



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: 31th May 2018

To,

1. महाप्रबंधक, पू.क्षे.भा.प्रे.के.,14 , गोलफ क्लब रोड , कोलकाता - 700033
General Manager, 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. महाप्रबंधक, प.क्षे.भा.प्रे.के., एफ3-, एम आई डी सी क्षेत्र , अंधेरी, मुंबई -400093
General Manager, WRLDC, F-3, M.I.D.C. Area, Marol, Andheri (East), Mumbai-400093
4. महाप्रबंधक, ऊ.पू.क्षे.भा.प्रे.के., डोंगतिह, लोअर नोंग्रह , लापलंग, शिलोंग - 793006
General Manager, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
5. अपर महाप्रबंधक , द.क्षे.भा.प्रे.के.,29 , रेस कोर्स क्रॉस रोड, बंगलुरु -560009
Additional General Manager, SRLDC, 29, Race Course Cross Road, Bangalore-560009

Sub: Daily PSP Report for the date 30.05.2018.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 30-मई 2018 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रांभांप्रेके 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 29th May 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

31-May-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs)	51848	48645	41213	21124	2544	165374
Peak Shortage (MW)	816	162	0	0	118	1095
Energy Met (MU)	1214	1207	926	452	45	3844
Hydro Gen (MU)	215	18	45	80	21	379
Wind Gen (MU)	21	100	135	-----	-----	255
Solar Gen (MU)*	16.31	19.97	54.47	0.75	0.03	92
Energy Shortage (MU)	11.9	0.5	0.0	0.0	1.3	13.6
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	54845 22:37	54658 15:14	42359 14:58	21962 20:26	2527 19:57	170895 15:14

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	0.091	0.00	3.68	23.96	27.64	63.54	8.82

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	8726	0	189.6	72.8	-0.7	48	0.0	
	Haryana	8153	330	174.2	94.7	2.0	442	1.4	
	Rajasthan	10877	0	230.2	75.4	3.7	511	2.2	
	Delhi	6343	10	128.5	97.7	-0.7	248	0.1	
	UP	18846	370	382.2	172.3	-0.7	240	0.0	
	Uttarakhand	2047	0	42.0	19.6	1.0	292	0.0	
	HP	1394	6	28.2	11.1	1.5	167	0.1	
	J&K	1837	459	32.5	22.2	-8.6	0	8.2	
	Chandigarh	336	0	6.5	6.1	0.4	69	0.0	
	WR	Chhattisgarh	3606	0	84.9	20.8	1.0	269	0.5
Gujarat		16427	0	360.3	125.8	7.4	559	0.0	
MP		8757	0	200.0	105.6	0.0	339	0.0	
Maharashtra		23755	0	517.3	156.0	0.0	352	0.0	
Goa		482	0	10.9	10.2	0.1	25	0.0	
DD		340	0	7.6	7.1	0.6	86	0.0	
DNH		777	0	18.3	17.6	0.7	59	0.0	
Essar steel		402	0	7.5	8.0	-0.5	123	0.0	
SR		Andhra Pradesh	9185	0	188.2	66.2	-0.9	441	0.0
		Telangana	7752	0	162.7	72.0	-0.6	345	0.0
	Karnataka	8075	0	172.7	45.4	-4.1	426	0.0	
	Kerala	3469	0	67.0	43.9	0.7	259	0.0	
	Tamil Nadu	15089	0	328.1	110.8	-1.5	513	0.0	
	Pondy	359	0	7.9	8.3	-0.5	67	0.0	
ER	Bihar	4848	0	86.8	86.5	-2.5	250	0.0	
	DVC	3155	0	73.2	-47.2	-0.5	500	0.0	
	Jharkhand	1073	0	18.4	14.5	-1.3	200	0.0	
	Odisha	4739	0	95.4	41.1	-1.3	350	0.0	
	West Bengal	8676	0	177.3	50.7	3.3	400	0.0	
Sikkim	83	0	0.9	1.4	-0.5	5	0.0		
NER	Arunachal Pradesh	123	2	2.3	2.3	-0.1	52	0.0	
	Assam	1608	78	27.2	21.6	1.8	204	1.1	
	Manipur	165	4	2.1	2.0	0.1	29	0.0	
	Meghalaya	296	4	5.8	-0.2	0.7	43	0.0	
	Mizoram	83	2	1.7	1.1	0.3	19	0.0	
	Nagaland	107	7	1.9	2.0	-0.2	21	0.1	
	Tripura	262	14	4.1	4.2	0.0	37	0.1	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	11.8	-10.6	-15.6
Day peak (MW)	508.6	-491.0	-681.2

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	242.2	-207.4	37.2	-69.3	-6.4	-3.8
Actual(MU)	240.5	-199.1	25.9	-71.1	-5.6	-9.4
O/D/U/D(MU)	-1.7	8.3	-11.3	-1.7	0.8	-5.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4318	12732	6872	2010	136	26068
State Sector	5765	15675	5993	5325	50	32808
Total	10083	28407	12865	7335	185	58875

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	655	1209	589	465	11	2928
Hydro	215	18	46	80	21	381
Nuclear	31	30	45	0	0	105
Gas, Naptha & Diesel	39	57	18	0	23	137
RES (Wind, Solar, Biomass & Others)	56	120	224	1	0	401
Total	996	1433	922	546	55	3952

Share of RES in total generation (%)	5.64	8.38	24.28	0.23	0.09	10.16
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	30.32	11.73	34.16	14.87	38.76	22.46

H. Diversity Factor

All India Demand Diversity Factor	1.032
-----------------------------------	-------

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.

सचिव (ऊर्जा)/संयुक्त सचिव (पारेषण)/(ओ एम)/निदेशक (ओ एम)/मुख्य अभियंता-के०वि०प्रा०(ग्रिडिंग)/अध्यक्ष एवं प्रबंध निदेशक (पोसीको)/सभी राज्यों के मुख्य सचिव/ऊर्जा सचिव

महाप्रबंधक (रा० भा० प्रे० के०)

INTER-REGIONAL EXCHANGES

Date of Reporting : 31-May-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	348	0.0	5.9	-5.9	
2		SASARAM-FATEHPUR	S/C	198	180	0.0	1.3	-1.3	
3		GAYA-BALIA	S/C	0	567	0.0	12.7	-12.7	
4	HVDC	ALIPURDUAR-AGRA	-	0	285	0.0	12.3	-12.3	
5		PUSAULI B/B	S/C	107	0	2.5	0.0	2.5	
6	400 kV	PUSAULI-VARANASI	S/C	89	0	0.0	0.0	0.0	
7		PUSAULI -ALLAHABAD	S/C	88	0	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	40	540	0.0	10.2	-10.2	
9		PATNA-BALIA	Q/C	0	899	0.0	19.4	-19.4	
10		BIHARSHARIFF-BALIA	D/C	0	473	0.0	10.5	-10.5	
11		MOTIHARI-GORAKHPUR	D/C	6	181	0.0	2.7	-2.7	
12	220 kV	BIHARSHARIFF-VARANASI	D/C	378	74	0.0	2.4	-2.4	
13		PUSAULI-SAHUPURI	S/C	0	205	0.0	4.2	-4.2	
14		SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
15		132 kV	GARWAH-RIHAND	S/C	35	0	0.4	0.0	0.4
16			KARMANASA-SAHUPURI	S/C	1	1	0.0	0.0	0.0
17		KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0	
ER-NR						2.9	81.7	-78.8	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	797	117	9.5	0.0	9.5	
19		NEW RANCHI-DHARAMJAIGARH	D/C	506	97	6.3	0.0	6.3	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	1003	0	16.2	0.0	16.2	
21		RANCHI-SIPAT	D/C	373	0	3.7	0.0	3.7	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	211	21	1.9	0.0	1.9	
23		BUDHIPADAR-KORBA	D/C	83	0	2.8	0.0	2.8	
ER-WR						40.4	0.0	40.4	
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1555.8	0.0	24.9	-24.9	
25	HVDC LINK	JEYPORE-GAZUWAKA B/B	D/C	0.0	373.2	0.0	8.6	-8.6	
26		TALCHER-KOLAR BIPOLE	D/C	0.0	1970.9	0.0	34.6	-34.6	
27	400 kV	TALCHER-I/C	D/C	646.0	0.8	1.4	7.7	-6.3	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	68.1	-68.1	
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	387	0.0	5.1	-5	
30		ALIPURDUAR-BONGAIGAON	D/C	172	115	1.3	0.0	1	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	148	0.0	1.6	-2	
ER-NER						1.3	6.7	-5.4	
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	500	0.0	12.1	-12.1	
NER-NR						0.0	12.1	-12.1	
Import/Export of WR (With NR)									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1359	0.0	54.4	-54.4	
34		V'CHAL B/B	D/C	100	250	4.8	0.0	4.8	
35		APL -MHG	D/C	0	1312	0.0	33.5	-33.5	
36	765 kV	GWALIOR-AGRA	D/C	0	1413	0.0	25.3	-25.3	
37		PHAGI-GWALIOR	D/C	0	801	0.0	28.6	-28.6	
38		JABALPUR-ORAI	D/C	0	1341	0.0	22.6	-22.6	
39		GWALIOR-ORAI	S/C	274	0	4.1	0.0	4.1	
40		SATNA-ORAI	S/C	0	1912	0.0	41.6	-41.6	
41	400 kV	ZERDA-KANKROLI	S/C	362	0	5.5	0.0	5.5	
42		ZERDA -BHINMAL	S/C	338	27	3.6	0.0	3.6	
43		V'CHAL -RIHAND	S/C	970	0	22.5	0.0	22.5	
44		RAPP-SHUJALPUR	D/C	0	315	0	2	-2	
45	220 kV	BADOD-KOTA	S/C	76	66	0.4	0.3	0.1	
46		BADOD-MORAK	S/C	17	95	0.0	0.9	-0.9	
47		MEHGAON-AURAIYA	S/C	19	12	0.1	0.1	0.0	
48	132kV	MALANPUR-AURAIYA	S/C	0	39	0.0	0.6	-0.6	
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						41.0	210.3	-169.3	
Import/Export of WR (With SR)									
50	HVDC LINK	BHADRAWATI B/B	-	300	300	1.7	4.3	-2.6	
51		BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	1208	906	11.9	0.0	11.9	
53		WARDHA-NIZAMABAD	D/C	0	2194	0.0	23.9	-23.9	
54	400 kV	KOLHAPUR-KUDGI	D/C	1244	0	24.1	0.0	24.1	
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	73	0	1.5	0.0	1.5	
WR-SR						39.2	28.2	11.0	
TRANSNATIONAL EXCHANGE									
58		BHUTAN						11.8	
59		NEPAL						-10.6	
60		BANGLADESH						-15.6	