



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: 26th May 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 25.05.2018.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 25-मई-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 25th 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

26-May-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs)	52247	48260	39173	20613	2389	162682
Peak Shortage (MW)	1131	130	0	0	184	1445
Energy Met (MU)	1228	1196	885	453	42	3805
Hydro Gen (MU)	222	21	41	92	20	396
Wind Gen (MU)	12	95	48	-----	-----	155
Solar Gen (MU)*	17.40	20.93	47.82	0.74	0.02	87
Energy Shortage (MU)	13.5	0.0	0.0	0.0	1.9	15.4
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	54893 23:42	53511 15:45	40513 19:32	21210 21:34	2341 18:52	165767 14:49

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	0.043	0.00	0.83	10.68	11.52	81.26	7.22

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	8640	0	186.5	76.3	-0.9	113	0.0	
	Haryana	7776	0	170.3	88.2	1.5	258	2.0	
	Rajasthan	10737	0	234.7	78.6	4.9	507	1.9	
	Delhi	5912	0	119.7	95.0	-1.9	215	0.0	
	UP	18690	530	400.9	176.4	7.9	1017	0.0	
	Uttarakhand	2068	0	44.7	21.3	1.4	168	0.5	
	HP	1377	0	26.5	7.4	1.9	218	0.0	
	J&K	1936	484	39.0	27.4	-7.3	107	9.2	
	Chandigarh	317	0	6.0	5.8	0.2	30	0.0	
	WR	Chhattisgarh	3524	0	86.9	18.7	1.8	89	0.0
Gujarat		16280	0	360.4	138.1	6.5	481	0.0	
MP		8735	0	195.4	109.8	-0.5	199	0.0	
Maharashtra		23192	0	511.7	144.3	1.8	443	0.0	
Goa		494	0	11.6	10.6	0.4	134	0.0	
DD		343	0	6.3	6.7	-0.5	131	0.0	
DNH		760	0	18.5	17.6	0.9	63	0.0	
Essar steel		329	0	5.6	6.6	-1.1	99	0.0	
SR		Andhra Pradesh	8614	0	183.0	67.5	2.4	510	0.0
		Telangana	7254	0	157.0	48.6	-0.8	506	0.0
	Karnataka	8143	0	171.5	48.6	-2.8	476	0.0	
	Kerala	3270	0	65.4	48.8	0.7	248	0.0	
	Tamil Nadu	13559	0	300.3	140.5	0.1	469	0.0	
	Pondy	372	0	8.1	8.4	-0.3	46	0.0	
ER	Bihar	4976	0	93.0	89.4	1.3	250	0.0	
	DVC	3129	0	71.8	-46.5	1.3	225	0.0	
	Jharkhand	1257	0	24.6	19.2	-0.4	85	0.0	
	Odisha	4624	0	92.8	36.3	0.4	225	0.0	
	West Bengal	8126	0	169.9	46.1	2.1	250	0.0	
	Sikkim	88	0	0.6	1.5	-1.0	15	0.0	
NER	Arunachal Pradesh	112	2	2.2	2.8	-0.6	25	0.0	
	Assam	1477	138	25.8	22.5	-0.4	116	1.7	
	Manipur	153	3	2.2	2.6	-0.4	32	0.0	
	Meghalaya	303	3	4.6	2.1	-0.6	25	0.0	
	Mizoram	90	1	1.7	1.0	-0.1	20	0.0	
	Nagaland	101	2	2.2	2.1	-0.1	43	0.0	
	Tripura	231	18	3.7	3.6	-0.4	32	0.1	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	20.0	-8.1	-14.5
Day peak (MW)	826.0	-276.3	-651.7

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	257.6	-226.1	42.0	-76.2	1.8	-0.9
Actual(MU)	253.8	-223.4	44.3	-65.8	-6.0	2.9
O/D/U/D(MU)	-3.8	2.7	2.3	10.4	-7.8	3.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4933	10997	7652	2010	189	25781
State Sector	6210	15770	4330	5215	50	31575
Total	11143	26767	11982	7225	239	57355

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	655	1225	619	463	9	2971
Hydro	222	21	42	92	19	397
Nuclear	27	18	46	0	0	90
Gas, Naptha & Diesel	34	58	18	0	23	133
RES (Wind, Solar, Biomass & Others)	50	116	131	1	0	297
Total	987	1437	857	556	52	3889

Share of RES in total generation (%)	5.02	8.04	15.30	0.22	0.06	7.65
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	30.23	10.73	25.58	16.85	37.66	20.18

H. Diversity Factor

All India Demand Diversity Factor	1.040
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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(पारेषण)/(ओ एम)/निदेशक(ओ एम)/मुख्य अभियंता-के०वि०प्रा०(ग्रिड)/अध्यक्ष एवं प्रबंध निदेशक(पोसीको)/सभी राज्यों के मुख्य सचिव/ऊर्जा सचिव

महाप्रबंधक (रा० भा० प्र० के०)

INTER-REGIONAL EXCHANGES

Date of Reporting : 26-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	317	0.0	5.1	-5.1	
2		SASARAM-FATEHPUR	S/C	156	142	0.0	0.6	-0.6	
3		GAYA-BALIA	S/C	0	617	0.0	12.3	-12.3	
4	HVDC	ALIPURDUAR-AGRA	-	0	284	0.0	12.1	-12.1	
5		PUSAULI B/B	S/C	107	0	2.4	0.0	2.4	
6	400 kV	PUSAULI-VARANASI	S/C	68	19	0.0	0.0	0.0	
7		PUSAULI -ALLAHABAD	S/C	109	10	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	595	0.0	9.9	-9.9	
9		PATNA-BALIA	Q/C	0	1120	0.0	19.8	-19.8	
10		BIHARSHARIFF-BALIA	D/C	0	518	0.0	10.4	-10.4	
11		MOTIHARI-GORAKHPUR	D/C	7	269	0.0	3.9	-3.9	
12	220 kV	BIHARSHARIFF-VARANASI	D/C	432	0	0.0	1.7	-1.7	
13		PUSAULI-SAHUPURI	S/C	0	204	0.0	4.3	-4.3	
14		SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
15		132 kV	GARWAH-RIHAND	S/C	35	0	0.6	0.0	0.6
16			KARMANASA-SAHUPURI	S/C	2	1	0.0	0.0	0.0
17		KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0	
ER-NR						3.0	80.1	-77.0	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	925	0	17.0	0.0	17.0	
19		NEW RANCHI-DHARAMJAIGARH	D/C	644	58	6.9	0.0	6.9	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	1100	0	19.2	0.0	19.2	
21		RANCHI-SIPAT	D/C	324	0	4.6	0.0	4.6	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	87	17	0.8	0.0	0.8	
23		BUDHIPADAR-KORBA	D/C	60	0	2.1	0.0	2.1	
ER-WR						50.6	0.0	50.6	
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1671.8	0.0	25.7	-25.7	
25	HVDC LINK	JEYPORE-GAZUWAKA B/B	D/C	0.0	421.4	0.0	9.5	-9.5	
26		TALCHER-KOLAR BIPOLE	D/C	0.0	1971.3	0.0	37.5	-37.5	
27	400 kV	TALCHER-I/C	D/C	595.3	0.8	0.8	7.9	-7.1	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	72.7	-72.7	
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	366	0.0	4.8	-5	
30		ALIPURDUAR-BONGAIGAON	D/C	232	101	0.8	0.0	1	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	133	0.0	1.7	-2	
ER-NER						0.8	6.5	-5.8	
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	500	0.0	12.7	-12.7	
NER-NR						0.0	12.7	-12.7	
Import/Export of WR (With NR)									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1398	0.0	52.4	-52.4	
34		V'CHAL B/B	D/C	250	200	0.2	3.5	-3.3	
35		APL -MHG	D/C	0	1412	0.0	29.6	-29.6	
36	765 kV	GWALIOR-AGRA	D/C	0	1371	0.0	28.0	-28.0	
37		PHAGI-GWALIOR	D/C	0	1720	0.0	33.1	-33.1	
38		JABALPUR-ORAI	D/C	0	1262	0.0	22.7	-22.7	
39		GWALIOR-ORAI	S/C	257	0	5.0	0.0	5.0	
40		SATNA-ORAI	S/C	0	1830	0.0	41.8	-41.8	
41		ZERDA-KANKROLI	S/C	336	0	6.5	0.0	6.5	
42	400 kV	ZERDA -BHINMAL	S/C	347	0	4.7	0.0	4.7	
43		V'CHAL -RIHAND	S/C	974	0	22.5	0.0	22.5	
44		RAPP-SHUJALPUR	D/C	0	292	0	2	-2	
45	220 kV	BADOD-KOTA	S/C	69	18	0.6	0.0	0.6	
46		BADOD-MORAK	S/C	17	57	0.0	0.7	-0.6	
47		MEHGAON-AURAIYA	S/C	18	25	0.0	0.3	-0.3	
48		MALANPUR-AURAIYA	S/C	0	44	0.0	0.7	-0.7	
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						39.5	214.6	-175.2	
Import/Export of WR (With SR)									
50	HVDC LINK	BHADRAWATI B/B	-	0	1000	0.0	0.0	0.0	
51		BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	974	951	1.5	0.0	1.5	
53		WARDHA-NIZAMABAD	D/C	0	1598	0.0	21.3	-21.3	
54	400 kV	KOLHAPUR-KUDGI	D/C	0	0	20.7	0.0	20.7	
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	73	0	1.5	0.0	1.5	
WR-SR						23.7	21.3	2.4	
TRANSNATIONAL EXCHANGE									
58		BHUTAN						20.0	
59		NEPAL						-8.1	
60		BANGLADESH						-14.5	