



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: 28<sup>th</sup> June 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 नॉग्रह , लापलंग, शिल्लोंग - 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 27.06.2018.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 27-जून 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 27<sup>th</sup> 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 28-Jun-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs: from RLDCs)	52693	43809	39352	18101	2677	156632
Peak Shortage (MW)	740	42	0	0	104	886
Energy Met (MU)	1228	1016	891	399	50	3584
Hydro Gen (MU)	277	11	53	80	23	443
Wind Gen (MU)	10	107	223	-----	-----	340
Solar Gen (MU)*	13.15	13.85	42.64	0.42	0.02	70
Energy Shortage (MU)	11.5	0.0	0.0	0.0	1.0	12.5
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	57436 00:19	44486 19:52	40445 07:33	19254 20:42	2646 20:19	159582 19:54

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	0.023	0.00	0.00	2.29	2.29	84.88	12.82

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	10511	0	242.5	135.5	-1.1	121	0.0	
	Haryana	9486	0	190.1	128.1	0.8	253	0.0	
	Rajasthan	8192	0	184.3	52.7	0.9	572	0.0	
	Delhi	6068	0	122.2	96.4	-1.8	187	0.1	
	UP	17956	0	364.4	167.0	-0.9	380	0.0	
	Uttarakhand	2134	0	46.1	20.9	0.5	140	0.0	
	HP	1302	0	25.1	4.5	1.5	151	0.0	
	J&K	2224	556	46.9	20.1	1.4	352	11.4	
	Chandigarh	282	0	6.0	6.4	-0.4	35	0.0	
	WR	Chhattisgarh	3264	0	78.2	21.1	-0.8	127	0.0
Gujarat		14679	0	331.1	114.0	6.6	1052	0.0	
MP		6947	0	156.2	58.1	-2.3	215	0.0	
Maharashtra		18093	0	406.5	103.2	-4.5	865	0.0	
Goa		440	0	9.0	8.4	0.0	89	0.0	
DD		340	0	7.5	6.2	1.3	93	0.0	
DNH		729	0	16.2	15.5	0.7	235	0.0	
Essar steel		563	0	11.5	11.9	-0.4	167	0.0	
SR		Andhra Pradesh	7691	0	172.4	11.3	0.8	629	0.0
		Telangana	6878	0	149.4	62.9	-0.4	339	0.0
	Karnataka	8631	0	174.2	46.3	0.1	662	0.0	
	Kerala	3207	0	64.2	42.4	0.7	223	0.0	
	Tamil Nadu	14440	0	323.4	109.7	-0.9	614	0.0	
	Pondy	366	0	7.7	7.8	-0.2	47	0.0	
ER	Bihar	4407	0	80.5	77.0	0.8	325	0.0	
	DVC	2884	0	67.4	-39.6	0.3	305	0.0	
	Jharkhand	990	0	20.3	15.7	-0.7	135	0.0	
	Odisha	4125	0	79.7	42.3	2.5	385	0.0	
	West Bengal	7646	0	149.8	37.8	3.3	465	0.0	
NER	Sikkim	84	0	1.3	1.2	0.0	20	0.0	
	Arunachal Pradesh	123	3	2.3	2.4	-0.1	15	0.0	
	Assam	1702	65	30.8	24.8	0.7	176	0.8	
	Manipur	160	2	2.4	2.5	-0.1	13	0.0	
	Meghalaya	298	0	5.7	0.5	0.2	140	0.0	
	Mizoram	85	1	1.4	0.8	0.1	9	0.0	
	Nagaland	120	3	2.2	2.0	0.0	29	0.0	
	Tripura	259	2	4.7	3.8	0.5	44	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	20.4	-6.0	-14.8
Day peak (MW)	1116.0	-380.1	-660.7

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	292.8	-251.2	46.0	-87.2	-0.2	0.3
Actual(MU)	288.2	-247.8	34.6	-78.5	-0.5	-4.0
O/D/U/D(MU)	-4.6	3.3	-11.4	8.7	-0.3	-4.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4608	13111	9872	1140	118	28849
State Sector	3975	16114	7700	5465	50	33304
Total	8583	29225	17572	6605	168	62152

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	582	1075	449	420	9	2535
Hydro	277	11	54	80	23	445
Nuclear	29	30	45	0	0	103
Gas, Naptha & Diesel	38	46	14	0	22	119
RES (Wind, Solar, Biomass & Others)	36	121	302	1	0	460
Total	961	1282	864	501	54	3662

Share of RES in total generation (%)	3.79	9.40	34.96	0.14	0.06	12.55
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	35.59	12.59	46.40	16.07	42.59	27.52

H. Diversity Factor

All India Demand Diversity Factor	1.029
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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 (परिचालन)/(ओ एम)/निदेशक (ओ एम)/मुख्य अभियंता-के०वि०एम०(पि०ए०)/  
अध्यक्ष एवं प्रबंध निदेशक (सोमनाथ)/सभी राज्य के मुख्य सचिव/ऊर्जा सचिव

महाप्रबंधक (रा० भा० प्रे० के०)

**INTER-REGIONAL EXCHANGES**

Date of Reporting : 28-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)	
<b>Import/Export of ER (With NR)</b>									
1	765kV	GAYA-VARANASI	D/C	0	643	0.0	10.4	-10.4	
2		SASARAM-FATEHPUR	S/C	214	75	1.5	0.0	1.5	
3		GAYA-BALIA	S/C	0	558	0.0	10.0	-10.0	
4		ALIPURDUAR-AGRA	-	387	393	0.0	12.1	-12.1	
5	400 kV	PUSAULI B/B	S/C	0	378	0.0	9.3	-9.3	
6		PUSAULI-VARANASI	S/C	0	265	0.0	0.0	0.0	
7		PUSAULI -ALLAHABAD	S/C	0	200	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	636	0.0	10.2	-10.2	
9		PATNA-BALIA	Q/C	0	1000	0.0	16.4	-16.4	
10		BIHARSHARIFF-BALIA	D/C	0	532	0.0	8.4	-8.4	
11		MOTIHARI-GORAKHPUR	D/C	3	141	0.0	1.9	-1.9	
12		BIHARSHARIFF-VARANASI	D/C	627	0	0.0	1.8	-1.8	
13		220 kV	PUSAULI-SAHUPURI	S/C	0	173	0.0	3.6	-3.6
14			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	132 kV	KARMANASA-SAHUPURI	S/C	0	41	0.0	0.0	0.0	
17		KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0	
<b>ER-NR</b>						<b>1.7</b>	<b>84.1</b>	<b>-82.3</b>	
<b>Import/Export of ER (With WR)</b>									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	882	5	11.0	0.0	11.0	
19		NEW RANCHI-DHARAMJAIGARH	D/C	610	0	9.1	0.0	9.1	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	898	0	15.6	0.0	15.6	
21		RANCHI-SIPAT	D/C	305	0	5.5	0.0	5.5	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	65	52	0.3	0.0	0.3	
23		BUDHIPADAR-KORBA	D/C	144	0	1.8	0.0	1.8	
<b>ER-WR</b>						<b>43.3</b>	<b>0.0</b>	<b>43.3</b>	
<b>Import/Export of ER (With SR)</b>									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1405.8	0.0	19.3	-19.3	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	626.8	0.0	13.8	-13.8	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	796.2	0.0	19.2	-19.2	
27	400 kV	TALCHER-I/C	D/C	1092.1	0.8	0.0	16.4	-16.4	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0	
<b>ER-SR</b>						<b>0.0</b>	<b>52.3</b>	<b>-52.3</b>	
<b>Import/Export of ER (With NER)</b>									
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	600	0.0	9.1	-9	
30		ALIPURDUAR-BONGAIGAON	D/C	43	296	0.0	3.8	-4	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	134	0.0	2.1	-2	
<b>ER-NER</b>						<b>0.0</b>	<b>15.0</b>	<b>-15.0</b>	
<b>Import/Export of NER (With NR)</b>									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	702	0.0	17.1	-17.1	
<b>NER-NR</b>						<b>0.0</b>	<b>17.1</b>	<b>-17.1</b>	
<b>Import/Export of WR (With NR)</b>									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1500	0.0	25.5	-25.5	
34		V'CHAL B/B	D/C	250	250	0.9	2.1	-1.2	
35		APL -MHG	D/C	0	2318	0.0	45.7	-45.7	
36		GWALIOR-AGRA	D/C	0	2732	0.0	55.0	-55.0	
37	765 kV	PHAGI-GWALIOR	D/C	0	1600	0.0	30.4	-30.4	
38		JABALPUR-ORAI	D/C	0	1317	0.0	23.5	-23.5	
39		GWALIOR-ORAI	S/C	0	1902	9.7	0.0	9.7	
40		SATNA-ORAI	S/C	662	0	0.0	42.8	-42.8	
41		400 kV	ZERDA-KANKROLI	S/C	502	0	6.8	0.0	6.8
42			ZERDA -BHINMAL	S/C	378	0	2.3	0.0	2.3
43	V'CHAL -RIHAND		S/C	965	0	20.2	0.0	20.2	
44	RAPP-SHUJALPUR		D/C	0	400	0	3	-3	
45	220 kV	BADOD-KOTA	S/C	73	75	0.4	0.3	0.2	
46		BADOD-MORAK	S/C	14	88	0.0	0.8	-0.8	
47		MEHGAON-AURAIYA	S/C	0	30	0.0	0.4	-0.4	
48	132kV	MALANPUR-AURAIYA	S/C	0	52	0.0	0.8	-0.8	
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
<b>WR-NR</b>						<b>40.3</b>	<b>229.9</b>	<b>-189.6</b>	
<b>Import/Export of WR (With SR)</b>									
50	HVDC	BHADRAWATI B/B	-	0	100	0.0	2.4	-2.4	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	676	1204	0.0	2.7	-2.7	
53		WARDHA-NIZAMABAD	D/C	0	1843	0.0	21.8	-21.8	
54	400 kV	KOLHAPUR-KUDGI	D/C	763	0	10.9	0.0	10.9	
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	
<b>WR-SR</b>						<b>13.0</b>	<b>26.9</b>	<b>-13.9</b>	
<b>TRANSNATIONAL EXCHANGE</b>									
58		BHUTAN						<b>20.4</b>	
59		NEPAL						<b>-6.0</b>	
60		BANGLADESH						<b>-14.8</b>	