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: 4th 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 03.06.2021.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 03-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 03rd 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:** **04-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)	49305	47070	36975	22222	2743	158315
Peak Shortage (MW)	251	0	0	0	3	254
Energy Met (MU)	1094	1137	866	481	51	3629
Hydro Gen (MU)	237	57	66	105	21	486
Wind Gen (MU)	16	73	46	----------	----------	135
Solar Gen (MU)*	54.03	38.40	74.89	5.07	0.23	173
Energy Shortage (MU)	7.91	0.00	0.00	0.00	0.04	7.95
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	52460	51423	39286	23661	2929	162840
Time Of Maximum Demand Met (From NLDC SCADA)	22:26	14:49	10:45	23:34	19:29	22:31

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	0.069	0.43	2.94	14.47	17.83	70.84	11.33

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	6387	0	144.3	103.3	-2.2	68	0.00
	Haryana	6777	820	140.0	123.8	1.9	391	2.75
	Rajasthan	9845	0	204.8	64.4	1.1	381	1.71
	Delhi	4686	0	88.3	75.6	-0.2	300	0.00
	UP	20642	350	399.8	181.3	-1.3	357	0.00
	Uttarakhand	1762	0	38.3	16.5	1.0	151	0.00
	HP	1353	3	27.9	3.6	0.7	158	0.00
	J&K(UT) & Ladakh(UT)	2265	250	46.3	20.4	0.9	286	3.45
	Chandigarh	212	0	4.6	4.4	0.2	33	0.00
WR	Chhattisgarh	3668	0	82.8	39.4	-0.1	338	0.00
	Gujarat	16728	0	351.6	137.9	2.8	707	0.00
	MP	9322	0	203.9	118.5	-2.8	531	0.00
	Maharashtra	19956	0	448.2	170.9	-2.1	840	0.00
	Goa	556	0	12.7	10.0	2.0	68	0.00
	DD	281	0	5.5	5.3	0.2	31	0.00
	DNH	753	0	17.2	16.8	0.4	75	0.00
	AMNSIL	679	0	14.6	0.8	0.3	261	0.00
SR	Andhra Pradesh	7919	0	172.6	100.8	4.7	1178	0.00
	Telangana	6284	0	140.3	49.7	-1.5	676	0.00
	Karnataka	9308	0	174.5	70.8	-0.8	748	0.00
	Kerala	3391	0	71.2	45.8	-0.6	229	0.00
	Tamil Nadu	13684	0	299.9	176.0	3.0	903	0.00
	Puducherry	387	0	7.8	7.9	-0.2	33	0.00
ER	Bihar	5917	0	116.6	105.9	2.6	400	0.00
	DVC	3274	0	67.1	-47.1	-0.7	332	0.00
	Jharkhand	1685	0	27.3	24.6	-0.8	345	0.00
	Odisha	4697	0	96.8	33.0	0.6	310	0.00
	West Bengal	8560	0	171.7	43.4	1.0	384	0.00
	Sikkim	84	0	1.3	1.4	-0.1	15	0.00
NER	Arunachal Pradesh	103	1	2.1	2.2	-0.2	11	0.01
	Assam	1773	0	32.0	24.4	0.6	95	0.00
	Manipur	191	1	2.6	2.6	-0.1	21	0.01
	Meghalaya	318	0	5.7	1.9	0.2	32	0.00
	Mizoram	106	0	1.6	1.7	-0.1	20	0.01
	Nagaland	134	1	2.4	2.4	0.0	17	0.01
	Tripura	243	0	4.9	3.9	-0.2	39	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	25.6	-7.0	-22.8
Day Peak (MW)	1188.0	-491.7	-1061.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	280.8	-217.7	73.6	-137.1	0.3	0.0
Actual(MU)	269.8	-209.6	84.0	-146.0	-1.0	-2.9
O/D/U/D(MU)	-11.1	8.0	10.4	-8.9	-1.3	-2.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	7207	19583	7492	850	772	35903	42
State Sector	14613	20643	11208	3875	11	50350	58
Total	21819	40226	18700	4725	783	86253	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	445	1113	468	554	12	2592	69
Lignite	22	9	55	0	0	86	2
Hydro	237	57	66	105	21	486	13
Nuclear	27	33	60	0	0	119	3
Gas, Naptha & Diesel	28	42	13	0	24	108	3
RES (Wind, Solar, Biomass & Others)	88	111	134	5	0	339	9
Total	847	1365	797	665	57	3731	100

Share of RES in total generation (%)	10.40	8.15	16.82	0.77	0.40	9.08
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	41.52	14.70	32.68	16.61	37.36	25.32

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.042
Based on State Max Demands	1.068

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: 04-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	800	0.0	18.9	-18.9
2	HVDC	PUSAULI B/B	-	0	249	0.0	5.9	-5.9
3	765 kV	GAYA-VARANASI	2	0	670	0.0	12.2	-12.2
4	765 kV	SASARAM-FATEHPUR	1	0	254	0.0	3.7	-3.7
5	765 kV	GAYA-BALIA	1	0	554	0.0	9.5	-9.5
6	400 kV	PUSAULI-VARANASI	1	0	211	0.0	4.4	-4.4
7	400 kV	PUSAULI -ALLAHABAD	1	0	97	0.0	1.5	-1.5
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	656	0.0	12.1	-12.1
9	400 kV	PATNA-BALIA	4	0	1054	0.0	22.4	-22.4
10	400 kV	BIHARSHARIFF-BALIA	2	0	263	0.0	5.0	-5.0
11	400 kV	MOTIHARI-GORAKHPUR	2	0	298	0.0	5.4	-5.4
12	400 kV	BIHARSHARIFF-VARANASI	2	0	268	0.0	4.5	-4.5
13	220 kV	PUSAULI-SAHUPURI	1	0	112	0.0	1.6	-1.6
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	107.0	-106.8
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	852	0	9.7	0.0	9.7
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1018	249	12.8	0.0	12.8
3	765 kV	JHARSUGUDA-DURG	2	103	232	0.0	1.3	-1.3
4	400 kV	JHARSUGUDA-RAIGARH	4	70	319	0.0	2.2	-2.2
5	400 kV	RANCHI-SIPAT	2	255	106	2.8	0.0	2.8
6	220 kV	BUDHIPADAR-RAIGARH	1	6	122	0.0	1.1	-1.1
7	220 kV	BUDHIPADAR-KORBA	2	72	4	1.0	0.0	1.0
					ER-WR	26.3	4.6	21.7
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	448	0.0	10.0	-10.0
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1975	0.0	40.6	-40.6
3	765 kV	ANGUL-SRIKAKULAM	2	0	2866	0.0	49.2	-49.2
4	400 kV	TALCHER-I/C	2	551	215	3.8	0.0	3.8
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
					ER-SR	0.0	99.8	-99.8
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	0	390	0.0	5.0	-5.0
2	400 kV	ALIPURDUAR-BONGAIGAON	2	74	347	0.0	3.9	-3.9
3	220 kV	ALIPURDUAR-SALAKATI	2	0	92	0.0	1.5	-1.5
					ER-NER	0.0	10.4	-10.4
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	502	0.0	12.2	-12.2
					NER-NR	0.0	12.2	-12.2
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	2516	0.0	56.7	-56.7
2	HVDC	VINDHYACHAL B/B	-	42	0	1.2	0.0	1.2
3	HVDC	MUNDRA-MOHINDERGARH	2	0	1452	0.0	30.3	-30.3
4	765 kV	GWALIOR-AGRA	2	0	2532	0.0	40.2	-40.2
5	765 kV	PHAGI-GWALIOR	2	0	1641	0.0	28.9	-28.9
6	765 kV	JABALPUR-ORAI	2	578	993	0.0	30.8	-30.8
7	765 kV	GWALIOR-ORAI	1	623	0	11.4	0.0	11.4
8	765 kV	SATNA-ORAI	1	0	1464	0.0	28.1	-28.1
9	765 kV	CHITORGARH-BANASKANTHA	2	1207	17	15.9	0.0	15.9
10	400 kV	ZERDA-KANKROLI	1	325	4	4.6	0.0	4.6
11	400 kV	ZERDA -BHINMAL	1	587	59	9.0	0.0	9.0
12	400 kV	VINDHYACHAL -RIHAND	1	969	0	22.5	0.0	22.5
13	400 kV	RAPP-SHUJALPUR	2	36	532	0.0	4.6	-4.6
14	220 kV	BHANPURA-RANPUR	1	0	119	0.0	2.0	-2.0
15	220 kV	BHANPURA-MORAK	1	0	30	0.0	1.6	-1.6
16	220 kV	MEHGAON-AURAIYA	1	106	0	0.3	0.1	0.2
17	220 kV	MALANPUR-AURAIYA	1	71	24	1.0	0.0	1.0
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	65.9	223.3	-157.4
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	0	518	0.0	12.0	-12.0
2	HVDC	RAIGARH-PUGALUR	2	0	0	0.0	0.0	0.0
3	765 kV	SOLAPUR-RAICHUR	2	1087	1402	0.0	3.7	-3.7
4	765 kV	WARDHA-NIZAMABAD	2	0	1871	0.0	23.9	-23.9
5	400 kV	KOLHAPUR-KUDGI	2	739	56	7.7	0.0	7.7
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	86	1.5	0.0	1.5
					WR-SR	9.2	39.6	-30.4

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)	489	0	428	10.3
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	463	453	458	11.0
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	170	0	135	3.2
	NER	132KV-GEYLEGPHU - SALAKATI	-16	-3	-8	-0.2
	NER	132kV Motanga-Rangia	-49	-26	-38	-0.9
NEPAL	NR	132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG)	-77	0	-57	-1.4
	ER	400KV-MUZAFFARPUR - DHALKEBAR DC	-227	7	-98	-2.4
	ER	132KV-BIHAR - NEPAL	-188	-81	-135	-3.2
	ER	BHERAMARA HVDC(BANGLADESH)	-913	-765	-829	-19.9

BANGLADESH	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	74	0	-62	-1.5
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	74	0	-62	-1.5