NEPAL						-5.5	
62		BANGLADESH						-25.9	