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, क़ुतुब इन्स्टीट्यूशनल एरिया, कटवारिया सराये, न्यू दिल्ली-110016

Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 03rd 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 02.06.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 02-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 02nd 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** **3-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)	53424	47839	36710	17663	2544	158180
Peak Shortage (MW)	1074	0	0	0	128	1202
Energy Met (MU)	1324	1211	946	420	48	3949
Hydro Gen (MU)	334	15	39	66	14	468
Wind Gen (MU)	22	103	126	----------	----------	251
Solar Gen (MU)*	28.87	23.9	82.43	2.31	0.03	138
Energy Shortage (MU)	11.0	0.0	0.0	0.0	1.6	12.5
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	59391	53125	41482	22236	2518	178279
	00:01	00:00	00:00	00:00	19:26	00:00

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	0.079	0.14	0.54	3.90	4.58	56.03	39.39

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	8517	0	186.9	106.3	-1.2	66	0.0
	Haryana	8775	0	182.0	119.7	0.2	129	0.0
	Rajasthan	11710	0	260.2	73.9	1.8	527	0.0
	Delhi	6507	0	132.7	111.8	0.0	249	0.0
	UP	20310	0	439.0	190.5	1.3	948	0.0
	Uttarakhand	1992	0	43.0	14.9	-0.5	123	0.0
	HP	1263	0	27.0	1.4	-0.5	159	0.0
	J&K	2193	387	46.8	30.1	-3.7	83	11.0
	Chandigarh	309	0	6.0	7.1	-1.0	51	0.0
WR	Chhattisgarh	3887	0	88.5	36.3	-1.0	299	0.0
	Gujarat	16987	0	376.2	105.2	4.3	728	0.0
	MP	9614	0	215.2	106.1	0.0	446	0.0
	Maharashtra	21559	0	489.6	117.5	-4.5	446	0.0
	Goa	541	0	12.3	10.1	1.6	83	0.0
	DD	313	0	7.1	6.7	0.3	46	0.0
	DNH	725	0	16.3	16.4	-0.2	60	0.0
	Essar steel	327	0	6.1	6.2	-0.1	278	0.0
SR	Andhra Pradesh	9382	0	194.2	56.7	-0.1	876	0.0
	Telangana	7567	0	167.0	55.1	0.3	437	0.0
	Karnataka	9279	0	184.8	60.0	-0.1	454	0.0
	Kerala	3921	0	77.6	60.7	1.3	183	0.0
	Tamil Nadu	13757	0	313.7	124.7	-0.5	669	0.0
	Pondy	396	0	8.2	8.5	-0.3	46	0.0
ER	Bihar	4830	0	88.8	86.5	0.0	700	0.0
	DVC	3147	0	66.3	-36.4	0.6	250	0.0
	Jharkhand	1000	0	25.1	16.7	-1.0	120	0.0
	Odisha	4366	0	85.8	37.6	0.9	400	0.0
	West Bengal	8836	0	153.4	35.4	0.5	350	0.0
	Sikkim	79	0	0.9	1.1	-0.2	30	0.0
NER	Arunachal Pradesh	144	2	2.0	2.3	-0.3	87	0.0
	Assam	1613	68	29.8	25.0	0.7	176	1.5
	Manipur	167	1	2.3	2.1	0.2	24	0.0
	Meghalaya	298	0	5.9	3.3	0.2	126	0.0
	Mizoram	75	1	1.7	1.3	0.2	23	0.0
	Nagaland	114	2	2.5	2.3	0.0	11	0.0
	Tripura	253	2	4.4	4.2	-0.5	54	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	8.4	-6.9	-22.6
Day peak (MW)	487.0	-419.6	-1132.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	230.7	-240.4	77.2	-67.0	0.2	0.8
Actual(MU)	231.3	-246.5	73.3	-62.2	0.7	-3.5
O/D/U/D(MU)	0.5	-6.2	-3.9	4.8	0.5	-4.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4303	13375	7222	350	56	25306
State Sector	5700	12297	6690	2780	50	27517
Total	10003	25672	13912	3130	106	52823

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	622	1240	483	447	11	2803
Lignite	24	14	43	0	0	82
Hydro	334	15	39	66	14	468
Nuclear	27	18	59	0	0	104
Gas, Naptha & Diesel	42	39	14	0	28	123
RES (Wind, Solar, Biomass & Others)	67	135	241	2	0	445
Total	1116	1462	878	516	54	4025

Share of RES in total generation (%)	5.96	9.24	27.42	0.46	0.06	11.05
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	38.32	11.50	38.52	13.29	26.14	25.26

H. Diversity Factor

All India Demand Diversity Factor	1.003

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 (रा० भा० प्रे० के०)

INTER-REGIONAL EXCHANGES

Date of Reporting : **3-Jun-19**

Sl No	Voltage Level	Line Details	Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	Import=(+ve) /Export =(-ve) for NET (MU) NET (MU)
Import/Export of ER (With NR)								
1	**765kV**	GAYA-VARANASI	D/C	55	271	0.0	2.2	-2.2
2		SASARAM-FATEHPUR	S/C	107	210	0.0	0.2	-0.2
3		GAYA-BALIA	S/C	0	382	0.0	6.8	-6.8
4	**HVDC**	ALIPURDUAR-AGRA	-	0	501	0.0	12.1	-12.1
5		PUSAULI B/B	S/C	0	49	0.0	1.1	-1.1
6	**400 kV**	PUSAULI-VARANASI	S/C	0	108	0.0	1.9	-1.9
7		PUSAULI -ALLAHABAD	S/C	50	10	0.8	0.0	0.8
8		MUZAFFARPUR-GORAKHPUR	D/C	0	672	0.0	7.9	-7.9
9		PATNA-BALIA	Q/C	0	1167	0.0	20.1	-20.1
10		BIHARSHARIFF-BALIA	D/C	0	474	0.0	8.7	-8.7
11		MOTIHARI-GORAKHPUR	D/C	0	424	0.0	7.1	-7.1
12		BIHARSHARIFF-VARANASI	D/C	121	211	0.0	0.9	-0.9
13	**220 kV**	PUSAULI-SAHUPURI	S/C	0	164	0.0	3.3	-3.3
14	**132 kV**	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	30	0	0.5	0.0	0.5
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	**1.3**	**72.3**	**-71.0**
Import/Export of ER (With WR)								
18	**765 kV**	JHARSUGUDA-DHARAMJAIGARH	Q/C	1439	0	21.9	0.0	21.9
19		NEW RANCHI-DHARAMJAIGARH	D/C	828	0	12.2	0.0	12.2
20		JHARSUGUDA-DURG	D/C	177	69	1.3	0.0	1.3
21	**400 kV**	JHARSUGUDA-RAIGARH	Q/C	973	0	13.0	0.0	13.0
22		RANCHI-SIPAT	D/C	285	0	4.6	0.0	4.6
23	**220 kV**	BUDHIPADAR-RAIGARH	S/C	36	78	0.0	0.4	-0.4
24		BUDHIPADAR-KORBA	D/C	154	0	2.7	0.0	2.7
					ER-WR	**55.7**	**0.4**	**55.3**
Import/Export of ER (With SR)								
25	**765 kV**	ANGUL-SRIKAKULAM	D/C	0.0	1750.0	0.0	33.0	-33.0
26	**HVDC LINK**	JEYPORE-GAZUWAKA B/B	D/C	0.0	474.0	0.0	11.0	-11.0
27		TALCHER-KOLAR BIPOLE	D/C	0.0	1398.0	0.0	31.3	-31.3
28	**400 kV**	TALCHER-I/C	D/C	779.0	59.0	9.0	0.0	9.0
29	**220 kV**	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
					ER-SR	**0.0**	**75.3**	**-75.3**
Import/Export of ER (With NER)								
30	**400 kV**	BINAGURI-BONGAIGAON	D/C	0	536	0.0	8.2	-8
31		ALIPURDUAR-BONGAIGAON	D/C	111	295	0.0	2.6	-3
32	**220 kV**	ALIPURDUAR-SALAKATI	D/C	0	100	0.0	1.4	-1
					ER-NER	**0.0**	**12.1**	**-12.1**
Import/Export of NER (With NR)								
33	**HVDC**	BISWANATH CHARIALI-AGRA	-	0	503	0.0	12.1	-12.1
					NER-NR	**0.0**	**12.1**	**-12.1**
Import/Export of WR (With NR)								
34	**HVDC**	CHAMPA-KURUKSHETRA	D/C	0	1103	0.0	26.1	-26.1
35		V'CHAL B/B	D/C	453	0	11.4	0.0	11.4
36		APL -MHG	D/C	0	1721	0.0	36.3	-36.3
37	**765 kV**	GWALIOR-AGRA	D/C	0	2244	0.0	43.0	-43.0
38		PHAGI-GWALIOR	D/C	0	1129	0.0	21.2	-21.2
39		JABALPUR-ORAI	D/C	0	837	0.0	32.2	-32.2
40		GWALIOR-ORAI	S/C	427	0	8.4	0.0	8.4
41		SATNA-ORAI	S/C	0	1332	0.0	28.1	-28.1
42		CHITTORGARH-BANASKANTHA	D/C	0	465	0.0	5.6	5.6
43	**400 kV**	ZERDA-KANKROLI	S/C	92	57	1.1	0.0	1.1
44		ZERDA -BHINMAL	S/C	213	133	1.8	0.0	1.8
45		V'CHAL -RIHAND	S/C	972	0	21.6	0.0	21.6
46		RAPP-SHUJALPUR	D/C	26	252	0	2	-2
47	**220 kV**	BHANPURA-KOTA	S/C	24	32	0.1	0.2	-0.2
48		BHANPURA-MORAK	S/C	0	118	0.0	2.2	-2.2
49		MEHGAON-AURAIYA	S/C	45	10	0.3	0.0	0.3
50		MALANPUR-AURAIYA	S/C	14	46	0.0	0.5	-0.5
51	**132kV**	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
					WR-NR	**44.6**	**197.2**	**-141.5**
Import/Export of WR (With SR)								
52	**HVDC LINK**	BHADRAWATI B/B	-	0	989	0.0	20.6	-20.6
53		BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
54	**765 kV**	SOLAPUR-RAICHUR	D/C	192	1099	0.0	10.4	-10.4
55		WARDHA-NIZAMABAD	D/C	0	1569	0.0	27.0	-27.0
56	**400 kV**	KOLHAPUR-KUDGI	D/C	844	0	12.8	0.0	12.8
57	**220 kV**	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
58		PONDA-AMBEWADI	S/C	2	0	0.0	0.0	0.0
59		XELDEM-AMBEWADI	S/C	1	58	1.0	0.0	1.0
					WR-SR	**13.8**	**58.0**	**-44.2**
TRANSNATIONAL EXCHANGE								
60		BHUTAN						**8.4**
61		NEPAL						**-6.9**
62		BANGLADESH						**-22.6**