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: 04th June 2019

To,

1. कार्यकारी निदेशक, पू .क्षे .भा .प्रे .के.,14 , गोल्फ क्लब रोड , कोलकाता - 700033
   Executive Director, ERLDC, 14 Golf Club Road, Tollygunge, Kolkata, 700033
2. कार्यकारी निदेशक, ऊ. क्षे. भा. प्रे. के., 18/ ए , शहीद जीत सिंह सनसनवाल मार्ग, नई दिल्ली - 110016
   Executive Director, 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. मुख्य महाप्रबंधक, ऊ. पू. क्षे. भा. प्रे. के., डोंगतिएह, लोअर नोंग्रह , लापलंग, शिलोंग - 793006
   Chief General Manager, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
5. कार्यकारी निदेशक , द .क्षे .भा .प्रे .के.,29 , रेस कोर्स क्रॉस रोड, बंगलुरु -560009
   Executive Director, SRLDC, 29, Race Course Cross Road, Bangalore-560009

Sub: Daily PSP Report for the date 03.06.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 03-जून-2019 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रा०भा०प्रे०के० की वेबसाइट पर उप्लब्ध 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 03rd June 2019, 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** **4-Jun-19**

A. Power Supply Position at All India and Regional level

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs)	56183	50514	40212	19374	2311	168594
Peak Shortage (MW)	355	0	0	0	342	697
Energy Met (MU)	1306	1236	921	412	47	3922
Hydro Gen (MU)	340	17	42	64	13	476
Wind Gen (MU)	32	137	143	----------	----------	311
Solar Gen (MU)*	27.32	24.3	73.29	2.71	0.03	128
Energy Shortage (MU)	10.1	0.0	0.0	0.0	2.6	12.6
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	58791	56298	41099	21041	2248	174932
	22:46	15:33	14:43	23:41	20:04	15:31

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	0.031	0.00	0.00	2.36	2.36	65.45	32.19

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	9022	0	181.3	102.3	-3.1	42	0.0
	Haryana	8893	0	189.3	127.8	0.1	121	0.0
	Rajasthan	11872	0	261.8	68.6	0.9	385	0.0
	Delhi	6526	0	135.5	116.2	-1.5	204	0.0
	UP	21407	0	412.6	186.6	2.9	676	0.0
	Uttarakhand	2099	0	45.8	16.7	0.0	115	0.0
	HP	1612	7	30.3	1.5	1.2	361	0.0
	J&K	2181	545	42.6	24.5	-3.0	101	10.0
	Chandigarh	348	0	6.5	7.7	-1.2	0	0.0
WR	Chhattisgarh	3816	0	85.5	34.8	-1.6	222	0.0
	Gujarat	17941	0	390.7	108.1	5.3	660	0.0
	MP	9661	0	216.9	104.8	0.0	698	0.0
	Maharashtra	22912	0	500.4	124.7	-3.1	797	0.0
	Goa	541	0	12.3	10.5	1.2	35	0.0
	DD	312	0	7.1	6.8	0.3	39	0.0
	DNH	765	0	17.6	17.9	-0.3	56	0.0
	Essar steel	293	0	5.5	5.9	-0.4	225	0.0
SR	Andhra Pradesh	7900	0	174.6	39.6	0.6	498	0.0
	Telangana	8131	0	154.4	44.1	-0.6	492	0.0
	Karnataka	9510	0	175.5	53.3	-2.2	492	0.0
	Kerala	4026	0	79.6	60.9	1.9	219	0.0
	Tamil Nadu	14963	0	328.4	130.9	0.1	496	0.0
	Pondy	432	0	9.0	9.1	-0.1	35	0.0
ER	Bihar	5082	0	93.8	91.6	-0.5	100	0.0
	DVC	3035	0	64.0	-38.1	0.0	350	0.0
	Jharkhand	1000	0	19.6	12.8	-2.1	80	0.0
	Odisha	4222	0	80.5	34.3	1.5	400	0.0
	West Bengal	7792	0	152.9	43.3	1.3	400	0.0
	Sikkim	97	0	1.2	1.4	-0.2	35	0.0
NER	Arunachal Pradesh	116	3	2.2	2.2	0.0	23	0.0
	Assam	1435	45	28.3	24.2	0.5	133	2.5
	Manipur	142	7	2.4	2.1	0.3	42	0.0
	Meghalaya	315	6	5.9	3.6	0.2	60	0.0
	Mizoram	91	4	1.8	1.3	0.2	14	0.0
	Nagaland	113	2	2.1	2.1	0.0	26	0.0
	Tripura	257	10	4.0	3.8	0.0	47	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	9.9	-9.0	-25.9
Day peak (MW)	498.9	-547.9	-1109.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	231.5	-248.0	77.3	-57.9	-0.8	2.0
Actual(MU)	232.3	-249.4	79.2	-59.2	-0.6	2.3
O/D/U/D(MU)	0.8	-1.4	2.0	-1.3	0.2	0.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4303	11959	8732	350	356	25700
State Sector	5835	12437	6100	2890	50	27312
Total	10138	24396	14832	3240	406	53012

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	588	1238	453	442	11	2732
Lignite	19	13	34	0	0	66
Hydro	340	17	42	64	13	476
Nuclear	27	18	59	0	0	104
Gas, Naptha & Diesel	40	47	15	0	28	131
RES (Wind, Solar, Biomass & Others)	75	170	246	3	0	493
Total	1090	1503	849	508	52	4002

Share of RES in total generation (%)	6.89	11.28	28.97	0.54	0.06	12.33
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	40.56	13.62	40.81	13.13	24.68	26.81

H. Diversity Factor

All India Demand Diversity Factor	1.026

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.

मुख्य महाप्रबंधक (रा॰ भा॰ प्रे॰ के॰)

INTER-REGIONAL EXCHANGES

Date of Reporting : **4-Jun-19**

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	22	294	0.0	3.5	-3.5
2		SASARAM-FATEHPUR	S/C	103	105	0.0	0.3	-0.3
3		GAYA-BALIA	S/C	0	376	0.0	6.5	-6.5
4	**HVDC**	ALIPURDUAR-AGRA	-	0	501	0.0	11.8	-11.8
5		PUSAULI B/B	S/C	0	49	0.0	1.1	-1.1
6	**400 kV**	PUSAULI-VARANASI	S/C	0	94	0.0	1.7	-1.7
7		PUSAULI -ALLAHABAD	S/C	36	10	0.7	0.0	0.7
8		MUZAFFARPUR-GORAKHPUR	D/C	0	528	0.0	4.9	-4.9
9		PATNA-BALIA	Q/C	0	901	0.0	14.8	-14.8
10		BIHARSHARIFF-BALIA	D/C	0	395	0.0	7.3	-7.3
11		MOTIHARI-GORAKHPUR	D/C	0	337	0.0	6.0	-6.0
12		BIHARSHARIFF-VARANASI	D/C	88	160	0.0	1.1	-1.1
13	**220 kV**	PUSAULI-SAHUPURI	S/C	0	175	0.0	3.1	-3.1
14	**132 kV**	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	30	0	0.1	0.0	0.1
16		KARMANASA-SAHUPURI	S/C	0	0	0.0	0.0	0.0
17		KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0
					ER-NR	**0.7**	**61.9**	**-61.2**
Import/Export of ER (With WR)								
18	**765 kV**	JHARSUGUDA-DHARAMJAIGARH	Q/C	1302	0	20.6	0.0	20.6
19		NEW RANCHI-DHARAMJAIGARH	D/C	810	0	14.8	0.0	14.8
20		JHARSUGUDA-DURG	D/C	149	53	1.0	0.0	1.0
21	**400 kV**	JHARSUGUDA-RAIGARH	Q/C	959	0	17.5	0.0	17.5
22		RANCHI-SIPAT	D/C	286	0	4.2	0.0	4.2
23	**220 kV**	BUDHIPADAR-RAIGARH	S/C	62	27	0.5	0.0	0.5
24		BUDHIPADAR-KORBA	D/C	180	0	3.0	0.0	3.0
					ER-WR	**61.5**	**0.0**	**61.5**
Import/Export of ER (With SR)								
25	**765 kV**	ANGUL-SRIKAKULAM	D/C	0.0	1759.0	0.0	27.8	-27.8
26	**HVDC LINK**	JEYPORE-GAZUWAKA B/B	D/C	0.0	548.0	0.0	11.5	-11.5
27		TALCHER-KOLAR BIPOLE	D/C	0.0	2451.0	0.0	44.4	-44.4
28	**400 kV**	TALCHER-I/C	D/C	758.0	983.0	0.0	9.4	-9.4
29	**220 kV**	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
					ER-SR	**0.0**	**83.7**	**-83.7**
Import/Export of ER (With NER)								
30	**400 kV**	BINAGURI-BONGAIGAON	D/C	0	469	0.0	7.7	-8
31		ALIPURDUAR-BONGAIGAON	D/C	102	210	0.0	2.0	-2
32	**220 kV**	ALIPURDUAR-SALAKATI	D/C	0	79	0.0	1.4	-1
					ER-NER	**0.0**	**11.2**	**-11.2**
Import/Export of NER (With NR)								
33	**HVDC**	BISWANATH CHARIALI-AGRA	-	0	503	0.0	12.0	-12.0
					NER-NR	**0.0**	**12.0**	**-12.0**
Import/Export of WR (With NR)								
34	**HVDC**	CHAMPA-KURUKSHETRA	D/C	0	2001	0.0	1.4	-1.4
35		V'CHAL B/B	D/C	453	0	12.1	0.0	12.1
36		APL -MHG	D/C	0	1721	0.0	36.3	-36.3
37	**765 kV**	GWALIOR-AGRA	D/C	0	2456	0.0	45.6	-45.6
38		PHAGI-GWALIOR	D/C	0	1218	0.0	18.4	-18.4
39		JABALPUR-ORAI	D/C	0	862	0.0	21.2	-21.2
40		GWALIOR-ORAI	S/C	373	0	7.5	0.0	7.5
41		SATNA-ORAI	S/C	0	1405	0.0	15.2	-15.2
42		CHITTORGARH-BANASKANTHA	D/C	0	586	0.0	10.4	10.4
43	**400 kV**	ZERDA-KANKROLI	S/C	115	43	1.2	0.1	1.1
44		ZERDA -BHINMAL	S/C	230	148	0.0	45.1	-45.1
45		V'CHAL -RIHAND	S/C	964	0	21.6	0.0	21.6
46		RAPP-SHUJALPUR	D/C	13	310	11	18	-8
47	**220 kV**	BHANPURA-RANPUR	S/C	36	48	0.1	0.4	-0.3
48		BHANPURA-MORAK	S/C	0	125	0.0	2.3	-2.3
49		MEHGAON-AURAIYA	S/C	30	6	0.2	0.0	0.2
50		MALANPUR-AURAIYA	S/C	0	39	0.0	0.5	-0.5
51	**132kV**	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
					WR-NR	**53.2**	**214.9**	**-141.0**
Import/Export of WR (With SR)								
52	**HVDC LINK**	BHADRAWATI B/B	-	0	975	0.0	16.3	-16.3
53		BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
54	**765 kV**	SOLAPUR-RAICHUR	D/C	894	1412	0.0	5.2	-5.2
55		WARDHA-NIZAMABAD	D/C	0	1701	0.0	25.1	-25.1
56	**400 kV**	KOLHAPUR-KUDGI	D/C	936	876	10.2	0.0	10.2
57	**220 kV**	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
58		PONDA-AMBEWADI	S/C	1	0	0.0	0.0	0.0
59		XELDEM-AMBEWADI	S/C	0	58	1.2	0.0	1.2
					WR-SR	**11.4**	**46.6**	**-35.2**
TRANSNATIONAL EXCHANGE								
60		BHUTAN						**9.9**
61		NEPAL						**-9.0**
62		BANGLADESH						**-25.9**