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: 26th 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 25.06.2021.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 25-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 25th 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:** **26-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)	58288	46265	42099	21990	2822	171464
Peak Shortage (MW)	200	0	0	0	11	211
Energy Met (MU)	1420	1103	1021	477	56	4077
Hydro Gen (MU)	328	47	89	123	25	612
Wind Gen (MU)	46	165	183	-	-	394
Solar Gen (MU)*	53.35	32.03	95.74	4.96	0.24	186
Energy Shortage (MU)	4.31	0.00	0.00	0.00	0.05	4.36
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	63983	47210	45815	21950	3166	177527
Time Of Maximum Demand Met (From NLDC SCADA)	12:35	10:46	14:57	20:01	19:27	11:22

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	0.030	0.00	0.00	1.82	1.82	66.33	31.85

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	13141	0	302.4	169.4	-1.7	188	0.86
	Haryana	10364	0	224.7	164.1	-0.9	188	0.00
	Rajasthan	11520	0	244.7	68.8	-2.4	596	0.00
	Delhi	6013	0	117.3	105.6	-2.0	193	0.00
	UP	20675	0	402.1	178.2	-0.6	386	0.00
	Uttarakhand	1968	0	44.4	19.2	0.4	137	0.00
	HP	1466	0	31.3	1.5	1.1	149	0.00
	J&K(UT) & Ladakh(UT)	2313	100	46.1	22.8	-1.0	331	3.45
	Chandigarh	328	0	6.5	6.6	-0.1	21	0.00
WR	Chhattisgarh	3551	0	82.6	31.1	-0.3	142	0.00
	Gujarat	15508	0	338.9	96.6	1.1	562	0.00
	MP	8375	0	181.5	90.7	0.2	348	0.00
	Maharashtra	20571	0	444.2	126.9	-2.8	690	0.00
	Goa	549	0	11.5	10.8	0.1	43	0.00
	DD	331	0	7.3	6.8	0.5	42	0.00
	DNH	801	0	18.7	18.6	0.1	43	0.00
	AMNSIL	798	0	18.1	4.8	-0.1	267	0.00
SR	Andhra Pradesh	9155	0	192.3	49.7	1.5	711	0.00
	Telangana	10478	0	223.9	95.0	1.0	836	0.00
	Karnataka	9922	0	195.4	53.9	-0.2	671	0.00
	Kerala	3396	0	72.5	47.4	0.5	244	0.00
	Tamil Nadu	14769	0	328.3	151.1	0.3	621	0.00
	Puducherry	406	0	8.5	8.7	-0.2	40	0.00
ER	Bihar	6012	0	112.9	103.5	-1.4	555	0.00
	DVC	3155	0	67.8	-38.4	0.2	291	0.00
	Jharkhand	1459	0	28.1	23.9	-2.3	171	0.00
	Odisha	4740	0	100.7	38.4	1.4	274	0.00
	West Bengal	8104	0	166.5	34.6	1.1	475	0.00
	Sikkim	81	0	1.2	1.4	-0.2	18	0.00
NER	Arunachal Pradesh	126	1	2.3	2.1	0.0	81	0.01
	Assam	1953	3	36.5	30.8	-0.3	122	0.00
	Manipur	198	1	2.5	2.6	0.0	22	0.01
	Meghalaya	312	0	5.7	2.1	-0.2	39	0.00
	Mizoram	105	1	1.8	1.6	0.0	17	0.01
	Nagaland	142	1	2.5	2.7	-0.3	14	0.01
	Tripura	306	2	4.9	4.1	-0.2	58	0.01

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	39.7	-8.1	-24.3
Day Peak (MW)	1939.0	-243.1	-1046.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	321.5	-269.3	51.8	-105.5	1.5	0.0
Actual(MU)	289.1	-257.0	56.5	-95.6	1.2	-5.8
O/D/U/D(MU)	-32.5	12.3	4.7	9.9	-0.3	-5.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	3923	20568	8782	1107	588	34968	47
State Sector	7255	18591	10015	3853	11	39725	53
Total	11178	39158	18797	4960	600	74693	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	630	1061	481	479	10	2661	64
Lignite	23	8	47	0	0	78	2
Hydro	328	47	89	123	25	612	15
Nuclear	31	33	43	0	0	107	3
Gas, Naptha & Diesel	23	30	13	0	25	90	2
RES (Wind, Solar, Biomass & Others)	116	197	305	5	0	623	15
Total	1150	1376	978	607	60	4171	100

Share of RES in total generation (%)	10.07	14.31	31.19	0.81	0.40	14.93
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	41.26	20.12	44.72	21.04	42.15	32.17

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.026
Based on State Max Demands	1.088

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: 26-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	852	0.0	20.5	-20.5
2	HVDC	PUSAULI B/B	-	0	248	0.0	6.1	-6.1
3	765 kV	GAYA-VARANASI	2	0	666	0.0	10.8	-10.8
4	765 kV	SASARAM-FATEHPUR	1	0	248	0.0	2.7	-2.7
5	765 kV	GAYA-BALIA	1	0	465	0.0	7.7	-7.7
6	400 kV	PUSAULI-VARANASI	1	0	202	0.0	4.2	-4.2
7	400 kV	PUSAULI -ALLAHABAD	1	0	113	0.0	1.7	-1.7
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	589	0.0	10.5	-10.5
9	400 kV	PATNA-BALIA	4	0	823	0.0	14.3	-14.3
10	400 kV	BIHARSHARIFF-BALIA	2	0	340	0.0	5.9	-5.9
11	400 kV	MOTIHARI-GORAKHPUR	2	0	347	0.0	6.3	-6.3
12	400 kV	BIHARSHARIFF-VARANASI	2	0	238	0.0	3.5	-3.5
13	220 kV	PUSAULI-SAHUPURI	1	39	73	0.0	0.7	-0.7
14	132 kV	SONE NAGAR-RIHAND	1	0	0	0.0	0.0	0.0
15	132 kV	GARWAH-RIHAND	1	20	0	0.5	0.0	0.5
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	0.5	94.7	-94.3
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	1363	0	17.8	0.0	17.8
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1354	186	20.2	0.0	20.2
3	765 kV	JHARSUGUDA-DURG	2	245	142	2.2	0.0	2.2
4	400 kV	JHARSUGUDA-RAIGARH	4	301	58	2.9	0.0	2.9
5	400 kV	RANCHI-SIPAT	2	437	40	5.7	0.0	5.7
6	220 kV	BUDHIPADAR-RAIGARH	1	18	79	0.0	0.7	-0.7
7	220 kV	BUDHIPADAR-KORBA	2	165	0	2.7	0.0	2.7
					ER-WR	51.5	0.7	50.9
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	445	0.0	9.9	-9.9
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1976	0.0	35.3	-35.3
3	765 kV	ANGUL-SRIKAKULAM	2	0	2449	0.0	41.9	-41.9
4	400 kV	TALCHER-I/C	2	675	288	7.0	0.0	7.0
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
					ER-SR	0.0	87.1	-87.1
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	0	346	0.0	5.1	-5.1
2	400 kV	ALIPURDUAR-BONGAIGAON	2	0	378	0.0	5.2	-5.2
3	220 kV	ALIPURDUAR-SALAKATI	2	0	119	0.0	2.1	-2.1
					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	12	2011	0.0	30.9	-30.9
2	HVDC	VINDHYACHAL B/B	-	0	102	0.0	0.0	0.0
3	HVDC	MUNDRA-MOHINDERGARH	2	0	1545	0.0	31.3	-31.3
4	765 kV	GWALIOR-AGRA	2	0	2711	0.0	49.0	-49.0
5	765 kV	PHAGI-GWALIOR	2	0	1607	0.0	31.9	-31.9
6	765 kV	JABALPUR-ORAI	2	618	1013	0.0	39.4	-39.4
7	765 kV	GWALIOR-ORAI	1	583	0	10.9	0.0	10.9
8	765 kV	SATNA-ORAI	1	0	1368	0.0	28.1	-28.1
9	765 kV	CHITORGARH-BANASKANTHA	2	390	810	0.0	8.3	-8.3
10	400 kV	ZERDA-KANKROLI	1	167	86	0.2	0.0	0.2
11	400 kV	ZERDA -BHINMAL	1	337	67	3.7	0.0	3.7
12	400 kV	VINDHYACHAL -RIHAND	1	956	0	22.3	0.0	22.3
13	400 kV	RAPP-SHUJALPUR	2	0	498	0.0	7.2	-7.2
14	220 kV	BHANPURA-RANPUR	1	0	93	0.0	1.4	-1.4
15	220 kV	BHANPURA-MORAK	1	0	30	0.0	1.1	-1.1
16	220 kV	MEHGAON-AURAIYA	1	92	16	0.2	0.2	0.0
17	220 kV	MALANPUR-AURAIYA	1	65	35	0.6	0.1	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	37.9	228.9	-191.1
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	300	312	2.9	4.1	-1.1
2	HVDC	RAIGARH-PUGALUR	2	1450	1200	10.8	5.2	5.6
3	765 kV	SOLAPUR-RAICHUR	2	1232	1326	0.0	2.5	-2.5
4	765 kV	WARDHA-NIZAMABAD	2	0	2285	0.0	34.4	-34.4
5	400 kV	KOLHAPUR-KUDGI	2	1368	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	0	69	1.4	0.0	1.4
					WR-SR	32.4	46.2	-13.8

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&3 i.e. ALIPURDUAR RECEIPT (from MANGDECHU HEP 4*180MW)	618	0	535	12.8
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	935	0	822	19.7
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	289	0	258	6.2
	NER	132kV GELEPHU-SALAKATI	-36	-18	19	0.5
	NER	132kV MOTANGA-RANGIA	-61	0	22	0.5
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-68	0	-43	-1.0
	ER	NEPAL IMPORT (FROM BIHAR)	-124	-1	-27	-0.6
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	299	207	-268	-6.4
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-919	-900	-905	-21.7
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-127	0	-108	-2.6