



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: 29th September 2017

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., डोंगतेह, 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 28.09.2017.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 28-सितंबर-2017 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 28th September 2017, is available at the NLDC website.

धन्यवाद,



**पाँवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड
राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली**

Report for previous day

Date of Reporting

28-Sep-17

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs)	49149	46516	37283	20250	2649	155846
Peak Shortage (MW)	1358	224	20	0	103	1705
Energy Met (MU)	1076	1070	825	414	52	3437
Hydro Gen(MU)	255	31	82	102	23	493
Wind Gen(MU)	11	20	72	-----	-----	103
Solar Gen (MU)*	1.17	15.27	25.00	0.54	0.02	42
Energy Shortage (MU)	14.7	6.6	0.0	0.0	0.8	22.1
Maximum Demand Met during the day (MW) (from NLDC SCADA)	49468	47749	37029	20424	2821	156068

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	0.032	0.00	0.00	6.84	6.84	85.63	7.53

C. Power Supply Position in States

Region/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	7845	0	167.9	86.0	0.5	325	0.0
	Haryana	6832	560	142.9	102.5	2.8	255	0.3
	Rajasthan	9161	291	204.2	76.3	4.5	363	4.1
	Delhi	4690	0	92.0	82.5	0.0	315	0.1
	UP	16122	230	355.0	152.0	1.4	519	0.0
	Uttarakhand	1892	0	39.0	10.1	-1.0	127	0.0
	HP	1377	0	27.1	5.6	0.6	106	0.0
	J&K	2070	518	43.0	24.9	4.7	483	10.2
	Chandigarh	248	0	4.9	4.9	0.0	49	0.0
	Chhattisgarh	3925	30	92.6	31.8	0.1	232	0.2
WR	Gujarat	15360	0	344.5	66.8	0.8	315	0.0
	MP	8248	0	178.3	102.5	4.8	582	0.0
	Maharashtra	18400	656	414.3	123.0	3.3	494	6.4
	Goa	399	0	8.9	8.3	0.2	99	0.0
	DD	336	0	7.6	6.5	1.0	62	0.0
	DNH	765	0	17.4	17.1	0.4	55	0.0
	Essar steel	348	0	6.7	6.3	0.5	188	0.0
	Andhra Pradesh	6879	0	151.2	52.8	3.2	570	0.0
	Telangana	8380	0	179.7	76.7	-1.6	468	0.0
	Karnataka	6989	0	142.2	50.6	1.8	429	0.0
SR	Kerala	3438	0	67.1	38.4	1.4	206	0.0
	Tamil Nadu	13110	0	278.2	110.4	-0.4	518	0.0
	Pondy	331	0	6.7	7.2	-0.5	26	0.0
	Bihar	4644	0	91.3	84.0	0.1	150	0.0
	DVC	3182	0	66.8	-21.0	0.2	100	0.0
ER	Jharkhand	1109	0	23.0	15.9	0.8	150	0.0
	Odisha	4486	0	85.6	35.5	-1.1	250	0.0
	West Bengal	8375	0	145.9	39.4	-0.9	250	0.0
	Sikkim	95	0	1.0	1.1	0.0	10	0.0
	Assam	126	2	2.4	2.3	0.1	3	0.0
NER	Assam	1696	53	33.1	24.5	3.2	164	0.6
	Manipur	150	3	2.4	2.1	0.2	38	0.0
	Meghalaya	257	0	5.6	-1.4	0.8	69	0.0
	Mizoram	79	1	1.2	1.2	0.0	12	0.1
	Nagaland	113	1	1.9	1.8	0.0	25	0.1
	Tripura	271	0	4.9	4.5	-0.6	85	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	28.7	-5.1	-14.4
Day peak (MW)	1217.8	-283.9	-631.2

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	191.5	-184.0	47.7	-55.2	0.7	0.8
Actual(MU)	189.8	-182.4	39.9	-51.1	2.9	-0.9
O/D/U/D(MU)	-1.7	1.6	-7.8	4.0	2.2	-1.7

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	2548	16584	5100	1720	106	26058
State Sector	11700	15106	10802	6145	50	43803
Total	14248	31690	15902	7865	156	69861

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	Total
Thermal (Coal & Lignite)	562	1158	520	379	5	2623
Hydro	255	32	82	102	23	494
Nuclear	32	3	37	0	0	73
Gas, Naptha & Diesel	39	63	17	0	25	144
RES (Wind, Solar, Biomass & Others)	20	35	133	1	0	189
Total	908	1291	789	482	52	3522

*Source: RLDCs for solar connected to ISTS; SLDCs for embedded solar. Limited visibility of embedded solar data.

सचिव(ऊर्जा)/संयुक्त सचिव(परिचालन)/(ओ एम)/निदेशक(ओ एम)/मुख्य अभियंता.के०वि०प्रा०(ग्रिडिंग)/मुख्य कार्यपालक अधिकारी(पोसोको),सभी राज्यों के मुख्य सचिव/ऊर्जा सचिव

महाप्रबंधक (रा० भा० प्रे० के०)

INTER-REGIONAL EXCHANGES								
								Date of Reporting : 28-Sep-17
								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	233	0.0	5.1	-5.1
2		SASARAM-FATEHPUR	S/C	0	0	4.3	0.0	4.3
3		GAYA-BALIA	S/C	0	339	0.0	6.3	-6.3
4	HVDC	ALIPURDUAR-AGRA	-	0	339	0.0	10.8	-10.8
5		PUSAULI B/B	S/C	0	247	0.0	6.1	-6.1
6	400 KV	PUSAULI-VARANASI	S/C	0	219	0.0	0.0	0.0
7		PUSAULI-ALLAHABAD	S/C	0	77	0.0	0.0	0.0
8		MUZAFFARPUR-GORAKHPUR	D/C	0	629	0.0	10.5	-10.5
9		PATNA-BALIA	Q/C	0	894	0.0	16.7	-16.7
10		BIHARSHARIFF-BALIA	D/C	0	210	0.0	3.3	-3.3
11		MOTIHARI-GORAKHPUR	D/C	0	5	3.9	0.0	3.9
12	BIHARSHARIFF-VARANASI	D/C	0	42	1.2	0.0	1.2	
13	220 KV	PUSAULI-SAHUPURI	S/C	0	243	0.0	5.5	-5.5
14	132 KV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	0	0	0.7	0.0	0.7
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						10.0	64.4	-54.3
Import/Export of ER (With WR)								
18	765 KV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	0	22	5.6	0.0	5.6
19		NEW RANCHI-DHARAMJAIGARH	D/C	0	0	11.5	0.0	11.5
20	400 KV	ROURKELA - RAIGARH (SEL LILO BYPASS)	S/C	0	0	0.0	2.7	-2.7
21		JHARSUGUDA-RAIGARH	S/C	0	0	1.9	0.0	1.9
22		IBEUL-RAIGARH	S/C	0	0	2.0	0.0	2.0
23		STERLITE-RAIGARH	D/C	0	0	5.5	0.0	5.5
24		RANCHI-SIPAT	D/C	0	0	6.9	0.0	6.9
25	220 KV	BUDHIPADAR-RAIGARH	S/C	0	83	0.0	0.8	-0.8
26		BUDHIPADAR-KORBA	D/C	0	0	3.3	0.0	3.3
ER-WR						36.6	3.5	33.1
Import/Export of ER (With SR)								
27	765 KV	ANGUL-SRIKAKULAM	D/C	0.0	0.0	0.0	12.2	-12.2
28	HVDC LINK	JEYPORE-GAZUWAKA B/B	D/C	0.0	214.8	0.0	9.8	-9.8
29		TALCHER-KOLAR BIPOLE	D/C	0.0	1248.2	0.0	23.0	-23.0
30	400 KV	TALCHER-I/C	D/C	0.0	1235.4	0.0	18.5	-18.5
31	220 KV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0
ER-SR						0.0	44.9	-44.9
Import/Export of ER (With NER)								
32	400 KV	BINAGURI-BONGAIGAON	D/C	0	1680	0.0	8.9	-9
33		ALIPURDUAR-BONGAIGAON	D/C	0	1373	0.0	5.0	-5
34	220 KV	ALIPURDUAR-SALAKATI	D/C	0	0	0.0	2.4	-2
ER-NER						0.0	16.2	-16.2
Import/Export of NER (With NR)								
35	HVDC	BISWANATH CHARIALI-AGRA	-	0	701	0.0	15.4	-15.4
NER-NR						0.0	15.4	-15.4
Import/Export of WR (With NR)								
36	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1100	0.0	20.1	-20.1
37		VCHAL B/B	D/C	500	0	11.1	0.0	11.1
38		APL -MHG	D/C	0	1512	0.0	33.9	-33.9
39	765 KV	GWALIOR-AGRA	D/C	0	2506	0.0	49.7	-49.7
40		PHAGI-GWALIOR	D/C	0	1482	0.0	27.8	-27.8
41	400 KV	ZERDA-KANKROLI	S/C	163	0	1.2	0.0	1.2
42		ZERDA -BHINMAL	S/C	125	97	0.4	0.0	0.4
43		VCHAL -RIHAND	S/C	0	0	0.0	0.0	0.0
44		RAPP-SHUJALPUR	D/C	0	361	0	2	-2
45	220 KV	BADOD-KOTA	S/C	39	34	0.1	0.2	0.0
46		BADOD-MORAK	S/C	13	86	0.0	0.8	-0.8
47		MEHGAON-AURAIYA	S/C	93	0	1.3	0.0	1.3
48		MALANPUR-AURAIYA	S/C	56	0	0.6	0.0	0.6
49	132KV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						14.8	135.0	-120.2
Import/Export of WR (With SR)								
50	HVDC LINK	BHADRAWATI B/B	-	0	800	0.0	9.8	-9.8
51		BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	765 KV	SOLAPUR-RAICHUR	D/C	422	716	422.0	4.1	417.9
53		WARDHA-NIZAMABAD	D/C	0	1591	0.0	25.1	-25.1
54	400 KV	KOLHAPUR-KUDGI	D/C	688	0	10.4	0.0	10.4
55		KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
56	220 KV	PONDA-AMBEWADI	S/C	0	0	0.0	0.0	0.0
57		XELDEM-AMBEWADI	S/C	73	0	2.0	0.0	2.0
WR-SR						434.4	39.1	395.3
TRANSNATIONAL EXCHANGE								
58		BHUTAN						28.7
59		NEPAL						-5.1
60		BANGLADESH						-14.4

INTER-REGIONAL EXCHANGES									
								Date of Reporting :	29-Sep-17
								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	213	0.0	7.9	-7.9	
2		SASARAM-FATEHPUR	S/C	0	0	3.3	0.0	3.3	
3		GAYA-BALIA	S/C	0	312	0.0	5.2	-5.2	
4	HVDC	ALIPURDUAR-AGRA	-	0	246	0.0	9.7	-9.7	
5		PUSAULI B/B	S/C	0	247	0.0	5.9	-5.9	
6	400 KV	PUSAULI-VARANASI	S/C	0	211	0.0	0.0	0.0	
7		PUSAULI -ALLAHABAD	S/C	0	90	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	633	0.0	12.1	-12.1	
9		PATNA-BALIA	Q/C	0	900	0.0	15.5	-15.5	
10		BIHARSHARIFF-BALIA	D/C	0	242	0.0	4.0	-4.0	
11		MOTIHARI-GORAKHPUR	D/C	0	0	4.0	0.0	4.0	
12	BIHARSHARIFF-VARANASI	D/C	0	0	0.3	0.0	0.3		
13	220 KV	PUSAULI-SAHUPURI	S/C	0	243	0.0	5.3	-5.3	
14	132 KV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
15		GARWAH-RIHAND	S/C	0	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	8.1	65.5	-57.3
Import/Export of ER (With WR)									
18	765 KV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	0	33	5.6	0.0	5.6	
19		NEW RANCHI-DHARAMJAIGARH	D/C	0	89	7.5	0.0	7.5	
20	400 KV	ROURKELA - RAIGARH (SEL LILO BYPASS)	S/C	0	24	0.0	1.6	-1.6	
21		JHARSUGUDA-RAIGARH	S/C	0	18	1.4	0.0	1.4	
22		IBEUL-RAIGARH	S/C	0	0	1.3	0.0	1.3	
23		STERLITE-RAIGARH	D/C	0	0	6.2	0.0	6.2	
24		RANCHI-SIPAT	D/C	0	18	7.2	0.0	7.2	
25	220 KV	BUDHIPADAR-RAIGARH	S/C	0	107	0.6	0.0	0.6	
26		BUDHIPADAR-KORBA	D/C	0	0	1.4	1.2	0.3	
						ER-WR	31.3	2.8	28.5
Import/Export of ER (With SR)									
27	765 KV	ANGUL-SRIKAKULAM	D/C	0.0	0.0	0.0	14.2	-14.2	
28	HVDC LINK	JEYPORE-GAZUWAKA B/B	D/C	0.0	210.7	0.0	8.9	-8.9	
29		TALCHER-KOLAR BIPOLE	D/C	0.0	831.8	0.0	19.0	-19.0	
30	400 KV	TALCHER-I/C	D/C	0.0	846.2	0.0	13.9	-13.9	
31	220 KV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0	
						ER-SR	0.0	42.1	-42.1
Import/Export of ER (With NER)									
32	400 KV	BINAGURI-BONGAIGAON	D/C	0	1084	0.0	6.6	-7	
33		ALIPURDUAR-BONGAIGAON	D/C	0	894	0.0	3.1	-3	
34	220 KV	ALIPURDUAR-SALAKATI	D/C	0	0	0.0	2.1	-2	
						ER-NER	0.0	11.8	-11.8
Import/Export of NER (With NR)									
35	HVDC	BISWANATH CHARIALI-AGRA	-	0	700	0.0	16.1	-16.1	
						NER-NR	0.0	16.1	-16.1
Import/Export of WR (With NR)									
36	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1500	0.0	27.3	-27.3	
37		VCHAL B/B	D/C	500	0	12.2	0.0	12.2	
38		APL -MHG	D/C	0	1513	0.0	36.3	-36.3	
39	765 KV	GWALIOR-AGRA	D/C	0	2424	0.0	44.6	-44.6	
40		PHAGI-GWALIOR	D/C	0	1382	0.0	26.4	-26.4	
41	400 KV	ZERDA-KANKROLI	S/C	139	11	1.9	0.0	1.9	
42		ZERDA -BHINMAL	S/C	159	89	0.8	0.0	0.8	
43		VCHAL -RIHAND	S/C	0	0	0.0	0.0	0.0	
44		RAPP-SHUJALPUR	D/C	0	290	0	3	-3	
45	220 KV	BADOD-KOTA	S/C	39	34	0.2	0.3	0.0	
46		BADOD-MORAK	S/C	13	86	0.1	0.6	-0.5	
47		MEHGAON-AURAIYA	S/C	93	0	1.3	0.0	1.3	
48		MALANPUR-AURAIYA	S/C	56	0	0.6	0.0	0.6	
49	132KV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						WR-NR	17.2	137.9	-120.7
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	200	0.0	4.8	-4.8	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 KV	SOLAPUR-RAICHUR	D/C	283	634	283.0	3.3	279.7	
53		WARDHA-NIZAMABAD	D/C	0	1352	0.0	22.4	-22.4	
54	400 KV	KOLHAPUR-KUDGI	D/C	514	0	9.4	0.0	9.4	
55		KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
56	220 KV	PONDA-AMBEWADI	S/C	0	0	0.0	0.0	0.0	
57		XELDEM-AMBEWADI	S/C	73	0	2.0	0.0	2.0	
						WR-SR	294.4	30.5	264.0
TRANSNATIONAL EXCHANGE									
58		BHUTAN						28.5	
59		NEPAL						-4.6	
60		BANGLADESH						-14.4	