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: 15th 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 14.06.2021.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 14-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 14th 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:** **15-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)	55518	47956	36274	20716	2968	163432
Peak Shortage (MW)	200	0	0	0	3	203
Energy Met (MU)	1281	1164	838	452	54	3789
Hydro Gen (MU)	344	65	75	124	27	636
Wind Gen (MU)	31	140	237	-	-	408
Solar Gen (MU)*	48.20	33.24	73.08	4.69	0.22	159
Energy Shortage (MU)	3.77	0.00	0.00	0.00	0.04	3.81
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	60301	51833	38934	20952	3154	167182
Time Of Maximum Demand Met (From NLDC SCADA)	23:06	15:36	09:43	21:00	20:30	11:48

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	0.033	0.00	0.31	6.61	6.92	78.57	14.51

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	10995	0	239.1	153.7	-0.7	131	0.00
	Haryana	8889	0	180.8	135.5	-0.2	245	0.00
	Rajasthan	11899	0	253.7	107.4	3.7	742	0.00
	Delhi	5677	0	110.2	96.6	-0.9	237	0.00
	UP	19440	0	373.6	157.5	-1.4	352	0.32
	Uttarakhand	1919	0	40.9	15.1	0.7	107	0.00
	HP	1445	0	30.8	-1.7	0.4	104	0.00
	J&K(UT) & Ladakh(UT)	2263	250	46.3	21.7	-0.1	326	3.45
	Chandigarh	260	0	5.2	5.3	-0.1	18	0.00
WR	Chhattisgarh	3335	0	78.1	24.8	-0.6	557	0.00
	Gujarat	18093	0	382.8	155.3	2.4	1003	0.00
	MP	8651	0	192.5	102.5	-0.5	580	0.00
	Maharashtra	21093	0	454.7	166.3	0.6	917	0.00
	Goa	521	0	11.2	8.9	1.6	28	0.00
	DD	311	0	6.6	6.3	0.3	33	0.00
	DNH	782	0	18.1	17.8	0.3	51	0.00
	AMNSIL	894	0	20.0	2.7	0.6	297	0.00
SR	Andhra Pradesh	8184	0	175.2	39.7	0.1	581	0.00
	Telangana	6584	0	137.3	54.6	-1.1	495	0.00
	Karnataka	9244	0	168.3	57.8	-0.3	705	0.00
	Kerala	2993	0	59.5	33.8	-0.6	228	0.00
	Tamil Nadu	13513	0	289.3	125.0	-4.0	598	0.00
	Puducherry	378	0	7.9	8.1	-0.2	25	0.00
ER	Bihar	5475	0	101.8	95.5	-1.6	466	0.00
	DVC	3046	0	66.0	-39.3	-0.2	272	0.00
	Jharkhand	1467	0	26.0	24.1	-2.8	142	0.00
	Odisha	4896	0	102.5	36.7	-0.4	320	0.00
	West Bengal	7649	0	154.8	53.7	0.0	436	0.00
	Sikkim	82	0	1.3	1.2	0.0	35	0.00
NER	Arunachal Pradesh	132	0	2.4	2.3	-0.1	58	0.01
	Assam	1910	0	34.2	29.1	0.3	123	0.00
	Manipur	198	1	2.6	2.6	0.0	25	0.01
	Meghalaya	312	0	5.6	2.0	-0.2	30	0.00
	Mizoram	104	1	1.7	1.6	0.0	14	0.01
	Nagaland	141	1	2.5	2.7	-0.2	11	0.01
	Tripura	289	0	5.0	4.6	0.0	65	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	48.2	-4.4	-25.1
Day Peak (MW)	2077.0	-425.1	-1068.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	314.2	-192.2	11.8	-133.3	-0.5	0.0
Actual(MU)	298.1	-177.7	5.5	-129.6	-1.3	-5.0
O/D/U/D(MU)	-16.2	14.6	-6.3	3.7	-0.8	-5.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	6686	19458	8872	0	738	35754	41
State Sector	11473	20833	13848	5107	11	51272	59
Total	18159	40291	22720	5107	750	87026	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	475	1037	309	492	11	2324	60
Lignite	26	11	49	0	0	85	2
Hydro	344	65	75	124	27	636	16
Nuclear	30	32	66	0	0	128	3
Gas, Naptha & Diesel	27	38	13	0	23	101	3
RES (Wind, Solar, Biomass & Others)	97	174	334	5	0	610	16
Total	999	1357	845	621	61	3883	100

Share of RES in total generation (%)	9.75	12.80	39.51	0.76	0.36	15.70
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	47.17	19.99	56.14	20.79	44.42	35.36

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.048
Based on State Max Demands	1.095

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: 15-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	807	0.0	20.7	-20.7
2	HVDC	PUSAULI B/B	-	0	248	0.0	6.1	-6.1
3	765 kV	GAYA-VARANASI	2	0	920	0.0	14.0	-14.0
4	765 kV	SASARAM-FATEHPUR	1	0	343	0.0	4.0	-4.0
5	765 kV	GAYA-BALIA	1	0	533	0.0	8.4	-8.4
6	400 kV	PUSAULI-VARANASI	1	0	189	0.0	3.9	-3.9
7	400 kV	PUSAULI -ALLAHABAD	1	0	140	0.0	2.1	-2.1
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	754	0.0	11.9	-11.9
9	400 kV	PATNA-BALIA	4	0	1168	0.0	19.1	-19.1
10	400 kV	BIHARSHARIFF-BALIA	2	0	385	0.0	6.1	-6.1
11	400 kV	MOTIHARI-GORAKHPUR	2	0	488	0.0	7.4	-7.4
12	400 kV	BIHARSHARIFF-VARANASI	2	0	329	0.0	3.7	-3.7
13	220 kV	PUSAULI-SAHUPURI	1	42	96	0.0	1.0	-1.0
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	108.4	-108.3
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	977	53	5.9	0.0	5.9
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	968	83	13.0	0.0	13.0
3	765 kV	JHARSUGUDA-DURG	2	127	238	0.0	1.2	-1.2
4	400 kV	JHARSUGUDA-RAIGARH	4	218	132	1.3	0.0	1.3
5	400 kV	RANCHI-SIPAT	2	293	7	4.7	0.0	4.7
6	220 kV	BUDHIPADAR-RAIGARH	1	1	119	0.0	1.7	-1.7
7	220 kV	BUDHIPADAR-KORBA	2	122	0	1.7	0.0	1.7
					ER-WR	26.5	2.9	23.6
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	254	134	1.3	0.0	1.3
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1640	0.0	39.6	-39.6
3	765 kV	ANGUL-SRIKAKULAM	2	0	2644	0.0	43.6	-43.6
4	400 kV	TALCHER-I/C	2	193	327	2.4	0.0	2.4
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
					ER-SR	1.3	83.2	-81.9
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	18	352	0.0	3.4	-3.4
2	400 kV	ALIPURDUAR-BONGAIGAON	2	105	422	0.0	3.8	-3.8
3	220 kV	ALIPURDUAR-SALAKATI	2	0	141	0.0	1.9	-1.9
					ER-NER	0.0	9.1	-9.1
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	506	0.0	12.1	-12.1
					NER-NR	0.0	12.1	-12.1
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	3026	0.0	53.0	-53.0
2	HVDC	VINDHYACHAL B/B	-	0	0	0.0	0.0	0.0
3	HVDC	MUNDRA-MOHINDERGARH	2	0	1732	0.0	32.5	-32.5
4	765 kV	GWALIOR-AGRA	2	0	2656	0.0	43.4	-43.4
5	765 kV	PHAGI-GWALIOR	2	0	2134	0.0	37.8	-37.8
6	765 kV	JABALPUR-ORAI	2	747	1092	0.0	35.5	-35.5
7	765 kV	GWALIOR-ORAI	1	728	0	13.9	0.0	13.9
8	765 kV	SATNA-ORAI	1	0	1559	0.0	31.8	-31.8
9	765 kV	CHITORGARH-BANASKANTHA	2	1267	69	12.7	0.0	12.6
10	400 kV	ZERDA-KANKROLI	1	300	8	3.7	0.0	3.7
11	400 kV	ZERDA -BHINMAL	1	450	77	6.3	0.0	6.3
12	400 kV	VINDHYACHAL -RIHAND	1	949	0	21.9	0.0	21.9
13	400 kV	RAPP-SHUJALPUR	2	0	646	0.0	8.9	-8.9
14	220 kV	BHANPURA-RANPUR	1	0	100	0.0	1.8	-1.8
15	220 kV	BHANPURA-MORAK	1	0	30	0.0	1.3	-1.3
16	220 kV	MEHGAON-AURAIYA	1	86	0	0.2	0.2	0.0
17	220 kV	MALANPUR-AURAIYA	1	54	23	0.7	0.0	0.7
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	59.4	246.3	-186.9
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	300	0	7.3	0.0	7.3
2	HVDC	RAIGARH-PUGALUR	2	573	0	5.5	0.0	5.5
3	765 kV	SOLAPUR-RAICHUR	2	1658	588	18.4	0.0	18.4
4	765 kV	WARDHA-NIZAMABAD	2	0	1729	0.0	17.7	-17.7
5	400 kV	KOLHAPUR-KUDGI	2	1067	0	17.6	0.0	17.6
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	77	1.6	0.0	1.6
					WR-SR	50.3	17.7	32.6

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)	658	646	653	15.7
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	1029	1019	1024	24.6
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	281	0	243	5.8
	NER	132KV-GEYLEGPHU - SALAKATI	45	32	-39	-0.9
	NER	132kV Motanga-Rangia	64	26	-49	-1.2
NEPAL	NR	132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG)	-65	0	-45	-1.1
	ER	400KV-MUZAFFARPUR - DHALKEBAR DC	-218	-2	-97	-2.3
	ER	132KV-BIHAR - NEPAL	-142	0	-44	-1.0
BANGLADESH	ER	BHERAMARA HVDC(BANGLADESH)	-932	-903	-924	-22.2
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	-68	0	-62	-1.5
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	-68	0	-62	-1.5