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: 14th 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 13.06.2021.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 13-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 13th 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:** **14-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)	50962	44811	33372	20908	2850	152903
Peak Shortage (MW)	200	0	0	0	2	202
Energy Met (MU)	1163	1100	820	451	53	3587
Hydro Gen (MU)	347	47	66	121	25	606
Wind Gen (MU)	42	152	231	-	-	425
Solar Gen (MU)*	48.45	32.96	80.77	4.82	0.19	167
Energy Shortage (MU)	3.63	0.00	0.00	0.00	0.04	3.67
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	58199	46830	36040	21896	3040	161436
Time Of Maximum Demand Met (From NLDC SCADA)	22:23	14:43	09:23	22:18	19:43	22:29

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	0.027	0.00	0.00	2.82	2.82	76.87	20.31

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	10724	0	206.3	138.3	-10.8	195	0.00
	Haryana	7505	0	143.5	106.5	-5.1	483	0.18
	Rajasthan	11779	0	247.6	101.6	1.9	499	0.00
	Delhi	5057	0	97.3	83.6	-1.2	224	0.00
	UP	18734	0	360.3	153.1	-3.5	377	0.00
	Uttarakhand	1666	0	36.8	11.1	-0.8	123	0.00
	HP	1115	0	28.0	-6.5	0.7	148	0.00
	J&K(UT) & Ladakh(UT)	2163	250	39.2	13.6	0.9	579	3.45
	Chandigarh	261	0	4.3	5.8	-1.5	22	0.00
WR	Chhattisgarh	3280	0	79.2	28.2	0.4	245	0.00
	Gujarat	16702	0	362.1	143.3	2.9	775	0.00
	MP	8384	0	186.2	101.8	-1.7	509	0.00
	Maharashtra	18565	0	419.1	153.8	-0.9	700	0.00
	Goa	487	0	10.6	8.1	2.0	46	0.00
	DD	284	0	6.0	6.0	0.0	28	0.00
	DNH	762	0	17.6	17.5	0.1	46	0.00
	AMNSIL	856	0	18.8	0.8	0.8	308	0.00
SR	Andhra Pradesh	7682	0	170.5	40.8	0.8	594	0.00
	Telangana	6565	0	139.2	55.9	-0.2	561	0.00
	Karnataka	8280	0	162.3	45.8	0.9	703	0.00
	Kerala	2809	0	58.1	37.9	0.1	242	0.00
	Tamil Nadu	12115	0	282.8	121.1	-1.7	349	0.00
	Puducherry	359	0	7.4	7.8	-0.4	23	0.00
ER	Bihar	5595	0	101.9	93.3	0.4	518	0.00
	DVC	3074	0	66.8	-29.8	-0.3	399	0.00
	Jharkhand	1528	0	25.7	23.8	-2.5	183	0.00
	Odisha	4792	0	106.0	46.6	-1.7	594	0.00
	West Bengal	7611	0	149.3	56.0	0.4	449	0.00
	Sikkim	75	0	1.1	1.1	0.0	49	0.00
NER	Arunachal Pradesh	123	1	2.5	2.4	-0.1	16	0.01
	Assam	1850	0	34.3	29.2	0.6	164	0.00
	Manipur	198	1	2.6	2.6	0.0	15	0.01
	Meghalaya	306	0	5.3	3.2	-0.2	23	0.00
	Mizoram	88	1	1.5	1.6	-0.2	13	0.01
	Nagaland	132	1	2.4	2.6	-0.2	14	0.01
	Tripura	272	0	4.8	4.3	0.1	82	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	48.6	-4.5	-25.2
Day Peak (MW)	2085.0	-360.3	-1065.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	248.7	-177.4	16.9	-89.1	0.9	0.0
Actual(MU)	206.3	-150.0	17.3	-79.4	2.3	-3.5
O/D/U/D(MU)	-42.4	27.4	0.4	9.8	1.3	-3.5

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	6456	19708	9742	0	738	36644	41
State Sector	11573	21265	14058	5497	11	52404	59
Total	18029	40973	23800	5497	750	89048	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	444	955	288	436	10	2133	58
Lignite	20	11	42	0	0	73	2
Hydro	347	47	66	121	25	606	17
Nuclear	30	32	66	0	0	128	3
Gas, Naptha & Diesel	28	30	13	0	23	94	3
RES (Wind, Solar, Biomass & Others)	111	185	335	5	0	636	17
Total	979	1260	810	562	57	3670	100

Share of RES in total generation (%)	11.29	14.70	41.33	0.86	0.33	17.32
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	49.74	21.01	57.60	22.38	43.44	37.32

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.028
Based on State Max Demands	1.064

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: 14-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	19.5	-19.5
2	HVDC	PUSAULI B/B	-	0	248	0.0	5.9	-5.9
3	765 kV	GAYA-VARANASI	2	156	754	0.0	5.2	-5.2
4	765 kV	SASARAM-FATEHPUR	1	105	194	0.0	0.3	-0.3
5	765 kV	GAYA-BALIA	1	0	539	0.0	6.7	-6.7
6	400 kV	PUSAULI-VARANASI	1	0	219	0.0	4.4	-4.4
7	400 kV	PUSAULI -ALLAHABAD	1	0	95	0.0	1.4	-1.4
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	591	0.0	8.7	-8.7
9	400 kV	PATNA-BALIA	4	0	975	0.0	15.2	-15.2
10	400 kV	BIHARSHARIFF-BALIA	2	0	309	0.0	5.6	-5.6
11	400 kV	MOTIHARI-GORAKHPUR	2	0	364	0.0	4.8	-4.8
12	400 kV	BIHARSHARIFF-VARANASI	2	123	262	0.0	1.2	-1.2
13	220 kV	PUSAULI-SAHUPURI	1	19	88	0.0	0.8	-0.8
14	132 kV	SONE NAGAR-RIHAND	1	0	0	0.0	0.0	0.0
15	132 kV	GARWAH-RIHAND	1	20	0	0.3	0.0	0.3
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	0.3	79.6	-79.3
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	1311	0	17.9	0.0	17.9
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1185	0	19.0	0.0	19.0
3	765 kV	JHARSUGUDA-DURG	2	150	57	0.5	0.0	0.5
4	400 kV	JHARSUGUDA-RAIGARH	4	277	0	3.5	0.0	3.5
5	400 kV	RANCHI-SIPAT	2	346	0	5.9	0.0	5.9
6	220 kV	BUDHIPADAR-RAIGARH	1	0	93	0.0	1.3	-1.3
7	220 kV	BUDHIPADAR-KORBA	2	157	0	2.2	0.0	2.2
					ER-WR	49.0	1.3	47.7
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	254	133	3.8	0.0	3.8
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1636	0.0	32.6	-32.6
3	765 kV	ANGUL-SRIKAKULAM	2	0	2297	0.0	42.7	-42.7
4	400 kV	TALCHER-I/C	2	734	633	0.0	0.2	-0.2
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
					ER-SR	3.8	75.3	-71.5
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	0	364	0.0	4.6	-4.6
2	400 kV	ALIPURDUAR-BONGAIGAON	2	0	462	0.0	5.9	-5.9
3	220 kV	ALIPURDUAR-SALAKATI	2	0	127	0.0	1.9	-1.9
					ER-NER	0.0	12.4	-12.4
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	503	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	2511	0.0	27.3	-27.3
2	HVDC	VINDHYACHAL B/B	-	0	0	0.0	0.0	0.0
3	HVDC	MUNDRA-MOHINDERGARH	2	0	1263	0.0	30.4	-30.4
4	765 kV	GWALIOR-AGRA	2	0	2513	0.0	31.6	-31.6
5	765 kV	PHAGI-GWALIOR	2	0	2148	0.0	29.3	-29.3
6	765 kV	JABALPUR-ORAI	2	0	1116	0.0	25.4	-25.4
7	765 kV	GWALIOR-ORAI	1	578	0	10.1	0.0	10.1
8	765 kV	SATNA-ORAI	1	0	1601	0.0	26.6	-26.6
9	765 kV	CHITORGARH-BANASKANTHA	2	1442	503	13.9	0.0	13.9
10	400 kV	ZERDA-KANKROLI	1	330	70	4.4	0.0	4.4
11	400 kV	ZERDA -BHINMAL	1	567	126	7.6	0.0	7.6
12	400 kV	VINDHYACHAL -RIHAND	1	956	0	21.0	0.0	21.0
13	400 kV	RAPP-SHUJALPUR	2	37	689	0.0	5.3	-5.2
14	220 kV	BHANPURA-RANPUR	1	0	88	0.0	1.6	-1.6
15	220 kV	BHANPURA-MORAK	1	0	30	0.0	1.1	-1.1
16	220 kV	MEHGAON-AURAIYA	1	78	8	0.2	0.2	0.0
17	220 kV	MALANPUR-AURAIYA	1	52	36	0.6	0.0	0.6
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	57.8	178.7	-120.8
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	493	0	11.0	0.0	11.0
2	HVDC	RAIGARH-PUGALUR	2	287	600	0.6	0.0	0.6
3	765 kV	SOLAPUR-RAICHUR	2	1793	496	12.6	0.0	12.6
4	765 kV	WARDHA-NIZAMABAD	2	84	1999	0.0	23.0	-23.0
5	400 kV	KOLHAPUR-KUDGI	2	948	0	17.3	0.0	17.3
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	1	70	0.5	0.0	0.5
					WR-SR	42.0	23.0	18.9

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)	669	652	652	15.6
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	1034	1022	1033	24.8
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	283	0	248	6.0
	NER	132KV-GEYLEGPHU - SALAKATI	48	40	-44	-1.1
	NER	132kV Motanga-Rangia	51	44	-48	-1.2
NEPAL	NR	132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG)	-71	0	-50	-1.2
	ER	400KV-MUZAFFARPUR - DHALKEBAR DC	-153	-2	-113	-2.7
	ER	132KV-BIHAR - NEPAL	-136	-1	-23	-0.6
BANGLADESH	ER	BHERAMARA HVDC(BANGLADESH)	-921	0	-916	-22.0
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	-72	0	-68	-1.6
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	-72	0	-68	-1.6