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: 13th 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 12.06.2021.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 12-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 12th 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:** **13-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)	53776	47140	35488	20661	2832	159897
Peak Shortage (MW)	208	0	0	0	2	210
Energy Met (MU)	1280	1120	875	443	53	3770
Hydro Gen (MU)	342	53	65	112	20	591
Wind Gen (MU)	54	157	233	-	-	444
Solar Gen (MU)*	50.09	34.19	87.93	4.85	0.14	177
Energy Shortage (MU)	4.60	0.00	0.00	0.00	0.04	4.64
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	61724	47939	39256	21908	3098	164112
Time Of Maximum Demand Met (From NLDC SCADA)	00:00	14:53	09:17	21:31	20:00	00:00

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	0.043	0.00	0.02	5.44	5.46	71.37	23.17

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	11382	0	237.3	157.3	-1.5	160	0.00
	Haryana	8870	175	178.5	127.7	-2.6	335	0.99
	Rajasthan	12594	0	271.0	106.5	-0.7	538	0.00
	Delhi	5721	0	110.2	94.4	0.7	274	0.03
	UP	19750	0	369.0	154.7	-3.4	543	0.13
	Uttarakhand	1813	0	36.2	10.7	-0.5	199	0.00
	HP	1295	0	28.7	-6.2	1.7	302	0.00
	J&K(UT) & Ladakh(UT)	2289	250	44.3	18.9	0.8	355	3.45
	Chandigarh	269	0	5.2	6.1	-0.9	0	0.00
WR	Chhattisgarh	3265	0	77.7	27.0	-0.5	226	0.00
	Gujarat	17610	0	371.8	146.8	0.6	505	0.00
	MP	8577	0	193.2	112.0	-1.0	465	0.00
	Maharashtra	19038	0	422.1	148.1	0.6	663	0.00
	Goa	525	0	11.5	9.6	1.6	82	0.00
	DD	312	0	7.0	6.7	0.3	22	0.00
	DNH	756	0	17.2	17.1	0.1	85	0.00
	AMNSIL	866	0	19.1	1.3	0.7	276	0.00
SR	Andhra Pradesh	7790	0	171.1	45.8	0.9	608	0.00
	Telangana	6606	0	140.7	52.1	-0.1	654	0.00
	Karnataka	9691	0	179.5	51.9	0.0	654	0.00
	Kerala	3003	0	63.6	41.7	0.3	259	0.00
	Tamil Nadu	14059	0	311.6	134.6	-0.9	747	0.00
	Puducherry	388	0	8.2	8.5	-0.3	66	0.00
ER	Bihar	5655	0	98.7	89.7	-2.1	220	0.00
	DVC	3087	0	66.9	-37.2	0.0	254	0.00
	Jharkhand	1446	0	25.6	23.6	-2.9	155	0.00
	Odisha	4864	0	96.3	33.1	-0.6	389	0.00
	West Bengal	7681	0	154.0	48.7	0.4	408	0.00
	Sikkim	82	0	1.3	1.1	0.2	54	0.00
NER	Arunachal Pradesh	132	1	2.2	2.2	-0.2	36	0.01
	Assam	1896	0	34.8	29.0	0.4	134	0.00
	Manipur	192	1	2.7	2.5	0.2	28	0.01
	Meghalaya	305	0	5.2	2.8	-0.2	33	0.00
	Mizoram	98	1	1.5	1.7	-0.2	23	0.01
	Nagaland	133	1	2.5	2.5	-0.1	13	0.01
	Tripura	339	0	4.6	4.1	-0.1	45	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	42.6	-4.2	-20.5
Day Peak (MW)	1786.0	-312.5	-1070.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	292.9	-199.2	27.5	-123.5	2.4	0.0
Actual(MU)	271.7	-187.5	31.5	-124.9	5.3	-3.9
O/D/U/D(MU)	-21.2	11.7	4.0	-1.4	3.0	-3.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	5616	19708	9742	0	772	35838	41
State Sector	10488	21835	14058	5247	11	51639	59
Total	16104	41543	23800	5247	783	87477	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	485	994	318	478	9	2285	59
Lignite	22	10	45	0	0	77	2
Hydro	342	53	65	112	20	591	15
Nuclear	30	33	66	0	0	128	3
Gas, Naptha & Diesel	30	36	13	0	24	103	3
RES (Wind, Solar, Biomass & Others)	123	191	345	5	0	664	17
Total	1032	1316	851	595	54	3848	100

Share of RES in total generation (%)	11.97	14.50	40.50	0.81	0.26	17.26
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	47.98	20.98	55.83	19.61	38.21	35.96

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.060
Based on State Max Demands	1.111

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: 13-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	801	0.0	18.9	-18.9
2	HVDC	PUSAULI B/B	-	0	248	0.0	5.9	-5.9
3	765 kV	GAYA-VARANASI	2	0	715	0.0	9.6	-9.6
4	765 kV	SASARAM-FATEHPUR	1	2	255	0.0	2.3	-2.3
5	765 kV	GAYA-BALIA	1	0	558	0.0	10.0	-10.0
6	400 kV	PUSAULI-VARANASI	1	0	210	0.0	4.2	-4.2
7	400 kV	PUSAULI -ALLAHABAD	1	0	112	0.0	1.7	-1.7
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	742	0.0	11.8	-11.8
9	400 kV	PATNA-BALIA	4	0	1173	0.0	20.7	-20.7
10	400 kV	BIHARSHARIEF-BALIA	2	0	425	0.0	7.9	-7.9
11	400 kV	MOTIHARI-GORAKHPUR	2	0	443	0.0	6.8	-6.8
12	400 kV	BIHARSHARIEF-VARANASI	2	0	274	0.0	3.8	-3.8
13	220 kV	PUSAULI-SAHUPURI	1	11	95	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	0.4	0.0	0.4
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	0.4	104.9	-104.5
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	744	292	6.2	0.0	6.2
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1150	62	16.1	0.0	16.1
3	765 kV	JHARSUGUDA-DURG	2	137	211	0.0	0.2	-0.2
4	400 kV	JHARSUGUDA-RAIGARH	4	236	145	1.8	0.0	1.8
5	400 kV	RANCHI-SIPAT	2	363	0	5.5	0.0	5.5
6	220 kV	BUDHIPADAR-RAIGARH	1	0	123	0.0	1.7	-1.7
7	220 kV	BUDHIPADAR-KORBA	2	131	0	2.1	0.0	2.1
					ER-WR	31.7	1.9	29.8
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	238	0	5.1	0.0	5.1
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1638	0.0	35.0	-35.0
3	765 kV	ANGUL-SRIKAKULAM	2	0	2673	0.0	45.0	-45.0
4	400 kV	TALCHER-I/C	2	533	641	0.5	0.0	0.5
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
					ER-SR	5.1	80.0	-75.0
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	0	341	0.0	5.7	-5.7
2	400 kV	ALIPURDUAR-BONGAIGAON	2	0	465	0.0	6.8	-6.8
3	220 kV	ALIPURDUAR-SALAKATI	2	0	122	0.0	2.0	-2.0
					ER-NER	0.0	14.5	-14.5
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	502	0.0	11.7	-11.7
					NER-NR	0.0	11.7	-11.7
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	3024	0.0	46.9	-46.9
2	HVDC	VINDHYACHAL B/B	-	0	0	0.0	0.0	0.0
3	HVDC	MUNDRA-MOHINDERGARH	2	0	1451	0.0	28.5	-28.5
4	765 kV	GWALIOR-AGRA	2	0	2325	0.0	42.5	-42.5
5	765 kV	PHAGI-GWALIOR	2	0	1833	0.0	33.5	-33.5
6	765 kV	JABALPUR-ORAI	2	0	914	0.0	21.9	-21.9
7	765 kV	GWALIOR-ORAI	1	677	0	9.0	0.0	9.0
8	765 kV	SATNA-ORAI	1	0	1515	0.0	30.9	-30.9
9	765 kV	CHITORGARH-BANASKANTHA	2	1239	154	7.6	0.0	7.6
10	400 kV	ZERDA-KANKROLI	1	296	0	3.6	0.0	3.6
11	400 kV	ZERDA -BHINMAL	1	514	6	8.0	0.0	8.0
12	400 kV	VINDHYACHAL -RIHAND	1	964	0	22.3	0.0	22.3
13	400 kV	RAPP-SHUJALPUR	2	0	494	0.0	6.7	-6.7
14	220 kV	BHANPURA-RANPUR	1	0	88	0.0	1.7	-1.7
15	220 kV	BHANPURA-MORAK	1	0	30	0.0	1.2	-1.2
16	220 kV	MEHGAON-AURAIYA	1	87	20	0.2	0.2	0.0
17	220 kV	MALANPUR-AURAIYA	1	56	34	0.5	0.0	0.5
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	51.1	213.9	-162.9
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	493	0	11.8	0.0	11.8
2	HVDC	RAIGARH-PUGALUR	2	0	804	0.0	12.9	-12.9
3	765 kV	SOLAPUR-RAICHUR	2	1663	947	11.8	0.0	11.8
4	765 kV	WARDHA-NIZAMABAD	2	0	1763	0.0	22.5	-22.5
5	400 kV	KOLHAPUR-KUDGI	2	1086	0	16.6	0.0	16.6
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	1	71	1.0	0.0	1.0
					WR-SR	41.2	35.3	5.9

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)	666	0	573	13.8
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	1013	594	879	21.1
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	270	220	230	5.5
	NER	132KV-GEYLEGPHU - SALAKATI	-98	-10	-41	-1.0
	NER	132kV Motanga-Rangia	-66	-47	-53	-1.3
NEPAL	NR	132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG)	-73	0	-46	-1.1
	ER	400KV-MUZAFFARPUR - DHALKEBAR DC	-232	-58	-126	-3.0
	ER	132KV-BIHAR - NEPAL	-8	-1	-4	-0.1
BANGLADESH	ER	BHERAMARA HVDC(BANGLADESH)	-921	-432	-741	-17.8
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	-75	0	-56	-1.4
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	-74	0	-56	-1.4