



National Load Despatch Centre
राष्ट्रीय भार प्रेषण केंद्र
POWER SYSTEM OPERATION CORPORATION LIMITED
पॉवर 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: 27th June 2018

To,

1. महाप्रबंधक, पू.क्षे.भा.प्रे.के., 14, गोल्फ क्लब रोड, कोलकाता - 700033
General Manager, ERLDC, 14 Golf Club Road, Tollygunge, 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 26.06.2018.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 26-जून 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 26th June 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

27-Jun-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs: from RLDCs)	55021	43976	40240	19091	2715	161043
Peak Shortage (MW)	1133	64	0	0	91	1288
Energy Met (MU)	1343	1018	906	397	51	3714
Hydro Gen (MU)	288	14	48	70	24	443
Wind Gen (MU)	24	135	219	-----	-----	379
Solar Gen (MU)*	18.48	12.95	51.67	0.31	0.02	83
Energy Shortage (MU)	9.7	0.0	0.0	0.0	0.8	10.5
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	61224 00:13	43936 20:15	41098 19:52	20295 20:31	2696 19:40	164717 21:19

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	0.026	0.00	0.00	3.81	3.81	79.39	16.81

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	12137	0	269.4	140.6	-0.8	149	0.0
	Haryana	9750	0	205.4	137.2	1.6	239	0.0
	Rajasthan	9475	0	204.6	45.5	0.4	376	0.0
	Delhi	6512	0	130.4	101.9	-2.5	145	0.0
	UP	18399	80	409.6	185.7	0.0	144	0.0
	Uttarakhand	2109	0	47.5	21.5	1.1	258	0.0
	HP	1421	0	28.3	8.6	1.2	152	0.0
	J&K	2050	512	40.9	19.7	-4.1	76	9.7
WR	Chhattisgarh	341	0	6.6	6.6	0.0	27	0.0
	Chhattisgarh	3613	0	81.5	24.2	-1.4	101	0.0
	Gujarat	14842	0	328.2	85.9	4.7	426	0.0
	MP	7222	0	160.4	66.5	-2.5	325	0.0
	Maharashtra	18071	0	402.5	96.5	-2.8	618	0.0
	Goa	414	0	9.0	8.5	-0.2	79	0.0
	DD	332	0	7.3	6.1	1.2	103	0.0
	DNH	753	0	17.2	16.7	0.5	81	0.0
SR	Essar steel	599	0	11.9	12.0	-0.1	186	0.0
	Andhra Pradesh	7965	0	179.3	10.0	0.7	563	0.0
	Telangana	7045	0	151.5	61.5	0.4	672	0.0
	Karnataka	8399	0	174.6	43.4	-2.6	403	0.0
	Kerala	3319	0	66.9	39.1	0.7	207	0.0
	Tamil Nadu	14604	0	325.5	116.4	1.3	537	0.0
	Pondy	378	0	7.9	8.2	-0.3	47	0.0
	ER	Bihar	4698	0	83.9	83.0	-1.4	150
DVC		2977	0	66.9	-42.7	0.8	200	0.0
Jharkhand		1014	0	17.9	14.5	-2.1	50	0.0
Odisha		4409	0	83.5	43.8	2.2	350	0.0
West Bengal		7562	0	144.1	32.1	1.8	400	0.0
Sikkim		89	0	0.9	1.1	-0.2	10	0.0
NER	Arunachal Pradesh	128	2	2.2	2.2	-0.1	15	0.0
	Assam	1749	67	32.6	25.2	1.9	176	0.6
	Manipur	149	3	2.3	2.5	-0.1	13	0.0
	Meghalaya	293	0	5.4	-0.1	0.0	140	0.0
	Mizoram	83	2	1.5	0.7	0.2	9	0.0
	Nagaland	118	2	2.1	2.0	-0.1	29	0.0
Tripura	256	4	4.8	3.9	0.7	44	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	19.3	-6.3	-14.8
Day peak (MW)	1096.4	-156.5	-661.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	300.9	-245.9	32.6	-86.8	-0.3	0.5
Actual(MU)	299.4	-248.7	34.9	-81.8	0.1	3.8
O/D/U/D(MU)	-1.5	-2.9	2.3	4.9	0.4	3.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3982	14441	9272	1350	118	29163
State Sector	3975	16064	6890	5465	50	32444
Total	7957	30505	16162	6815	168	61607

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	657	1050	474	406	8	2594
Hydro	288	14	49	70	24	444
Nuclear	26	30	45	0	0	100
Gas, Naptha & Diesel	45	41	15	0	22	123
RES (Wind, Solar, Biomass & Others)	56	148	308	1	0	513
Total	1072	1282	890	476	54	3774

Share of RES in total generation (%)	5.25	11.55	34.58	0.13	0.07	13.59
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	34.52	14.92	45.13	14.76	44.89	28.02

H. Diversity Factor

All India Demand Diversity Factor	1.028
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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(पि०प्र०)/
अध्यक्ष एवं प्रबंध निदेशक(पोसोको)/सभी राज्यों के मुख्य सचिव/ऊर्जा सचिव

महाप्रबंधक (रा० भा० प्र० कें०)

INTER-REGIONAL EXCHANGES

Date of Reporting : 27-Jun-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	651	0.0	11.1	-11.1
2		SASARAM-FATEHPUR	S/C	289	48	2.6	0.0	2.6
3		GAYA-BALIA	S/C	0	691	0.0	13.7	-13.7
4	HVDC	ALIPURDUAR-AGRA	-	176	93	0.0	7.2	-7.2
5		PUSAULI B/B	S/C	0	378	0.0	0.0	0.0
6	400 kV	PUSAULI-VARANASI	S/C	0	283	0.0	5.6	-5.6
7		PUSAULI -ALLAHABAD	S/C	0	175	0.0	3.1	-3.1
8		MUZAFFARPUR-GORAKHPUR	D/C	0	780	0.0	12.1	-12.1
9		PATNA-BALIA	Q/C	0	1110	0.0	19.8	-19.8
10		BIHARSHARIFF-BALIA	D/C	0	624	0.0	11.8	-11.8
11		MOTIHARI-GORAKHPUR	D/C	3	166	0.0	1.6	-1.6
12		BIHARSHARIFF-VARANASI	D/C	707	0	0.0	1.1	-1.1
13	220 kV	PUSAULI-SAHUPURI	S/C	0	185	0.0	3.9	-3.9
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	35	0	0.2	0.0	0.2
16		KARMANASA-SAHUPURI	S/C	0	41	0.4	0.0	0.4
17		KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0
ER-NR						3.2	91.0	-87.8
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	764	1	11.4	0.0	11.4
19		NEW RANCHI-DHARAMJAIGARH	D/C	828	91	10.9	0.0	10.9
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	1123	0	18.0	0.0	18.0
21		RANCHI-SIPAT	D/C	369	0	5.7	0.0	5.7
22	220 kV	BUDHIPADAR-RAIGARH	S/C	94	35	0.5	0.0	0.5
23		BUDHIPADAR-KORBA	D/C	148	0	3.2	0.0	3.2
ER-WR						49.7	0.0	49.7
Import/Export of ER (With SR)								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1379.8	0.0	15.0	-15.0
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	622.7	0.0	14.8	-14.8
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1485.2	0.0	26.5	-26.5
27	400 kV	TALCHER-I/C	D/C	1187.2	0.8	0.0	17.3	-17.3
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0
ER-SR						0.0	56.3	-56.3
Import/Export of ER (With NER)								
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	563	0.0	8.2	-8
30		ALIPURDUAR-BONGAIGAON	D/C	0	426	0.0	5.1	-5
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	138	0.0	2.1	-2
ER-NER						0.0	15.4	-15.4
Import/Export of NER (With NR)								
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	701	0.0	16.7	-16.7
NER-NR						0.0	16.7	-16.7
Import/Export of WR (With NR)								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	13	1500	0.0	27.8	-27.8
34		V'CHAL B/B	D/C	250	250	2.9	2.4	0.5
35	765 kV	APL -MHG	D/C	0	2520	0.0	54.7	-54.7
36		GWALIOR-AGRA	D/C	0	3132	0.0	58.7	-58.7
37		PHAGI-GWALIOR	D/C	0	1448	0.0	26.8	-26.8
38		JABALPUR-ORAI	D/C	0	1496	0.0	25.5	-25.5
39		GWALIOR-ORAI	S/C	0	1921	8.4	0.0	8.4
40		SATNA-ORAI	S/C	379	0	0.0	43.4	-43.4
41		ZERDA-KANKROLI	S/C	399	0	6.0	0.0	6.0
42	400 kV	ZERDA -BHINMAL	S/C	325	0	5.0	0.0	5.0
43		V'CHAL -RIHAND	S/C	961	0	22.0	0.0	22.0
44		RAPP-SHUJALPUR	D/C	14	254	0	2	-2
45	220 kV	BADOD-KOTA	S/C	74	58	0.8	0.1	0.7
46		BADOD-MORAK	S/C	27	71	0.1	0.6	-0.6
47		MEHGAON-AURAIYA	S/C	7	45	0.0	0.5	-0.5
48	132kV	MALANPUR-AURAIYA	S/C	0	64	0.0	1.1	-1.1
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						45.2	243.4	-198.2
Import/Export of WR (With SR)								
50	HVDC	BHADRAWATI B/B	-	0	300	0.0	4.7	-4.7
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	765 kV	SOLAPUR-RAICHUR	D/C	1135	979	5.2	1.9	3.3
53		WARDHA-NIZAMABAD	D/C	0	1392	0.0	15.2	-15.2
54	400 kV	KOLHAPUR-KUDGI	D/C	948	0	13.9	0.0	13.9
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	109	0	2.1	0.0	2.1
WR-SR						21.2	21.8	-0.6
TRANSNATIONAL EXCHANGE								
58		BHUTAN						19.3
59		NEPAL						-6.3
60		BANGLADESH						-14.8