



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: 29th Apr 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. महाप्रबंधक, ऊ.क्षे.भा.प्रे.के., 18/ ए, शहीद जीत सिंह सनसनवाल मार्ग, नई दिल्ली - 110016
General Manager, 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. 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 28.04.2018.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 28-अप्रैल-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 28th Apr 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 29-Apr-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs: from RLDCs)	46475	46920	42180	18776	2339	156690
Peak Shortage (MW)	917	34	10	0	203	1164
Energy Met (MU)	1070	1167	1006	398	41	3682
Hydro Gen(MU)	163	38	69	39	8	318
Wind Gen(MU)	19	66	27	-----	-----	111
Solar Gen (MU)*	15.71	20.06	58.57	0.76	0.03	95
Energy Shortage (MU)	10.1	0.0	0.1	0.0	1.3	11.5
Maximum Demand Met during the day (MW) (from NLDC SCADA)	48563	50973	44590	19053	2349	158306

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	0.071	0.00	1.66	22.15	23.81	71.62	4.57

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	6373	0	142.5	63.0	-0.5	84	0.0
	Haryana	7100	13	144.1	68.1	3.9	377	0.3
	Rajasthan	9691	0	209.6	72.2	3.0	367	0.0
	Delhi	4862	0	105.5	78.5	-0.3	151	0.0
	UP	16697	0	357.7	111.3	2.9	521	0.0
	Uttarakhand	1831	0	39.0	21.8	-0.6	63	0.0
	HP	1349	0	25.6	12.6	0.8	228	0.0
	J&K	1943	486	41.5	27.7	1.8	397	9.8
WR	Chandigarh	228	0	4.6	4.9	-0.2	13	0.0
	Chhattisgarh	3744	0	87.0	18.3	-0.1	221	0.0
	Gujarat	15650	0	351.4	180.5	4.3	423	0.0
	MP	8360	0	188.5	81.2	-2.6	282	0.0
	Maharashtra	22762	0	502.7	142.2	10.2	273	0.0
	Goa	500	0	10.8	10.6	-0.5	49	0.0
	DD	327	0	7.4	6.9	0.5	58	0.0
	DNH	765	0	17.7	17.0	0.7	63	0.0
SR	Essar steel	121	0	1.9	1.2	0.7	-53	0.0
	Andhra Pradesh	8836	0	184.4	57.7	0.6	435	0.0
	Telangana	7509	0	161.3	66.7	-1.7	230	0.0
	Karnataka	9958	0	223.1	76.3	-0.6	297	0.0
	Kerala	3739	0	78.1	50.7	1.6	214	0.0
	Tamil Nadu	15398	0	350.3	179.2	2.1	491	0.0
ER	Pondy	384	0	8.4	8.4	0.0	53	0.1
	Bihar	4281	0	80.3	77.4	-1.0	350	0.0
	DVC	3099	0	70.1	-57.5	0.7	250	0.0
	Jharkhand	1039	0	22.2	16.7	-0.6	100	0.0
	Odisha	3739	0	76.7	28.6	-1.3	200	0.0
	West Bengal	7558	0	147.3	32.4	0.7	380	0.0
NER	Sikkim	96	0	1.5	1.4	0.1	20	0.0
	Arunachal Pradesh	108	3	2.1	1.8	0.3	26	0.0
	Assam	1401	134	24.1	19.5	1.5	106	1.3
	Manipur	174	2	2.0	2.3	-0.3	27	0.0
	Meghalaya	286	5	5.0	2.9	-0.2	36	0.0
	Mizoram	85	4	1.6	1.3	-0.1	1	0.0
NER	Nagaland	118	3	2.1	2.0	0.0	27	0.0
	Tripura	235	8	4.3	3.4	0.7	74	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	3.2	-9.9	-15.1
Day peak (MW)	162.0	-507.4	-667.2

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	166.3	-154.6	78.8	-92.0	1.8	0.3
Actual(MU)	168.6	-158.9	79.5	-91.7	2.1	-0.4
O/D/U/D(MU)	2.3	-4.2	0.7	0.3	0.3	-0.7

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5292	15048	6952	850	156	28298
State Sector	7460	16552	4540	4195	50	32797
Total	12752	31600	11492	5045	206	61094

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	Total
Thermal (Coal & Lignite)	627	1135	693	475	11	2941
Hydro	163	38	70	39	8	319
Nuclear	18	31	35	0	0	84
Gas, Naptha & Diesel	46	54	21	0	24	146
RES (Wind, Solar, Biomass & Others)	63	86	124	1	0	275
Total	918	1344	944	516	43	3765

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

सचिव(ऊर्जा)/संयुक्त सचिव(पारेषण)/(ओ एम)/निदेशक(ओ एम)/मुख्य अभियंता-के०वि०प्रा०(ग्रि०प्रा०)/
मुख्य कार्यपालक अधिकारी(पोसोको)/सभी राज्यों के मुख्य सचिव/ऊर्जा सचिव

महाप्रबंधक (रा० भा० प्रे० के०)

INTER-REGIONAL EXCHANGES								Date of Reporting : 29-Apr-18
SI No	Voltage Level	Line Details	Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
								Import=(+ve) /Export =(-ve) for NET (MU)
Import/Export of ER (With NR)								
1	765kV	GAYA-VARANASI	D/C	0	219	0.0	6.7	-6.7
2		SASARAM-FATEHPUR	S/C	205	82	0.6	0.0	0.6
3		GAYA-BALIA	S/C	0	394	0.0	7.0	-7.0
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
5		PUSAULI B/B	S/C	4	147	0.0	1.7	-1.7
6	400 kV	PUSAULI-VARANASI	S/C	80	132	0.0	0.0	0.0
7		PUSAULI -ALLAHABAD	S/C	83	65	0.0	0.0	0.0
8		MUZAFFARPUR-GORAKHPUR	D/C	3	363	0.0	4.1	-4.1
9		PATNA-BALIA	Q/C	0	761	0.0	12.1	-12.1
10		BIHARSHARIFF-BALIA	D/C	0	283	0.0	4.3	-4.3
11		MOTIHARI-GORAKHPUR	D/C	0	253	0.0	4.6	-4.6
12		BIHARSHARIFF-VARANASI	D/C	96	450	0.0	0.6	-0.6
13		220 kV	PUSAULI-SAHUPURI	S/C	0	197	0.0	3.9
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	10	0	0.4	0.0	0.4
16		KARMANASA-SAHUPURI	S/C	3	0	0.0	0.0	0.0
17		KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0
ER-NR						1.0	44.8	-43.8
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	43	368	0.0	6.0	-6.0
19		NEW RANCHI-DHARAMJAIGARH	D/C	90	534	0.0	5.1	-5.1
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	419	67	4.5	0.0	4.5
21		RANCHI-SIPAT	D/C	420	0	7.5	0.0	7.5
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	110	0.0	1.6	-1.6
23		BUDHIPADAR-KORBA	D/C	227	0	3.8	0.0	3.8
ER-WR						15.8	12.7	3.1
Import/Export of ER (With SR)								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1357.8	0.0	22.9	-22.9
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	284.3	0.0	9.3	-9.3
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1889.2	0.0	45.3	-45.3
27	400 kV	TALCHER-I/C	D/C	0.0	1006.8	0.0	18.9	-18.9
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0
ER-SR						0.0	77.5	-77.5
Import/Export of ER (With NER)								
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	1035	0.0	7.9	-8
30		ALIPURDUAR-BONGAIGAON	D/C	0	841	0.0	7.4	-7
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	170	0.0	2.8	-3
ER-NER						0.0	18.1	-18.1
Import/Export of NER (With NR)								
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	700	0.0	15.9	-15.9
NER-NR						0.0	15.9	-15.9
Import/Export of WR (With NR)								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1133	0.0	48.3	-48.3
34		V'CHAL B/B	D/C	250	0	6.0	0.0	6.0
35		APL -MHG	D/C	0	307	0.0	7.4	-7.4
36	765 kV	GWALIOR-AGRA	D/C	0	1468	0.0	27.8	-27.8
37		PHAGI-GWALIOR	D/C	0	1674	0.0	33.3	-33.3
38		JABALPUR-ORAI	D/C	0	576	0.0	6.9	-6.9
39		GWALIOR-ORAI	S/C	#VALUE!	0	7.3	0.0	7.3
40		SATNA-ORAI	S/C	0	1760	0.0	41.3	-41.3
41	400 kV	ZERDA-KANKROLI	S/C	453	0	9.4	0.0	9.4
42		ZERDA -BHINMAL	S/C	447	0	7.9	0.0	7.9
43		V'CHAL -RIHAND	S/C	950	0	22.4	0.0	22.4
44		RAPP-SHUALPUR	D/C	0	265	0	1	-1
45	220 kV	BADOD-KOTA	S/C	63	7	0.5	0.0	0.5
46		BADOD-MORAK	S/C	22	37	0.0	0.4	-0.3
47		MEHGAON-AURAIYA	S/C	171	0	3.3	0.0	3.3
48		MALANPUR-AURAIYA	S/C	0	0	0.0	0.0	0.0
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						56.8	166.7	-109.9
Import/Export of WR (With SR)								
50	HVDC	BHADRAWATI B/B	-	0	1000	0.0	22.8	-22.8
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	765 kV	SOLAPUR-RAICHUR	D/C	470	1587	0.0	7.4	-7.4
53		WARDHA-NIZAMABAD	D/C	0	2196	0.0	24.4	-24.4
54	400 kV	KOLHAPUR-KUDGI	D/C	480	0	6.2	0.0	6.2
55	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
56		PONDA-AMBEWADI	S/C	0	0	0.0	0.0	0.0
57		XELDEM-AMBEWADI	S/C	100	0	2.2	0.0	2.2
WR-SR						8.4	54.7	-46.3
TRANSNATIONAL EXCHANGE								
58		BHUTAN						3.2
59		NEPAL						-9.9
60		BANGLADESH						-15.1