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: 8th Nov 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 07.11.2021.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 07-नवंबर-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 7th November 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:** **08-Nov-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 19:00 hrs; from RLDCs)	41463	45152	34764	19012	2374	142765
Peak Shortage (MW)	200	0	0	186	0	386
Energy Met (MU)	832	1070	769	377	43	3092
Hydro Gen (MU)	145	27	154	66	14	406
Wind Gen (MU)	2	68	19	-	-	89
Solar Gen (MU)*	54.83	36.36	64.41	4.73	0.31	161
Energy Shortage (MU)	4.66	0.00	0.00	2.21	0.00	6.87
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	42852	49249	36162	19242	2482	146281
Time Of Maximum Demand Met (From NLDC SCADA)	18:24	11:24	18:30	17:58	17:28	18:32

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	0.044	0.00	0.19	10.91	11.10	76.84	12.06

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	5328	0	105.2	56.4	-0.8	153	0.30
	Haryana	5134	0	99.5	72.9	1.1	229	0.00
	Rajasthan	12305	0	223.5	76.8	0.7	400	0.00
	Delhi	2914	0	54.8	43.1	-1.2	135	0.00
	UP	13820	0	242.4	90.2	-1.3	592	0.90
	Uttarakhand	1563	0	29.1	15.9	1.0	128	0.00
	HP	1452	0	27.4	14.2	-0.4	210	0.01
	J&K(UT) & Ladakh(UT)	2404	200	47.1	41.1	-2.1	261	3.45
	Chandigarh	149	0	2.6	3.6	-1.0	0	0.00
WR	Chhattisgarh	3424	0	73.0	31.2	-0.3	171	0.00
	Gujarat	12496	0	269.0	180.7	0.0	658	0.00
	MP	11513	0	231.6	163.3	0.0	569	0.00
	Maharashtra	20720	0	443.1	137.7	-3.7	718	0.00
	Goa	554	0	11.6	11.1	-0.1	48	0.00
	DD	280	0	5.9	5.6	0.3	36	0.00
	DNH	767	0	17.4	17.3	0.1	46	0.00
	AMNSIL	856	0	18.5	9.1	-0.2	312	0.00
SR	Andhra Pradesh	7245	0	160.0	61.9	-0.2	553	0.00
	Telangana	7497	0	155.3	40.4	-1.5	390	0.00
	Karnataka	8183	0	160.1	17.7	-1.2	834	0.00
	Kerala	3312	0	67.7	28.7	-1.1	177	0.00
	Tamil Nadu	10792	0	219.7	144.3	-0.2	945	0.00
	Puducherry	318	0	6.7	6.9	-0.2	59	0.00
ER	Bihar	4504	480	75.4	68.0	-1.0	355	0.12
	DVC	3053	62	64.4	-36.0	-1.2	252	1.40
	Jharkhand	1534	0	26.3	21.7	-1.4	200	0.69
	Odisha	5398	0	102.2	50.2	-1.4	361	0.00
	West Bengal	5946	0	107.7	-2.8	-0.2	406	0.00
	Sikkim	74	0	1.2	1.2	-0.1	22	0.00
NER	Arunachal Pradesh	122	0	2.2	2.2	-0.1	14	0.00
	Assam	1436	0	24.4	17.1	0.1	73	0.00
	Manipur	192	0	2.5	2.6	-0.1	38	0.00
	Meghalaya	346	0	6.2	5.7	-0.2	29	0.00
	Mizoram	93	0	1.7	1.2	-0.1	5	0.00
	Nagaland	136	0	2.2	2.1	0.0	22	0.00
	Tripura	220	0	3.6	2.1	-0.6	15	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	20.3	1.5	-19.6
Day Peak (MW)	992.0	92.0	-856.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	159.0	-37.4	30.0	-148.0	-3.5	0.0
Actual(MU)	155.7	-32.5	37.4	-159.0	-4.6	-3.1
O/D/U/D(MU)	-3.3	4.9	7.4	-11.0	-1.1	-3.1

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	8478	20945	9872	2520	809	42623	43
State Sector	16096	23019	12423	4853	11	56401	57
Total	24574	43964	22295	7373	820	99024	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	416	929	371	507	7	2231	70
Lignite	27	10	33	0	0	70	2
Hydro	145	27	154	66	14	406	13
Nuclear	27	33	69	0	0	129	4
Gas, Naptha & Diesel	16	10	8	0	30	64	2
RES (Wind, Solar, Biomass & Others)	68	105	110	5	0	288	9
Total	699	1114	746	577	52	3189	100

Share of RES in total generation (%)	9.75	9.42	14.78	0.82	0.59	9.05
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	34.33	14.81	44.66	12.23	28.24	25.83

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.025
Based on State Max Demands	1.067

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: 08-Nov-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	500	0.0	11.2	-11.2
2	HVDC	PUSAULI B/B	-	0	249	0.0	5.9	-5.9
3	765 kV	GAYA-VARANASI	2	185	616	0.0	6.3	-6.3
4	765 kV	SASARAM-FATEHPUR	1	0	571	0.0	7.3	-7.3
5	765 kV	GAYA-BALIA	1	0	463	0.0	8.9	-8.9
6	400 kV	PUSAULI-VARANASI	1	0	176	0.0	3.3	-3.3
7	400 kV	PUSAULI -ALLAHABAD	1	0	151	0.0	2.4	-2.4
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	801	0.0	12.2	-12.2
9	400 kV	PATNA-BALIA	4	0	576	0.0	9.5	-9.5
10	400 kV	BIHARSHARIFF-BALIA	2	0	482	0.0	7.3	-7.3
11	400 kV	MOTIHARI-GORAKHPUR	2	0	415	0.0	6.2	-6.2
12	400 kV	BIHARSHARIFF-VARANASI	2	55	282	0.0	2.3	-2.3
13	220 kV	PUSAULI-SAHUPURI	1	53	76	0.0	0.4	-0.4
14	132 kV	SONE NAGAR-RIHAND	1	0	0	0.0	0.0	0.0
15	132 kV	GARWAH-RIHAND	1	25	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	0.4	83.4	-83.0
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	273	741	0.0	7.9	-7.9
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	485	594	0.0	3.2	-3.2
3	765 kV	JHARSUGUDA-DURG	2	0	437	0.0	7.3	-7.3
4	400 kV	JHARSUGUDA-RAIGARH	4	93	478	0.0	5.8	-5.8
5	400 kV	RANCHI-SIPAT	2	146	199	0.0	1.7	-1.7
6	220 kV	BUDHIPADAR-RAIGARH	1	43	76	0.0	0.5	-0.5
7	220 kV	BUDHIPADAR-KORBA	2	126	9	1.3	0.0	1.3
					ER-WR	1.3	26.3	-25.0
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	557	0.0	12.6	-12.6
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1985	0.0	42.4	-42.4
3	765 kV	ANGUL-SRIKAKULAM	2	0	2171	0.0	37.4	-37.4
4	400 kV	TALCHER-I/C	2	274	986	0.6	0.0	0.6
5	220 kV	BALIMELA-UPPER-SILERRU	1	2	0	0.0	0.0	0.0
					ER-SR	0.0	92.4	-92.4
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	0	288	0.0	3.7	-3.7
2	400 kV	ALIPURDUAR-BONGAIGAON	2	38	296	0.0	2.3	-2.3
3	220 kV	ALIPURDUAR-SALAKATI	2	0	82	0.0	0.9	-0.9
					ER-NER	0.0	6.9	-6.9
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	502	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	506	0.0	12.2	-12.2
2	HVDC	VINDHYACHAL B/B	-	317	0	7.2	0.0	7.2
3	HVDC	MUNDRA-MOHINDERGARH	2	0	0	0.0	0.0	0.0
4	765 kV	GWALIOR-AGRA	2	0	1892	0.0	33.7	-33.7
5	765 kV	GWALIOR-PHAGI	2	0	2402	0.0	39.0	-39.0
6	765 kV	JABALPUR-ORAI	2	0	442	0.0	16.8	-16.8
7	765 kV	GWALIOR-ORAI	1	1379	0	25.5	0.0	25.5
8	765 kV	SATNA-ORAI	1	0	746	0.0	15.8	-15.8
9	765 kV	BANASKANTHA-CHITORGARH	2	1397	0	24.1	0.0	24.1
10	765 kV	VINDHYACHAL-VARANASI	2	0	2280	0.0	40.8	-40.8
11	400 kV	ZERDA-KANKROLI	1	308	0	5.3	0.0	5.3
12	400 kV	ZERDA -BHINMAL	1	360	0	5.9	0.0	5.9
13	400 kV	VINDHYACHAL -RIHAND	1	974	0	22.1	0.0	22.1
14	400 kV	RAPP-SHUJALPUR	2	29	382	0.0	3.9	-3.8
15	220 kV	BHANPURA-RANPUR	1	62	22	0.4	0.1	0.4
16	220 kV	BHANPURA-MORAK	1	0	30	1.1	0.0	1.1
17	220 kV	MEHGAON-AURAIYA	1	97	0	0.9	0.0	0.9
18	220 kV	MALANPUR-AURAIYA	1	65	0	1.5	0.0	1.5
19	132 kV	GWALIOR-SAWAI MADHOPUR	1	0	0	0.0	0.0	0.0
20	132 kV	RAJGHAT-LALITPUR	2	0	0	0.0	0.0	0.0
					WR-NR	94.0	162.2	-68.1
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	395	0	9.6	0.0	9.6
2	HVDC	RAIGARH-PUGALUR	2	0	606	0.0	14.6	-14.6
3	765 kV	SOLAPUR-RAICHUR	2	2094	604	13.6	1.5	12.1
4	765 kV	WARDHA-NIZAMABAD	2	561	1309	0.7	15.4	-14.6
5	400 kV	KOLHAPUR-KUDGI	2	1201	0	16.8	0.0	16.8
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	58	1.2	0.0	1.2
					WR-SR	41.9	31.5	10.4

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&3 i.e. ALIPURDUAR RECEIPT (from MANGDECHU HEP 4*180MW)	262	0	221	5.3
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	582	0	522	12.5
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	113	0	77	1.9
	NER	132kV GELEPHU-SALAKATI	14	6	11	0.3
	NER	132kV MOTANGA-RANGIA	21	6	15	0.4
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	0	0	0	0.0
	ER	NEPAL IMPORT (FROM BIHAR)	0	0	0	0.0
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	92	42	63	1.5
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-750	-643	-727	-17.4
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-106	0	-91	-2.2