



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: 30th May 2018

To,

1. महाप्रबंधक, पू.क्षे.भा.प्रे.के.,14 , गोल्फ 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 29.05.2018.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 29-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

30-May-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs)	51455	49195	40714	20904	2470	164739
Peak Shortage (MW)	426	36	0	0	172	634
Energy Met (MU)	1258	1208	909	426	43	3843
Hydro Gen (MU)	197	18	40	76	23	354
Wind Gen (MU)	27	130	131	-----	-----	288
Solar Gen (MU)*	20.04	19.70	58.37	0.71	0.03	99
Energy Shortage (MU)	10.9	0.0	0.0	0.0	2.2	13.1
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	56277 00:26	53873 15:38	42008 15:30	21234 20:56	2478 18:58	170315 15:27

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	0.029	0.00	0.44	4.35	4.79	87.26	7.95

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	8395	0	189.2	69.1	-0.5	144	0.0
	Haryana	8112	63	180.9	97.1	2.3	852	1.7
	Rajasthan	11120	0	242.6	72.8	4.3	854	0.0
	Delhi	6254	0	128.4	96.0	0.6	321	0.1
	UP	18419	0	403.5	184.1	0.0	248	0.0
	Uttarakhand	1945	150	42.1	19.8	1.9	461	0.0
	HP	1376	0	27.2	10.0	2.2	474	0.3
	J&K	1751	309	37.9	23.6	-4.6	145	8.7
Chandigarh	350	0	6.5	5.9	0.6	65	0.0	
WR	Chhattisgarh	3640	0	87.6	22.3	0.7	153	0.0
	Gujarat	16548	0	364.2	117.4	5.8	481	0.0
	MP	9058	0	201.6	108.6	0.2	279	0.0
	Maharashtra	23264	0	511.6	151.7	-1.1	427	0.0
	Goa	485	0	10.8	10.5	-0.3	26	0.0
	DD	322	0	5.8	4.9	0.9	117	0.0
	DNH	773	0	18.1	17.5	0.6	80	0.0
	Essar steel	397	0	8.0	7.9	0.1	126	0.0
SR	Andhra Pradesh	9249	0	188.6	67.5	0.2	496	0.0
	Telangana	7565	0	163.6	67.4	-1.4	192	0.0
	Karnataka	7635	0	170.2	47.8	-3.0	591	0.0
	Kerala	3267	0	63.1	41.7	0.5	180	0.0
	Tamil Nadu	14984	0	315.3	106.3	-2.4	589	0.0
	Pondy	394	0	8.4	8.6	-0.3	45	0.0
ER	Bihar	4624	0	79.4	76.3	0.7	110	0.0
	DVC	3188	0	70.7	-43.2	2.0	400	0.0
	Jharkhand	1104	0	18.4	12.5	0.7	100	0.0
	Odisha	4418	0	92.1	39.6	0.6	280	0.0
	West Bengal	8265	0	164.7	48.6	0.8	230	0.0
	Sikkim	77	0	0.4	1.2	-0.8	10	0.0
NER	Arunachal Pradesh	116	7	2.2	2.9	-0.7	25	0.0
	Assam	1504	123	25.3	20.2	0.2	116	1.8
	Manipur	158	5	2.2	2.4	-0.2	32	0.0
	Meghalaya	299	0	5.2	0.2	0.1	25	0.0
	Mizoram	87	3	1.8	1.3	0.1	20	0.0
	Nagaland	121	6	2.1	2.2	-0.2	43	0.0
	Tripura	247	4	3.9	4.1	0.2	32	0.3

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	11.6	-7.4	-15.2
Day peak (MW)	537.6	-411.2	-680.4

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	243.1	-227.8	53.1	-65.5	-7.5	-4.6
Actual(MU)	261.5	-232.7	35.1	-60.6	-10.2	-7.0
O/D/U/D(MU)	18.4	-4.9	-18.0	4.8	-2.7	-2.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4318	11832	6872	1760	136	24918
State Sector	5690	15481	5140	4695	50	31056
Total	10008	27313	12012	6455	185	55973

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	679	1211	541	435	9	2874
Hydro	197	18	42	76	23	355
Nuclear	30	29	37	0	0	96
Gas, Naptha & Diesel	40	59	19	0	23	141
RES (Wind, Solar, Biomass & Others)	67	150	222	1	0	440
Total	1013	1466	860	511	56	3906

Share of RES in total generation (%)	6.62	10.22	25.81	0.26	0.07	11.27
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	29.04	13.39	34.92	15.03	41.79	22.81

H. Diversity Factor

All India Demand Diversity Factor	1.033
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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.

सचिव(ऊर्जा)/संयुक्त सचिव(परिष्कारण)/(ओ एम)/निदेशक(ओ एम)/मुख्य अभियंता-के०वि०प्रा०(सि०प्र०)/

अध्यक्ष एवं प्रबंध निदेशक(पोसोको)/सभी राज्यों के मुख्य सचिव/ऊर्जा सचिव

महाप्रबंधक (रा० भा० प्रे० के०)

INTER-REGIONAL EXCHANGES								Date of Reporting :	30-May-18
Sl 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	360	0.0	5.9	-5.9	
2		SASARAM-FATEHPUR	S/C	188	216	0.0	1.3	-1.3	
3		GAYA-BALIA	S/C	0	656	0.0	12.7	-12.7	
4	HVDC	ALIPURDUAR-AGRA	-	0	285	0.0	11.4	-11.4	
5		PUSAULI B/B	S/C	108	0	2.5	0.0	2.5	
6	400 kV	PUSAULI-VARANASI	S/C	82	14	0.0	0.0	0.0	
7		PUSAULI -ALLAHABAD	S/C	104	0	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	26	673	0.0	10.2	-10.2	
9		PATNA-BALIA	Q/C	0	1072	0.0	19.9	-19.9	
10		BIHARSHARIFF-BALIA	D/C	14	526	0.0	10.5	-10.5	
11		MOTIHARI-GORAKHPUR	D/C	5	255	0.0	3.1	-3.1	
12	BIHARSHARIFF-VARANASI	D/C	466	117	0.0	2.4	-2.4		
13	220 kV	PUSAULI-SAHUPURI	S/C	0	202	0.0	4.2	-4.2	
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
15		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	903	0	12.2	0.0	12.2	
19		NEW RANCHI-DHARAMJAIGARH	D/C	720	198	8.3	0.0	8.3	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	1155	0	19.2	0.0	19.2	
21		RANCHI-SIPAT	D/C	324	26	3.7	0.0	3.7	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	160	9	1.4	0.0	1.4	
23		BUDHIPADAR-KORBA	D/C	85	1	2.4	0.0	2.4	
ER-WR						47.3	0.0	47.3	
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1509.8	0.0	22.2	-22.2	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	426.4	0.0	9.1	-9.1	
26		LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2263.6	0.0	37.5	-37.5
27	400 kV	TALCHER-I/C	D/C	582.4	0.8	3.8	3.9	-0.1	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	68.8	-68.8	
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	100	366	0.0	2.9	-3	
30		ALIPURDUAR-BONGAIGAON	D/C	349	95	2.8	0.0	3	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	26	134	1.0	0.0	1	
ER-NER						3.8	2.9	0.9	
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	500	0.0	12.0	-12.0	
NER-NR						0.0	12.0	-12.0	
Import/Export of WR (With NR)									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1297	0.0	55.4	-55.4	
34		V'CHAL B/B	D/C	0	250	6.1	0.0	6.1	
35		APL -MHG	D/C	0	1312	0.0	31.5	-31.5	
36	765 kV	GWALIOR-AGRA	D/C	0	1432	0.0	31.5	-31.5	
37		PHAGI-GWALIOR	D/C	0	1594	0.0	34.6	-34.6	
38		JABALPUR-ORAI	D/C	0	1366	0.0	24.7	-24.7	
39		GWALIOR-ORAI	S/C	191	0	3.0	0.0	3.0	
40		SATNA-ORAI	S/C	0	1849	0.0	41.3	-41.3	
41		ZERDA-KANKROLI	S/C	285	0	4.4	0.0	4.4	
42	400 kV	ZERDA -BHINMAL	S/C	260	43	3.2	0.0	3.2	
43		V'CHAL -RIHAND	S/C	964	0	22.5	0.0	22.5	
44		RAPP-SHUJALPUR	D/C	0	293	0	2	-2	
45	220 kV	BADOD-KOTA	S/C	64	61	0.3	0.3	0.0	
46		BADOD-MORAK	S/C	7	78	0.0	0.5	-0.5	
47		MEHGAON-AURAIYA	S/C	13	24	0.1	0.2	-0.2	
48		MALANPUR-AURAIYA	S/C	0	46	0.0	0.8	-0.8	
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						39.6	222.6	-183.0	
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	1000	0.0	10.7	-10.7	
51		LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	765 kV	SOLAPUR-RAICHUR	D/C	1276	629	8.3	0.0	8.3	
53		WARDHA-NIZAMABAD	D/C	0	1754	0.0	23.0	-23.0	
54	400 kV	KOLHAPUR-KUDGI	D/C	1154	0	21.5	0.0	21.5	
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						31.4	33.7	-2.3	
TRANSNATIONAL EXCHANGE									
58		BHUTAN						11.6	
59		NEPAL						-7.4	
60		BANGLADESH						-15.2	