



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: 05th 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., डोंगतिह, 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 04.06.2019.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 04-जून-2019 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 04th June 2019, is available at the NLDC website.

धन्यवाद,

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)	56703	51146	42188	20575	2485	173097
Peak Shortage (MW)	907	0	0	0	141	1048
Energy Met (MU)	1313	1247	971	452	46	4028
Hydro Gen (MU)	340	16	57	74	15	502
Wind Gen (MU)	32	120	127	-----	-----	279
Solar Gen (MU)*	29.80	0.00	79.28	2.42	0.02	112
Energy Shortage (MU)	10.3	0.0	0.0	0.0	1.6	11.9
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	61980 22:40	57042 15:47	43443 14:37	21640 23:33	2516 19:18	181522 22:44

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	0.088	0.30	5.36	15.81	21.47	63.90	14.63

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	8003	0	162.6	93.0	-2.1	98	0.0
	Haryana	8956	0	184.2	123.2	-0.2	238	0.0
	Rajasthan	12041	0	268.1	76.3	-0.1	544	0.0
	Delhi	6479	0	131.8	112.0	-0.5	218	0.1
	UP	20910	720	444.2	195.4	-0.5	446	0.0
	Uttarakhand	2164	0	46.6	17.8	-0.6	171	0.0
	HP	1393	0	28.1	1.6	0.0	467	0.1
	J&K	2284	571	42.4	24.4	-2.7	153	10.1
	Chandigarh	299	0	5.2	7.2	-2.1	34	0.0
WR	Chhattisgarh	3929	0	90.6	38.1	2.0	520	0.0
	Gujarat	18012	0	394.8	112.7	5.8	529	0.0
	MP	9798	0	223.0	111.7	0.0	719	0.0
	Maharashtra	22909	0	495.4	128.6	0.0	974	0.0
	Goa	541	0	12.3	11.2	0.5	41	0.0
	DD	340	0	7.5	7.3	0.2	38	0.0
	DNH	760	0	17.6	17.5	0.1	208	0.0
	Essar steel	292	0	5.8	5.8	0.0	263	0.0
SR	Andhra Pradesh	8907	0	183.4	42.4	0.9	492	0.0
	Telangana	7572	0	154.8	42.8	1.8	496	0.0
	Karnataka	9600	0	197.4	59.8	1.0	490	0.0
	Kerala	3913	0	82.5	62.0	1.3	197	0.0
	Tamil Nadu	15080	0	343.5	135.3	0.3	497	0.0
	Pondy	438	0	9.1	9.1	0.0	79	0.0
	Bihar	5245	0	104.1	100.3	0.0	90	0.0
ER	DVC	3041	0	66.5	-37.5	-0.9	60	0.0
	Jharkhand	1112	0	24.8	16.3	-0.8	80	0.0
	Odisha	4336	0	88.1	33.5	-1.2	310	0.0
	West Bengal	8280	0	167.4	46.3	1.4	230	0.0
	Sikkim	85	0	1.1	1.3	-0.3	15	0.0
	Arunachal Pradesh	120	3	2.2	2.2	0.1	20	0.0
NER	Assam	1560	40	26.6	21.6	0.8	107	1.6
	Manipur	160	4	2.5	2.0	0.5	31	0.0
	Meghalaya	318	5	5.8	3.2	-0.3	60	0.0
	Mizoram	92	6	1.9	1.3	0.2	14	0.0
	Nagaland	124	5	2.1	2.1	-0.1	32	0.0
	Tripura	254	8	4.5	3.6	0.1	64	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	8.4	-10.6	-17.8
Day peak (MW)	464.6	-524.1	-1050.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	231.7	-233.0	76.5	-75.6	0.3	-0.2
Actual(MU)	219.4	-237.9	91.6	-72.7	-1.7	-1.2
O/D/U/D(MU)	-12.3	-4.9	15.2	2.9	-1.9	-1.1

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4303	15465	9032	350	335	29485
State Sector	5835	13227	5600	2600	50	27312
Total	10138	28692	14632	2950	385	56797

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	612	1233	491	484	9	2829
Lignite	20	14	36	0	0	70
Hydro	340	16	57	74	15	502
Nuclear	27	18	47	0	0	92
Gas, Naptha & Diesel	42	56	16	0	28	141
RES (Wind, Solar, Biomass & Others)	77	154	237	2	0	471
Total	1118	1491	884	560	52	4104

Share of RES in total generation (%)	6.92	10.34	26.77	0.44	0.04	11.46
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	39.74	12.66	38.50	13.60	28.27	25.92

H. Diversity Factor

All India Demand Diversity Factor	1.028
-----------------------------------	-------

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.

INTER-REGIONAL EXCHANGES								Date of Reporting :	5-Jun-19
SI 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	98	475	0.0	3.3	-3.3	
2		SASARAM-FATEHPUR	S/C	96	252	0.0	1.3	-1.3	
3		GAYA-BALIA	S/C	0	376	0.0	4.2	-4.2	
4	HVDC	ALIPURDUAR-AGRA	-	0	500	0.0	12.5	-12.5	
5		PUSAULI B/B	S/C	0	49	0.0	1.3	-1.3	
6	400 kV	PUSAULI-VARANASI	S/C	0	109	0.0	1.9	-1.9	
7		PUSAULI -ALLAHABAD	S/C	51	1	0.8	0.0	0.8	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	644	0.0	6.7	-6.7	
9		PATNA-BALIA	Q/C	0	1029	0.0	16.5	-16.5	
10		BIHARSHARIFF-BALIA	D/C	0	490	0.0	8.6	-8.6	
11		MOTIHARI-GORAKHPUR	D/C	0	356	0.0	6.0	-6.0	
12	BIHARSHARIFF-VARANASI	D/C	157	189	0.0	0.5	-0.5		
13	220 kV	PUSAULI-SAHUPURI	S/C	0	181	0.0	3.4	-3.4	
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
15		GARWAH-RIHAND	S/C	30	0	0.3	0.0	0.3	
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	1.1	66.1	-65.0
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1095	0	18.4	0.0	18.4	
19		NEW RANCHI-DHARAMJAIGARH	D/C	754	0	12.0	0.0	12.0	
20		JHARSUGUDA-DURG	D/C	162	150	0.1	0.0	0.1	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	821	0	13.2	0.0	13.2	
22		RANCHI-SIPAT	D/C	259	0	4.7	0.0	4.7	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	47	48	0.1	0.0	0.1	
24		BUDHIPADAR-KORBA	D/C	145	0	2.3	0.0	2.3	
						ER-WR	50.5	0.0	50.5
Import/Export of ER (With SR)									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1700.0	0.0	28.9	-28.9	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	770.0	0.0	16.1	-16.1	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2462.0	0.0	46.5	-46.5	
28	400 kV	TALCHER-I/C	D/C	492.0	951.0	0.0	3.4	-3.4	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
						ER-SR	0.0	91.6	-91.6
Import/Export of ER (With NER)									
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	457	0.0	7.4	-7	
31		ALIPURDUAR-BONGAIGAON	D/C	201	220	0.0	1.6	-2	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	13	76	0.0	0.9	-1	
						ER-NER	0.0	9.9	-9.9
Import/Export of NER (With NR)									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	503	0.0	12.2	-12.2	
						NER-NR	0.0	12.2	-12.2
Import/Export of WR (With NR)									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1481	0.0	21.9	-21.9	
35		V'CHAL B/B	D/C	452	0	12.3	0.0	12.3	
36		APL -MHG	D/C	0	1730	0.0	36.5	-36.5	
37	765 kV	GWALIOR-AGRA	D/C	0	2262	0.0	42.6	-42.6	
38		PHAGI-GWALIOR	D/C	0	1168	0.0	19.7	-19.7	
39		JABALPUR-ORAI	D/C	0	859	0.0	31.8	-31.8	
40		GWALIOR-ORAI	S/C	0	0	0.0	0.0	0.0	
41		SATNA-ORAI	S/C	452	0	8.8	0.0	8.8	
42		CHITTORGARH-BANASKANTHA	D/C	19	471	0.0	3.8	3.8	
43	400 kV	ZERDA-KANKROLI	S/C	136	0	1.6	0.0	1.6	
44		ZERDA -BHINMAL	S/C	242	23	2.7	0.0	2.7	
45		V'CHAL -RIHAND	S/C	965	0	22.5	0.0	22.5	
46		RAPP-SHUJALPUR	D/C	33	310	0	1	-1	
47	220 kV	BHANPURA-RANPUR	S/C	15	45	0.0	1.2	-1.2	
48		BHANPURA-MORAK	S/C	0	127	0.0	2.2	-2.2	
49		MEHGAON-AURAIYA	S/C	48	0	0.5	0.0	0.5	
50	MALANPUR-AURAIYA	S/C	11	29	0.0	0.3	-0.3		
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						WR-NR	48.5	161.0	-105.0
Import/Export of WR (With SR)									
52	HVDC	BHADRAWATI B/B	-	0	979	0.0	20.2	-20.2	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	265	1169	0.0	10.4	-10.4	
55		WARDHA-NIZAMABAD	D/C	0	0	0.0	0.0	0.0	
56	400 kV	KOLHAPUR-KUDGI	D/C	537	379	5.7	0.0	5.7	
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	6.9	30.6	-23.7
TRANSNATIONAL EXCHANGE									
60		BHUTAN						8.4	
61		NEPAL						-10.6	
62		BANGLADESH						-17.8	