



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: 25th 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 24.04.2018.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 24-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 24th 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

25-Apr-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs)	45253	48189	40992	20591	2358	157383
Peak Shortage (MW)	1399	107	0	350	212	2068
Energy Met (MU)	980	1174	988	435	40	3617
Hydro Gen(MU)	130	38	55	50	9	282
Wind Gen(MU)	8	49	42	-----	-----	99
Solar Gen (MU)*	18.21	22.53	57.45	0.93	0.02	99
Energy Shortage (MU)	14.7	0.0	0.0	1.1	1.6	17.4
Maximum Demand Met during the day (MW) (from NLDC SCADA)	46750	51202	43685	20731	2433	158776

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	0.035	0.00	0.25	9.17	9.42	86.15	4.43

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	5990	0	124.8	44.3	-0.3	130	0.0
	Haryana	6453	245	127.1	59.5	3.6	356	3.8
	Rajasthan	9084	0	197.6	61.4	2.4	355	0.1
	Delhi	4373	0	89.6	74.4	-2.4	66	0.0
	UP	15859	510	332.5	106.8	4.7	600	0.8
	Uttarakhand	1937	0	38.4	22.4	0.8	186	0.0
	HP	1311	0	23.9	14.5	-0.4	152	0.0
	J&K	2055	514	42.3	30.6	-0.7	174	10.0
	Chandigarh	211	0	4.2	4.3	0.0	32	0.0
WR	Chhattisgarh	3802	0	89.5	18.9	-1.6	132	0.0
	Gujarat	15435	0	346.1	170.9	2.7	405	0.0
	MP	8712	0	188.1	97.2	0.5	278	0.0
	Maharashtra	23458	0	510.2	140.9	0.1	399	0.0
	Goa	524	0	12.2	11.3	0.2	48	0.0
	DD	332	0	7.4	6.4	1.0	106	0.0
	DNH	755	0	17.7	17.1	0.6	52	0.0
	Essar steel	142	0	2.3	2.3	0.0	196	0.0
	SR	Andhra Pradesh	8442	0	175.6	57.5	-1.9	581
Telangana		7684	0	168.4	61.1	-2.5	327	0.0
Karnataka		9839	0	212.3	70.5	-1.8	350	0.0
Kerala		3652	0	77.0	55.6	1.3	243	0.0
Tamil Nadu		15183	0	346.6	174.3	1.7	535	0.0
Pondy		367	0	7.7	8.3	-0.6	115	0.0
ER	Bihar	4701	0	86.6	83.6	1.4	442	0.0
	DVC	2995	0	75.0	-64.7	3.3	435	0.8
	Jharkhand	1185	0	25.3	18.2	1.0	205	0.2
	Odisha	4071	0	81.8	26.4	-1.0	412	0.0
	West Bengal	8286	0	165.3	57.1	1.1	465	0.0
	Sikkim	89	0	1.2	1.4	-0.2	20	0.0
NER	Arunachal Pradesh	124	2	2.3	2.0	0.3	45	0.0
	Assam	1375	150	23.7	19.6	0.9	75	1.4
	Manipur	161	3	2.4	2.4	0.0	33	0.0
	Meghalaya	308	0	4.5	2.7	-0.3	44	0.0
	Mizoram	81	4	1.4	1.3	-0.1	32	0.1
	Nagaland	139	3	2.0	1.9	0.0	25	0.1
	Tripura	253	8	4.0	3.2	1.1	53	0.1

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	4.5	-11.5	-15.2
Day peak (MW)	291.7	-501.5	-665.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	160.7	-190.3	86.9	-57.8	0.8	0.3
Actual(MU)	161.2	-194.3	80.3	-52.4	1.7	-3.5
O/D/U/D(MU)	0.5	-4.0	-6.6	5.4	0.9	-3.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	6438	13143	6522	1450	155	27707
State Sector	8580	16819	3690	5095	50	34234
Total	15018	29962	10212	6545	204	61941

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	Total
Thermal (Coal & Lignite)	591	1185	660	459	11	2907
Hydro	130	38	56	50	9	283
Nuclear	23	31	46	0	0	100
Gas, Naptha & Diesel	33	59	22	0	23	137
RES (Wind, Solar, Biomass & Others)	56	71	140	2	0	268
Total	833	1385	923	511	43	3696

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

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

INTER-REGIONAL EXCHANGES

Date of Reporting : 25-Apr-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	0	414	0.0	4.3	-4.3
2		SASARAM-FATEHPUR	S/C	127	113	0.4	0.0	0.4
3		GAYA-BALIA	S/C	0	574	0.0	10.5	-10.5
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
5		PUSAULI B/B	S/C	4	0	0.0	0.0	0.0
6	400 kV	PUSAULI-VARANASI	S/C	95	0	1.1	0.0	1.1
7		PUSAULI -ALLAHABAD	S/C	128	30	1.5	0.0	1.5
8		MUZAFFARPUR-GORAKHPUR	D/C	118	390	0.0	2.8	-2.8
9		PATNA-BALIA	Q/C	0	874	0.0	12.7	-12.7
10		BIHARSHARIFF-BALIA	D/C	0	317	0.0	4.2	-4.2
11		MOTIHARI-GORAKHPUR	D/C	0	228	0.0	4.0	-4.0
12		BIHARSHARIFF-VARANASI	D/C	96	450	0.0	0.9	-0.9
13	220 kV	PUSAULI-SAHUPURI	S/C	0	198	0.0	3.7	-3.7
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	36	0	0.5	0.0	0.5
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						3.5	43.0	-39.5
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	562	0	8.8	0.0	8.8
19		NEW RANCHI-DHARAMJAIGARH	D/C	682	42	9.3	0.0	9.3
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	549	0	8.9	0.0	8.9
21		RANCHI-SIPAT	D/C	345	0	5.9	0.0	5.9
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	123	0.0	1.4	-1.4
23		BUDHIPADAR-KORBA	D/C	265	0	4.6	0.0	4.6
ER-WR						37.4	1.4	36.0
Import/Export of ER (With SR)								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1347.8	0.0	18.5	-18.5
25	HVDC LINK	JEYPORE-GAZUWAKA B/B	D/C	0.0	322.5	0.0	14.9	-14.9
26		TALCHER-KOLAR BIPOLE	D/C	0.0	1893.8	0.0	42.3	-42.3
27	400 kV	TALCHER-I/C	D/C	0.0	1076.3	0.0	18.1	-18.1
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0
ER-SR						0.0	75.6	-75.6
Import/Export of ER (With NER)								
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	1093	0.0	7.9	-8
30		ALIPURDUAR-BONGAIGAON	D/C	0	882	0.0	7.5	-7
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	174	0.0	2.6	-3
ER-NER						0.0	18.0	-18.0
Import/Export of NER (With NR)								
32	HVDC	BISWANATH CHARIALI-AGRA	-	626	700	0.0	16.5	-16.5
NER-NR						0.0	16.5	-16.5
Import/Export of WR (With NR)								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	898	0.0	30.5	-30.5
34		V'CHAL B/B	D/C	150	0	2.9	0.0	2.9
35		APL -MHG	D/C	0	307	0.0	3.7	-3.7
36	765 kV	GWALIOR-AGRA	D/C	0	1782	0.0	35.7	-35.7
37		PHAGI-GWALIOR	D/C	0	1864	0.0	39.4	-39.4
38		JABALPUR-ORAI	D/C	0	732	0.0	15.0	-15.0
39		GWALIOR-ORAI	S/C	501	0	10.8	0.0	10.8
40		SATNA-ORAI	S/C	0	1754	0.0	39.8	-39.8
41	400 kV	ZERDA-KANKROLI	S/C	374	0	6.8	0.0	6.8
42		ZERDA -BHINMAL	S/C	414	0	5.3	0.0	5.3
43		V'CHAL -RIHAND	S/C	0	484	22.8	0.0	22.8
44		RAPP-SHUJALPUR	D/C	0	293	0	2	-2
45	220 kV	BADOD-KOTA	S/C	101	0	1.4	0.0	1.4
46		BADOD-MORAK	S/C	51	27	0.4	0.1	0.3
47		MEHGAON-AURAIYA	S/C	176	0	3.1	0.0	3.1
48		MALANPUR-AURAIYA	S/C	0	39	0.0	0.0	0.0
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						53.5	166.2	-112.7
Import/Export of WR (With SR)								
50	HVDC LINK	BHADRAWATI B/B	-	0	1000	0.0	21.0	-21.0
51		BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	765 kV	SOLAPUR-RAICHUR	D/C	220	1062	0.0	9.1	-9.1
53		WARDHA-NIZAMABAD	D/C	0	1690	0.0	23.6	-23.6
54	400 kV	KOLHAPUR-KUDGI	D/C	498	151	4.1	0.3	3.7
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	100	0	2.2	0.0	2.2
WR-SR						6.3	54.0	-47.8
TRANSNATIONAL EXCHANGE								
58		BHUTAN						4.5
59		NEPAL						-11.5
60		BANGLADESH						-15.2