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: 11th 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 10.06.2021.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 10-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 10th 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: 11-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)	55042	46234	37285	21907	2833	163301
Peak Shortage (MW)	740	0	0	0	8	748
Energy Met (MU)	1357	1114	902	479	55	3906
Hydro Gen (MU)	326	46	58	100	26	556
Wind Gen (MU)	62	165	216	-	-	443
Solar Gen (MU)*	50.54	33.20	94.04	4.90	0.26	183
Energy Shortage (MU)	3.55	0.00	0.00	0.00	0.04	3.59
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	63721	47820	41032	22488	3055	170815
Time Of Maximum Demand Met (From NLDC SCADA)	00:00	15:03	11:44	00:02	19:09	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	0.036	0.00	0.00	0.69	0.69	65.64	33.67

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	11576	0	229.1	146.0	-10.0	530	0.00
	Haryana	9156	0	194.0	139.9	-5.1	154	0.00
	Rajasthan	12227	0	267.7	98.4	-0.3	564	0.10
	Delhi	6412	0	128.6	114.0	-0.9	277	0.00
	UP	22023	0	416.4	194.3	-2.8	439	0.00
	Uttarakhand	1919	0	36.0	14.3	-0.5	124	0.00
	HP	1502	0	31.8	-0.1	0.9	205	0.00
	J&K(UT) & Ladakh(UT)	2271	250	47.2	22.8	0.0	231	3.45
	Chandigarh	360	0	6.5	7.0	-0.6	40	0.00
WR	Chhattisgarh	3438	0	76.7	35.5	-0.8	331	0.00
	Gujarat	17315	0	367.3	135.9	1.6	1062	0.00
	MP	8657	0	195.7	107.9	-3.1	627	0.00
	Maharashtra	19037	0	419.8	139.3	-1.3	802	0.00
	Goa	558	0	11.4	9.1	1.7	36	0.00
	DD	311	0	7.0	6.9	0.1	24	0.00
	DNH	769	0	17.9	17.9	0.0	35	0.00
	AMNSIL	783	0	17.7	0.8	0.5	250	0.00
SR	Andhra Pradesh	8370	0	182.7	54.5	1.0	496	0.00
	Telangana	7155	0	148.5	57.5	0.6	520	0.00
	Karnataka	9301	0	180.3	59.1	-0.8	848	0.00
	Kerala	3330	0	68.7	46.6	0.8	230	0.00
	Tamil Nadu	13995	0	313.3	133.9	0.9	624	0.00
	Puducherry	418	0	8.1	8.3	-0.2	32	0.00
ER	Bihar	6120	0	117.2	108.8	0.6	458	0.00
	DVC	3112	0	66.8	-45.8	0.5	234	0.00
	Jharkhand	1423	0	25.8	23.6	-3.0	137	0.00
	Odisha	4844	0	107.2	46.1	-0.6	380	0.00
	West Bengal	7997	0	160.9	34.9	1.3	719	0.00
	Sikkim	87	0	1.3	1.2	0.2	62	0.00
NER	Arunachal Pradesh	134	1	2.2	2.2	-0.2	43	0.01
	Assam	1849	0	35.3	27.8	1.3	98	0.00
	Manipur	202	1	2.4	2.6	-0.2	22	0.01
	Meghalaya	302	0	5.8	1.7	0.4	89	0.00
	Mizoram	98	1	1.6	1.6	-0.1	14	0.01
	Nagaland	141	1	2.4	2.4	-0.1	19	0.01
	Tripura	257	3	4.8	3.9	0.0	58	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	32.0	-6.1	-25.4
Day Peak (MW)	1554.0	-436.9	-1091.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	347.1	-252.2	32.8	-123.0	-4.6	0.0
Actual(MU)	325.4	-246.0	34.5	-113.0	-3.2	-2.3
O/D/U/D(MU)	-21.7	6.2	1.7	10.0	1.5	-2.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	4906	19593	9742	200	772	35213	43
State Sector	10338	20375	12758	3787	11	47269	57
Total	15244	39968	22500	3987	783	82482	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	530	1041	359	519	12	2461	62
Lignite	21	10	50	0	0	81	2
Hydro	326	46	58	100	26	556	14
Nuclear	29	33	66	0	0	127	3
Gas, Naptha & Diesel	25	44	13	0	25	106	3
RES (Wind, Solar, Biomass & Others)	132	198	331	5	0	666	17
Total	1063	1372	877	624	63	3998	100

Share of RES in total generation (%)	12.39	14.45	37.76	0.79	0.42	16.67
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	45.73	20.20	51.86	16.89	42.06	33.76

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.043
Based on State Max Demands	1.097

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: 11-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	19.5	-19.5
2	HVDC	PUSAULI B/B	-	0	248	0.0	5.8	-5.8
3	765 kV	GAYA-VARANASI	2	0	822	0.0	16.9	-16.9
4	765 kV	SASARAM-FATEHPUR	1	198	275	0.0	1.3	-1.3
5	765 kV	GAYA-BALIA	1	0	628	0.0	6.0	-6.0
6	400 kV	PUSAULI-VARANASI	1	0	236	0.0	4.4	-4.4
7	400 kV	PUSAULI -ALLAHABAD	1	0	118	0.0	1.4	-1.4
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	738	0.0	10.4	-10.4
9	400 kV	PATNA-BALIA	4	0	1306	0.0	22.2	-22.2
10	400 kV	BIHARSHARIFF-BALIA	2	0	443	0.0	7.1	-7.1
11	400 kV	MOTIHARI-GORAKHPUR	2	0	347	0.0	4.6	-4.6
12	400 kV	BIHARSHARIFF-VARANASI	2	0	330	0.0	4.7	-4.7
13	220 kV	PUSAULI-SAHUPURI	1	0	128	0.0	1.8	-1.8
14	132 kV	SONE NAGAR-RIHAND	1	0	0	0.0	0.0	0.0
15	132 kV	GARWAH-RIHAND	1	20	0	0.4	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	106.0	-105.6
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	1240	0	11.9	0.0	11.9
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1323	35	16.9	0.0	16.9
3	765 kV	JHARSUGUDA-DURG	2	237	119	1.8	0.0	1.8
4	400 kV	JHARSUGUDA-RAIGARH	4	252	41	2.9	0.0	2.9
5	400 kV	RANCHI-SIPAT	2	421	0	5.4	0.0	5.4
6	220 kV	BUDHIPADAR-RAIGARH	1	11	83	0.0	1.0	-1.0
7	220 kV	BUDHIPADAR-KORBA	2	157	0	2.6	0.0	2.6
					ER-WR	41.5	1.0	40.5
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	8	229	0.0	4.8	-4.8
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1638	0.0	39.5	-39.5
3	765 kV	ANGUL-SRIKAKULAM	2	0	2623	0.0	42.9	-42.9
4	400 kV	TALCHER-I/C	2	212	312	2.4	0.0	2.4
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
					ER-SR	0.0	87.2	-87.2
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	44	364	0.0	3.4	-3.4
2	400 kV	ALIPURDUAR-BONGAIGAON	2	172	372	0.0	2.4	-2.4
3	220 kV	ALIPURDUAR-SALAKATI	2	0	116	0.0	1.3	-1.3
					ER-NER	0.0	7.1	-7.1
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	502	0.0	11.9	-11.9
					NER-NR	0.0	11.9	-11.9
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	3553	0.0	66.8	-66.8
2	HVDC	VINDHYACHAL B/B	-	0	0	0.0	0.0	0.0
3	HVDC	MUNDRA-MOHINDERGARH	2	0	1451	0.0	24.7	-24.7
4	765 kV	GWALIOR-AGRA	2	0	2673	0.0	50.9	-50.9
5	765 kV	PHAGI-GWALIOR	2	0	1929	0.0	35.0	-35.0
6	765 kV	JABALPUR-ORAI	2	1005	1068	0.0	41.7	-41.7
7	765 kV	GWALIOR-ORAI	1	694	0	12.7	0.0	12.7
8	765 kV	SATNA-ORAI	1	0	1509	0.0	32.6	-32.6
9	765 kV	CHITORGARH-BANASKANTHA	2	853	304	4.4	0.0	4.4
10	400 kV	ZERDA-KANKROLI	1	242	0	3.4	0.0	3.4
11	400 kV	ZERDA -BHINMAL	1	496	0	8.2	0.0	8.2
12	400 kV	VINDHYACHAL -RIHAND	1	951	0	19.8	0.0	19.8
13	400 kV	RAPP-SHUJALPUR	2	0	546	0.0	8.5	-8.5
14	220 kV	BHANPURA-RANPUR	1	0	117	0.0	1.6	-1.6
15	220 kV	BHANPURA-MORAK	1	0	30	0.0	1.8	-1.8
16	220 kV	MEHGAON-AURAIYA	1	104	9	0.2	0.1	0.1
17	220 kV	MALANPUR-AURAIYA	1	62	29	0.9	0.0	0.9
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	49.4	263.7	-214.2
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	317	0	7.7	0.0	7.7
2	HVDC	RAIGARH-PUGALUR	2	284	302	0.0	2.8	-2.8
3	765 kV	SOLAPUR-RAICHUR	2	1898	1149	10.6	0.0	10.6
4	765 kV	WARDHA-NIZAMABAD	2	0	1834	0.0	22.5	-22.5
5	400 kV	KOLHAPUR-KUDGI	2	1238	0	14.7	0.0	14.7
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	77	1.4	0.0	1.4
					WR-SR	34.3	25.3	9.0

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)	587	0	538	12.9
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	681	0	563	13.5
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	215	0	175	4.2
	NER	132KV-GEYLEGPHU - SALAKATI	16	1	-11	-0.3
	NER	132kV Motanga-Rangia	54	35	-44	-1.1
NEPAL	NR	132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG)	-74	0	-60	-1.4
	ER	400KV-MUZAFFARPUR - DHALKEBAR DC	-259	-65	-169	-4.1
	ER	132KV-BIHAR - NEPAL	-104	-1	-25	-0.6
BANGLADESH	ER	BHERAMARA HVDC(BANGLADESH)	-941	-925	-926	-22.2
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	-75	0	-65	-1.6
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	-75	0	-65	-1.6