



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: 4th Sept 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. 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. 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. 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 03.09.2018.

महोदय/Dear Sir,

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

4-Sep-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs: from RLDCs)	48490	41140	42601	21175	2665	156071
Peak Shortage (MW)	501	0	275	150	129	1055
Energy Met (MU)	1072	956	957	433	51	3469
Hydro Gen (MU)	357	46	182	112	25	722
Wind Gen (MU)	25	97	109	-----	-----	230
Solar Gen (MU)*	16.48	13.90	58.41	1.13	0.02	90
Energy Shortage (MU)	9.5	0.0	1.1	0.5	1.5	12.5
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	49113 19:51	42521 07:38	42325 19:00	21498 19:29	2786 18:42	157142 19:38

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	0.027	0.00	0.34	5.54	5.88	89.20	4.92

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	9185	0	209.4	130.3	0.1	99	0.0
	Haryana	6531	0	140.7	125.8	-0.3	298	0.0
	Rajasthan	9790	0	207.9	63.8	2.0	526	0.0
	Delhi	4059	6	87.3	71.4	-1.5	29	0.0
	UP	15873	0	319.9	168.7	-0.9	162	0.0
	Uttarakhand	1671	0	35.8	14.5	-0.1	174	0.0
	HP	1349	0	26.8	-1.1	0.3	172	0.0
	J&K	2005	501	39.9	20.1	-4.6	155	9.5
WR	Chhattisgarh	207	0	4.4	5.3	-0.9	8	0.0
	Chhattisgarh	3619	0	81.1	14.3	-1.9	463	0.0
	Gujarat	11220	0	253.6	58.0	3.9	110	0.0
	MP	7368	0	159.3	60.8	-1.7	420	0.0
	Maharashtra	18962	0	414.9	120.5	-0.4	343	0.0
	Goa	403	0	9.8	9.0	0.1	124	0.0
	DD	324	0	7.3	6.5	0.8	157	0.0
	DNH	783	0	17.6	16.5	1.1	303	0.0
SR	Essar steel	528	0	11.0	10.7	0.3	342	0.0
	Andhra Pradesh	8706	0	186.8	32.4	3.2	675	0.0
	Telangana	9879	0	212.6	83.5	1.5	479	0.0
	Karnataka	9123	0	184.4	48.0	-0.2	642	0.0
	Kerala	3339	250	66.1	31.5	0.9	256	1.0
	Tamil Nadu	14417	0	300.2	101.3	3.3	552	0.0
	Pondy	335	25	7.0	6.9	0.0	54	0.1
	ER	Bihar	4529	0	83.8	87.1	-3.3	250
DVC		2875	0	67.1	-22.0	2.4	200	0.5
Jharkhand		1159	0	22.9	18.0	-0.5	10	0.0
Odisha		5063	0	100.0	37.3	1.2	200	0.0
West Bengal		8537	0	157.6	61.3	4.2	450	0.0
Sikkim		88	0	1.1	1.3	-0.2	10	0.0
NER	Arunachal Pradesh	125	2	2.2	2.6	-0.4	30	0.0
	Assam	1753	79	32.5	26.9	0.8	92	1.4
	Manipur	173	1	2.4	2.7	-0.3	40	0.0
	Meghalaya	289	0	5.1	0.2	-0.3	38	0.0
	Mizoram	73	0	1.5	1.1	0.1	19	0.0
	Nagaland	120	1	2.3	2.1	-0.2	24	0.0
	Tripura	273	2	5.0	4.0	0.6	47	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	33.3	-5.2	-15.1
Day peak (MW)	1629.6	-388.0	-669.5

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	222.0	-247.9	54.2	-31.7	7.3	4.0
Actual(MU)	210.5	-254.7	65.3	-27.5	5.8	-0.6
O/D/U/D(MU)	-11.6	-6.8	11.1	4.2	-1.5	-4.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5046	16079	9882	1645	560	33213
State Sector	11420	18384	10313	6865	50	47032
Total	16466	34463	20195	8510	610	80244

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	438	1016	471	372	7	2304
Hydro	357	46	182	112	25	722
Nuclear	28	27	19	0	0	74
Gas, Naptha & Diesel	14	29	23	0	17	82
RES (Wind, Solar, Biomass & Others)	54	111	208	1	0	374
Total	891	1228	902	485	49	3555

Share of RES in total generation (%)	6.07	9.00	23.10	0.23	0.08	10.53
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	49.25	14.95	45.35	23.36	51.74	32.91

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 : 4-Sep-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	117	156	0.0	1.2	-1.2	
2		SASARAM-FATEHPUR	S/C	314	0	5.0	0.0	5.0	
3		GAYA-BALIA	S/C	0	234	0.0	4.4	-4.4	
4		ALIPURDUAR-AGRA	-	0	1453	0.0	33.9	-33.9	
5	400 kV	PUSAULI B/B	S/C	0	148	0.0	3.5	-3.5	
6		PUSAULI-VARANASI	S/C	0	163	0.0	0.0	0.0	
7		PUSAULI -ALLAHABAD	S/C	9	50	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	121	312	0.0	1.6	-1.6	
9		PATNA-BALIA	Q/C	0	643	0.0	12.5	-12.5	
10		BIHARSHARIFF-BALIA	D/C	28	158	0.0	0.5	-0.5	
11		MOTIHARI-GORAKHPUR	D/C	119	0	4.1	0.0	4.1	
12		BIHARSHARIFF-VARANASI	D/C	262	0	3.0	0.0	3.0	
13		220 kV	PUSAULI-SAHUPURI	S/C	1	136	0.0	3.0	-3.0
14			SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15	132 kV		GARWAH-RIHAND	S/C	35	0	0.5	0.0	0.5
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						12.6	60.6	-48.0	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1269	1	25.9	0.0	25.9	
19		NEW RANCHI-DHARAMJAIGARH	D/C	1150	0	19.0	0.0	19.0	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	1238	0	24.3	0.0	24.3	
21		RANCHI-SIPAT	D/C	477	0	9.4	0.0	9.4	
22		220 kV	BUDHIPADAR-RAIGARH	S/C	0	1	2.9	0.0	2.9
23	BUDHIPADAR-KORBA		D/C	291	0	2.7	0.0	2.7	
ER-WR						84.1	0.0	84.1	
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1204.8	0.0	17.9	-17.9	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	461.8	0.0	11.0	-11.0	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1485.0	0.0	29.8	-29.8	
27	400 kV	TALCHER-1/C	D/C	1350.6	0.8	0.0	23.7	-23.7	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	58.7	-58.7	
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	822	0.0	16.2	-16	
30		ALIPURDUAR-BONGAIGAON	D/C	103	348	0.0	1.2	-1	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	164	0.0	3.5	-3	
ER-NER						0.0	21.0	-21.0	
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	701	0.0	16.8	-16.8	
NER-NR						0.0	16.8	-16.8	
Import/Export of WR (With NR)									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1502	0.0	24.3	-24.3	
34		V'CHAL B/B	D/C	241	0	6.0	0.0	6.0	
35		APL -MHG	D/C	0	1453	0.0	20.4	-20.4	
36		765 kV	GWALIOR-AGRA	D/C	0	1146	0.0	42.8	-42.8
37	PHAGI-GWALIOR		D/C	0	1355	0.0	24.6	-24.6	
38	JABALPUR-ORAI		D/C	0	550	0.0	16.9	-16.9	
39	GWALIOR-ORAI		S/C	308	0	5.6	0.0	5.6	
40	SATNA-ORAI		S/C	0	1900	0.0	41.3	-41.3	
41	400 kV		ZERDA-KANKROLI	S/C	177	102	1.5	0.0	1.5
42			ZERDA -BHINMAL	S/C	67	189	0.0	1.2	-1.2
43			V'CHAL -RIHAND	S/C	961	0	17.1	0.0	17.1
44			RAPP-SHUJALPUR	D/C	0	396	0	2	-2
45			220 kV	BADOD-KOTA	S/C	19	13	0.1	0.3
46	BADOD-MORAK	S/C		3	51	0.0	0.6	-0.6	
47	MEHGAON-AURAIYA	S/C		0	42	0.0	0.5	-0.5	
48	MALANPUR-AURAIYA	S/C		0	57	0.0	1.0	-1.0	
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						30.4	175.7	-145.3	
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	508	0.0	9.1	-9.1	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	560	233	0.0	1.5	-1.5	
53		WARDHA-NIZAMABAD	D/C	0	1800	0.0	24.5	-24.5	
54	400 kV	KOLHAPUR-KUDGI	D/C	902	0	9.2	0.0	9.2	
55		KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
56	220 kV	PONDA-AMBEWADI	S/C	1	0	0.0	0.0	0.0	
57		XELDEM-AMBEWADI	S/C	0	100	1.9	0.0	1.9	
WR-SR						11.1	35.1	-24.1	
TRANSNATIONAL EXCHANGE									
58		BHUTAN						33.3	
59		NEPAL						-5.2	
60		BANGLADESH						-15.1	