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: 22nd May 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 21.05.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 21-मई-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 21st May 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** **22-May-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)	52349	51656	42436	21721	2572	170734
Peak Shortage (MW)	1021	0	0	0	150	1171
Energy Met (MU)	1209	1260	1052	486	47	4053
Hydro Gen (MU)	295	59	64	67	15	499
Wind Gen (MU)	8	81	59	----------	----------	148
Solar Gen (MU)*	21.95	25.70	79.19	1.00	0.04	128
Energy Shortage (MU)	15.8	0.0	0.0	0.0	2.2	18.0
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	55867	56350	45275	23181	2624	177220
	23:05	15:01	14:59	00:00	18:57	23:00

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	0.085	0.59	3.94	15.97	20.50	66.19	13.31

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	7314	0	158.9	79.3	-2.1	8	0.0
	Haryana	8116	0	167.3	121.3	-0.2	161	0.0
	Rajasthan	10718	0	230.7	77.6	2.9	563	0.0
	Delhi	5416	0	110.8	94.5	-0.8	171	0.0
	UP	20312	460	413.5	188.4	-0.9	758	4.4
	Uttarakhand	2077	0	45.1	20.7	0.7	196	0.0
	HP	1395	2	29.2	5.1	1.7	268	0.0
	J&K	2148	537	48.3	27.9	0.2	226	11.3
	Chandigarh	278	0	5.3	6.0	-0.6	0	0.0
WR	Chhattisgarh	3966	0	92.3	41.5	-3.2	245	0.0
	Gujarat	17588	0	387.9	85.5	5.0	720	0.0
	MP	9673	0	222.8	108.3	0.0	579	0.0
	Maharashtra	23145	0	513.6	120.7	0.3	741	0.0
	Goa	541	0	12.4	11.7	0.1	84	0.0
	DD	342	0	7.5	7.1	0.4	41	0.0
	DNH	770	0	18.2	18.4	-0.2	53	0.0
	Essar steel	392	0	5.2	4.6	0.6	332	0.0
SR	Andhra Pradesh	9550	0	201.7	60.5	0.0	578	0.0
	Telangana	7981	0	173.0	49.9	-0.4	525	0.0
	Karnataka	11470	0	221.7	69.8	-0.4	571	0.0
	Kerala	4162	0	86.8	60.9	1.1	259	0.0
	Tamil Nadu	15952	0	359.7	179.7	0.7	722	0.0
	Pondy	430	0	9.1	9.3	-0.2	37	0.0
ER	Bihar	5433	0	107.3	104.5	0.2	200	0.0
	DVC	3261	0	70.1	-50.2	1.3	500	0.0
	Jharkhand	1310	0	28.7	22.8	0.3	200	0.0
	Odisha	4669	0	85.0	28.4	0.4	350	0.0
	West Bengal	9363	0	193.3	71.0	-1.4	250	0.0
	Sikkim	85	0	1.1	1.4	-0.3	20	0.0
NER	Arunachal Pradesh	124	2	2.1	2.1	-0.1	43	0.0
	Assam	1567	72	27.6	22.3	1.5	168	1.7
	Manipur	177	4	2.6	2.1	0.5	38	0.0
	Meghalaya	305	0	5.2	3.1	0.1	84	0.4
	Mizoram	92	2	1.8	1.3	0.4	23	0.0
	Nagaland	122	3	2.1	2.1	-0.1	22	0.0
	Tripura	289	6	5.1	4.7	0.6	69	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	8.1	-11.0	-26.3
Day peak (MW)	553.8	-563.4	-1137.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	215.3	-250.9	80.4	-34.7	-9.8	0.3
Actual(MU)	214.0	-248.8	73.9	-30.9	-9.0	-0.8
O/D/U/D(MU)	-1.3	2.1	-6.5	3.8	0.8	-1.1

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4276	15909	6812	1370	35	28402
State Sector	8770	11306	3520	4005	50	27651
Total	13046	27215	10332	5375	85	56053

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	597	1266	632	493	17	3004
Lignite	24	14	53	0	0	91
Hydro	295	59	64	67	15	499
Nuclear	27	31	57	0	0	115
Gas, Naptha & Diesel	35	60	15	0	30	141
RES (Wind, Solar, Biomass & Others)	42	113	166	1	0	322
Total	1021	1543	986	561	61	4171

Share of RES in total generation (%)	4.09	7.34	16.82	0.19	0.07	7.72
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	35.64	13.16	29.05	12.08	24.43	22.44

H. Diversity Factor

All India Demand Diversity Factor	1.034

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 : **22-May-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	175	140	0.0	0.8	-0.8
2		SASARAM-FATEHPUR	S/C	107	124	0.0	0.6	-0.6
3		GAYA-BALIA	S/C	0	217	0.0	3.6	-3.6
4	**HVDC**	ALIPURDUAR-AGRA	-	0	503	0.0	12.4	-12.4
5		PUSAULI B/B	S/C	0	49	0.0	1.2	-1.2
6	**400 kV**	PUSAULI-VARANASI	S/C	0	88	0.0	1.4	-1.4
7		PUSAULI -ALLAHABAD	S/C	26	15	0.4	0.0	0.4
8		MUZAFFARPUR-GORAKHPUR	D/C	0	539	0.0	8.5	-8.5
9		PATNA-BALIA	Q/C	0	527	0.0	9.3	-9.3
10		BIHARSHARIFF-BALIA	D/C	0	265	0.0	4.6	-4.6
11		MOTIHARI-GORAKHPUR	D/C	0	316	0.0	5.9	-5.9
12		BIHARSHARIFF-VARANASI	D/C	101	134	0.0	0.8	-0.8
13	**220 kV**	PUSAULI-SAHUPURI	S/C	0	280	0.0	3.7	-3.7
14	**132 kV**	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	30	0	0.6	0.0	0.6
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	**1.0**	**52.9**	**-51.9**
Import/Export of ER (With WR)								
18	**765 kV**	JHARSUGUDA-DHARAMJAIGARH	Q/C	1366	0	23.2	0.0	23.2
19		NEW RANCHI-DHARAMJAIGARH	D/C	996	0	16.1	0.0	16.1
20		JHARSUGUDA-DURG	D/C	191	27	1.9	0.0	1.9
21	**400 kV**	JHARSUGUDA-RAIGARH	Q/C	333	0	4.5	0.0	4.5
22		RANCHI-SIPAT	D/C	318	0	5.6	0.0	5.6
23	**220 kV**	BUDHIPADAR-RAIGARH	S/C	0	85	0.0	1.0	-1.0
24		BUDHIPADAR-KORBA	D/C	142	0	2.6	0.0	2.6
					ER-WR	**53.8**	**1.0**	**52.9**
Import/Export of ER (With SR)								
25	**765 kV**	ANGUL-SRIKAKULAM	D/C	0.0	1348.0	0.0	21.1	-21.1
26	**HVDC LINK**	JEYPORE-GAZUWAKA B/B	D/C	0.0	519.0	0.0	12.1	-12.1
27		TALCHER-KOLAR BIPOLE	D/C	0.0	1784.0	0.0	43.1	-43.1
28	**400 kV**	TALCHER-I/C	D/C	46.0	117.0	0.0	1.3	-1.3
29	**220 kV**	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
					ER-SR	**0.0**	**76.2**	**-76.2**
Import/Export of ER (With NER)								
30	**400 kV**	BINAGURI-BONGAIGAON	D/C	42	246	0.0	2.5	-2
31		ALIPURDUAR-BONGAIGAON	D/C	333	0	4.3	0.0	4
32	**220 kV**	ALIPURDUAR-SALAKATI	D/C	33	29	0.1	0.0	0
					ER-NER	**4.4**	**2.5**	**2.0**
Import/Export of NER (With NR)								
33	**HVDC**	BISWANATH CHARIALI-AGRA	-	0	402	0.0	7.6	-7.6
					NER-NR	**0.0**	**7.6**	**-7.6**
Import/Export of WR (With NR)								
34	**HVDC**	CHAMPA-KURUKSHETRA	D/C	0	1004	0.0	23.8	-23.8
35		V'CHAL B/B	D/C	206	0	6.2	0.0	6.2
36		APL -MHG	D/C	0	1358	0.0	33.9	-33.9
37	**765 kV**	GWALIOR-AGRA	D/C	0	2123	0.0	41.5	-41.5
38		PHAGI-GWALIOR	D/C	0	1284	0.0	23.3	-23.3
39		JABALPUR-ORAI	D/C	0	753	0.0	31.0	-31.0
40		GWALIOR-ORAI	S/C	437	0	7.8	0.0	7.8
41		SATNA-ORAI	S/C	0	1322	0.0	29.9	-29.9
42		CHITTORGARH-BANASKANTHA	D/C	0	513	0.0	6.2	6.2
43	**400 kV**	ZERDA-KANKROLI	S/C	72	45	0.4	0.0	0.4
44		ZERDA -BHINMAL	S/C	191	150	0.0	1.4	-1.4
45		V'CHAL -RIHAND	S/C	978	0	22.1	0.0	22.1
46		RAPP-SHUJALPUR	D/C	0	221	0	2	-2
47	**220 kV**	BHANPURA-KOTA	S/C	20	29	0.0	0.7	-0.7
48		BHANPURA-MORAK	S/C	0	91	0.0	1.5	-1.5
49		MEHGAON-AURAIYA	S/C	96	38	0.4	0.1	0.3
50		MALANPUR-AURAIYA	S/C	10	85	0.0	0.4	-0.4
51	**132kV**	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
					WR-NR	**36.9**	**195.3**	**-145.9**
Import/Export of WR (With SR)								
52	**HVDC LINK**	BHADRAWATI B/B	-	0	999	0.0	23.9	-23.9
53		BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
54	**765 kV**	SOLAPUR-RAICHUR	D/C	465	1656	0.0	12.2	-12.2
55		WARDHA-NIZAMABAD	D/C	108	1334	0.0	14.3	-14.3
56	**400 kV**	KOLHAPUR-KUDGI	D/C	669	18	8.6	0.0	8.6
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	53	1.1	0.0	1.1
					WR-SR	**9.7**	**50.4**	**-40.7**
TRANSNATIONAL EXCHANGE								
60		BHUTAN						**8.1**
61		NEPAL						**-11.0**
62		BANGLADESH						**-26.3**