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: 18th June 2021

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. कार्यकारी निदेशक, ऊ. पू. क्षे. भा. प्रे. के., डोंगतिएह, लोअर नोंग्रह , लापलंग, शिलोंग – 793006
   Executive Director, 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 17.06.2021.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 17-जून-2021 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 17th June 2021, 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:** **18-Jun-2021**

A. Power Supply Position at All India and Regional level

	NR	WR	SR	ER	NER	TOTAL
Demand Met during Evening Peak hrs(MW) (at 20:00 hrs; from RLDCs)	55134	45878	38254	20133	2925	162324
Peak Shortage (MW)	267	0	0	0	6	273
Energy Met (MU)	1288	1116	901	415	56	3776
Hydro Gen (MU)	341	56	90	116	23	625
Wind Gen (MU)	16	98	235	-	-	349
Solar Gen (MU)*	35.52	27.66	83.22	4.84	0.22	151
Energy Shortage (MU)	3.45	0.00	0.00	0.00	0.04	3.49
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	59930	48170	40975	20406	3040	164684
Time Of Maximum Demand Met (From NLDC SCADA)	22:38	11:37	09:46	20:44	19:03	22:26

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	3.59	3.59	78.69	17.72

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	11428	0	255.4	163.3	-1.7	98	0.00
	Haryana	8953	0	189.1	145.7	-0.1	241	0.00
	Rajasthan	10988	0	239.2	106.2	1.9	691	0.00
	Delhi	5265	0	108.5	95.9	-2.0	161	0.00
	UP	19279	0	374.8	160.3	-3.1	226	0.00
	Uttarakhand	1896	0	42.1	15.0	0.8	109	0.00
	HP	1336	0	27.9	-3.8	0.7	202	0.00
	J&K(UT) & Ladakh(UT)	2252	250	45.9	20.3	0.9	386	3.45
	Chandigarh	260	0	5.2	5.5	-0.3	6	0.00
WR	Chhattisgarh	3242	0	79.5	27.8	-0.2	200	0.00
	Gujarat	16053	0	352.8	172.4	-0.9	605	0.00
	MP	8618	0	196.7	105.2	-0.1	585	0.00
	Maharashtra	19858	0	430.7	143.7	-3.6	813	0.00
	Goa	517	0	10.9	8.5	1.8	45	0.00
	DD	316	0	6.8	6.8	0.0	23	0.00
	DNH	797	0	18.5	18.4	0.1	39	0.00
	AMNSIL	878	0	19.7	2.4	0.0	272	0.00
SR	Andhra Pradesh	8596	0	182.5	57.9	-0.8	478	0.00
	Telangana	7573	0	161.6	66.5	1.0	510	0.00
	Karnataka	8077	0	153.7	37.7	-1.9	852	0.00
	Kerala	3168	0	64.5	33.5	0.0	219	0.00
	Tamil Nadu	14893	0	330.9	124.8	-1.8	468	0.00
	Puducherry	398	0	8.3	8.4	-0.2	39	0.00
ER	Bihar	5458	0	93.9	92.8	0.9	494	0.00
	DVC	3039	0	65.6	-39.1	0.1	290	0.00
	Jharkhand	1367	0	24.4	21.1	-1.7	212	0.00
	Odisha	4685	0	94.7	26.6	0.1	325	0.00
	West Bengal	6752	0	135.2	31.2	-0.9	263	0.00
	Sikkim	89	0	1.4	0.9	0.5	58	0.00
NER	Arunachal Pradesh	131	0	2.1	2.0	0.0	81	0.01
	Assam	1936	3	37.0	31.8	1.1	148	0.00
	Manipur	189	1	2.6	2.5	0.1	28	0.01
	Meghalaya	304	0	5.4	2.0	0.0	107	0.00
	Mizoram	104	1	1.7	1.6	0.0	20	0.01
	Nagaland	139	1	2.6	2.7	-0.1	13	0.01
	Tripura	264	1	4.6	3.8	-0.1	29	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	44.5	-7.5	-24.6
Day Peak (MW)	2026.0	-488.2	-1061.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	342.8	-191.4	2.5	-157.7	3.8	0.0
Actual(MU)	320.0	-181.8	0.5	-148.9	5.0	-5.2
O/D/U/D(MU)	-22.8	9.6	-2.0	8.8	1.2	-5.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	7096	18828	8372	410	888	35594	42
State Sector	11128	19663	13848	4867	11	49517	58
Total	18224	38491	22220	5277	900	85111	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	484	1058	358	479	11	2389	62
Lignite	26	11	52	0	0	88	2
Hydro	341	56	90	116	23	625	16
Nuclear	31	33	58	0	0	122	3
Gas, Naptha & Diesel	24	30	13	0	23	90	2
RES (Wind, Solar, Biomass & Others)	69	126	343	5	0	544	14
Total	974	1314	914	599	57	3858	100

Share of RES in total generation (%)	7.12	9.59	37.54	0.80	0.39	14.09
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	45.22	16.31	53.76	20.12	40.92	33.44

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.048
Based on State Max Demands	1.088

Diversity factor = Sum of regional or state maximum demands / All India maximum demand

***Source: RLDCs for solar connected to ISTS; SLDCs for embedded solar. Limited visibility of embedded solar data.**

Executive Director-NLDC

INTER-REGIONAL EXCHANGES

Import=(+ve) /Export =(-ve) for NET (MU)

Date of Reporting: 18-Jun-2021

Sl No	Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
Import/Export of ER (With NR)								
1	HVDC	ALIPURDUAR-AGRA	2	0	802	0.0	19.2	-19.2
2	HVDC	PUSAULI B/B	-	0	249	0.0	6.0	-6.0
3	765 kV	GAYA-VARANASI	2	0	1023	0.0	17.4	-17.4
4	765 kV	SASARAM-FATEHPUR	1	0	354	0.0	5.2	-5.2
5	765 kV	GAYA-BALIA	1	0	646	0.0	11.3	-11.3
6	400 kV	PUSAULI-VARANASI	1	0	189	0.0	3.7	-3.7
7	400 kV	PUSAULI -ALLAHABAD	1	0	119	0.0	2.1	-2.1
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	742	0.0	13.2	-13.2
9	400 kV	PATNA-BALIA	4	0	1214	0.0	19.6	-19.6
10	400 kV	BIHARSHARIFF-BALIA	2	0	431	0.0	7.7	-7.7
11	400 kV	MOTIHARI-GORAKHPUR	2	0	454	0.0	7.7	-7.7
12	400 kV	BIHARSHARIFF-VARANASI	2	0	400	0.0	6.4	-6.4
13	220 kV	PUSAULI-SAHUPURI	1	33	119	0.0	1.3	-1.3
14	132 kV	SONE NAGAR-RIHAND	1	0	0	0.0	0.0	0.0
15	132 kV	GARWAH-RIHAND	1	20	0	0.2	0.0	0.2
16	132 kV	KARMANASA-SAHUPURI	1	0	0	0.0	0.0	0.0
17	132 kV	KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0
					ER-NR	0.2	120.6	-120.4
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	586	452	0.0	0.3	-0.3
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1033	0	15.7	0.0	15.7
3	765 kV	JHARSUGUDA-DURG	2	171	166	0.0	0.5	-0.5
4	400 kV	JHARSUGUDA-RAIGARH	4	353	35	3.9	0.0	3.9
5	400 kV	RANCHI-SIPAT	2	356	0	5.3	0.0	5.3
6	220 kV	BUDHIPADAR-RAIGARH	1	0	124	0.0	1.7	-1.7
7	220 kV	BUDHIPADAR-KORBA	2	84	0	1.0	0.0	1.0
					ER-WR	25.9	2.4	23.5
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	92	134	0.2	0.0	0.2
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1634	0.0	35.4	-35.4
3	765 kV	ANGUL-SRIKAKULAM	2	0	2334	0.0	43.7	-43.7
4	400 kV	TALCHER-I/C	2	620	295	3.2	0.0	3.2
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
					ER-SR	0.2	79.2	-79.0
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	0	392	0.0	6.0	-6.0
2	400 kV	ALIPURDUAR-BONGAIGAON	2	0	491	0.0	7.1	-7.1
3	220 kV	ALIPURDUAR-SALAKATI	2	0	143	0.0	2.4	-2.4
					ER-NER	0.0	15.5	-15.5
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	503	0.0	12.3	-12.3
					NER-NR	0.0	12.3	-12.3
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	3529	0.0	55.7	-55.7
2	HVDC	VINDHYACHAL B/B	-	0	0	0.0	0.0	0.0
3	HVDC	MUNDRA-MOHINDERGARH	2	0	979	0.0	18.2	-18.2
4	765 kV	GWALIOR-AGRA	2	0	2682	0.0	50.9	-50.9
5	765 kV	PHAGI-GWALIOR	2	0	2356	0.0	46.0	-46.0
6	765 kV	JABALPUR-ORAI	2	961	1167	0.0	36.4	-36.4
7	765 kV	GWALIOR-ORAI	1	703	0	13.7	0.0	13.7
8	765 kV	SATNA-ORAI	1	0	1563	0.0	33.2	-33.2
9	765 kV	CHITORGARH-BANASKANTHA	2	1447	148	14.5	0.0	14.5
10	400 kV	ZERDA-KANKROLI	1	289	25	3.1	0.0	3.1
11	400 kV	ZERDA -BHINMAL	1	509	73	5.5	0.0	5.5
12	400 kV	VINDHYACHAL -RIHAND	1	962	0	22.1	0.0	22.1
13	400 kV	RAPP-SHUJALPUR	2	0	751	0.0	11.3	-11.3
14	220 kV	BHANPURA-RANPUR	1	0	118	0.0	1.9	-1.9
15	220 kV	BHANPURA-MORAK	1	0	30	0.0	1.3	-1.3
16	220 kV	MEHGAON-AURAIYA	1	76	12	0.1	0.3	-0.2
17	220 kV	MALANPUR-AURAIYA	1	43	34	0.4	0.0	0.4
18	132 kV	GWALIOR-SAWAI MADHOPUR	1	0	0	0.0	0.0	0.0
19	132 kV	RAJGHAT-LALITPUR	2	0	0	0.0	0.0	0.0
					WR-NR	59.5	255.2	-195.7
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	767	0	12.4	0.0	12.4
2	HVDC	RAIGARH-PUGALUR	2	776	302	8.6	0.0	8.6
3	765 kV	SOLAPUR-RAICHUR	2	2471	313	20.0	0.0	20.0
4	765 kV	WARDHA-NIZAMABAD	2	100	1813	0.0	23.8	-23.8
5	400 kV	KOLHAPUR-KUDGI	2	1409	0	20.6	0.0	20.6
6	220 kV	KOLHAPUR-CHIKODI	2	0	0	0.0	0.0	0.0
7	220 kV	PONDA-AMBEWADI	1	0	0	0.0	0.0	0.0
8	220 kV	XELDEM-AMBEWADI	1	0	70	1.2	0.0	1.2
					WR-SR	62.8	23.8	39.0

INTERNATIONAL EXCHANGES

Import(+ve)/Export(-ve)

State	Region	Line Name	Max (MW)	Min (MW)	Avg (MW)	Energy Exchange (MU)
BHUTAN	ER	400kV MANGDECHHU-ALIPURDUAR 1&2 i.e. ALIPURDUAR RECEIPT (from MANGDECHU HEP 4*180MW)	585	0	559	13.4
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	1022	1007	1022	24.7
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	312	0	181	4.4
	NER	132KV-GEYLEGPHU - SALAKATI	40	30	-35	-0.8
	NER	132kV Motanga-Rangia	67	47	-52	-1.3
NEPAL	NR	132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG)	-72	0	-42	-1.0
	ER	400KV-MUZAFFARPUR - DHALKEBAR DC	-250	-84	-158	-3.8
	ER	132KV-BIHAR - NEPAL	-166	-59	-114	-2.7
BANGLADESH	ER	BHERAMARA HVDC(BANGLADESH)	-927	-903	-907	-21.8
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	-67	0	-59	-1.4
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	-67	0	-59	-1.4