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: 6th 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 05.11.2021.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 05-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 05th 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:** **06-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)	37200	41099	35048	20052	2501	135900
Peak Shortage (MW)	0	0	0	0	0	0
Energy Met (MU)	757	995	746	406	44	2947
Hydro Gen (MU)	150	24	134	71	15	395
Wind Gen (MU)	8	48	27	-	-	84
Solar Gen (MU)*	54.46	38.58	79.63	4.86	0.31	178
Energy Shortage (MU)	4.43	0.00	0.00	0.28	0.15	4.86
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	38594	45185	36961	20292	2636	139405
Time Of Maximum Demand Met (From NLDC SCADA)	18:21	10:35	10:47	18:01	17:23	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	0.043	0.00	0.72	6.85	7.57	68.72	23.71

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	4156	0	79.2	40.7	-0.2	151	0.00
	Haryana	4310	0	84.5	60.2	1.7	308	0.00
	Rajasthan	11524	0	198.9	53.2	-0.9	554	0.00
	Delhi	2660	0	51.8	41.0	-0.6	97	0.00
	UP	13530	0	241.2	94.2	-0.3	502	0.98
	Uttarakhand	1389	0	25.2	11.2	-0.4	174	0.00
	HP	1217	0	21.2	7.2	-0.3	329	0.00
	J&K(UT) & Ladakh(UT)	2633	0	51.9	42.5	1.4	328	3.45
	Chandigarh	147	0	2.5	3.8	-1.2	0	0.00
WR	Chhattisgarh	3106	0	69.5	24.5	0.2	331	0.00
	Gujarat	11164	0	235.0	163.6	-1.9	1203	0.00
	MP	10946	0	218.7	156.9	-1.7	525	0.00
	Maharashtra	20095	0	426.8	135.5	-0.1	739	0.00
	Goa	539	0	10.8	10.7	-0.4	44	0.00
	DD	193	0	3.4	3.1	0.3	43	0.00
	DNH	604	0	12.9	12.8	0.1	57	0.00
	AMNSIL	822	0	18.1	9.2	0.1	255	0.00
SR	Andhra Pradesh	7563	0	155.7	56.9	-0.4	580	0.00
	Telangana	7710	0	156.6	42.4	-1.1	308	0.00
	Karnataka	8413	0	160.1	35.2	-3.1	515	0.00
	Kerala	3632	0	71.2	33.7	-1.8	191	0.00
	Tamil Nadu	10288	0	195.9	128.8	-4.2	553	0.00
	Puducherry	343	0	6.1	7.1	-1.0	33	0.00
ER	Bihar	4550	0	79.1	72.2	-0.8	439	0.28
	DVC	3160	0	65.2	-23.5	-1.0	333	0.00
	Jharkhand	1426	0	27.6	22.2	-1.0	235	0.00
	Odisha	5757	0	115.3	63.6	-1.6	441	0.00
	West Bengal	6566	0	117.7	5.2	0.0	430	0.00
	Sikkim	73	0	1.1	1.3	-0.2	32	0.00
NER	Arunachal Pradesh	122	0	2.3	2.2	0.0	40	0.00
	Assam	1490	0	24.8	17.5	0.2	83	0.00
	Manipur	195	0	2.6	2.5	0.0	35	0.15
	Meghalaya	376	0	6.1	4.6	-0.1	69	0.00
	Mizoram	112	0	1.7	1.4	-0.1	9	0.00
	Nagaland	143	0	2.3	2.1	-0.1	26	0.00
	Tripura	237	0	3.9	2.2	-0.5	23	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	22.4	1.5	-18.9
Day Peak (MW)	1079.0	89.0	-830.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	102.5	-34.1	39.8	-103.3	-4.8	0.0
Actual(MU)	92.2	-24.8	37.9	-100.0	-4.9	0.4
O/D/U/D(MU)	-10.2	9.3	-1.9	3.3	-0.1	0.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	8098	19885	9522	1520	534	39558	41
State Sector	15656	23319	12423	4435	11	55844	59
Total	23754	43204	21945	5955	545	95402	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	385	867	359	453	8	2073	69
Lignite	28	10	27	0	0	65	2
Hydro	150	24	134	71	15	395	13
Nuclear	32	33	68	0	0	133	4
Gas, Naptha & Diesel	14	10	9	0	29	61	2
RES (Wind, Solar, Biomass & Others)	74	87	130	5	0	296	10
Total	683	1031	728	529	53	3023	100

Share of RES in total generation (%)	10.79	8.46	17.87	0.91	0.59	9.80
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	37.42	14.02	45.68	14.35	29.61	27.26

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.031
Based on State Max Demands	1.085

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: 06-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	751	0.0	14.7	-14.7
2	HVDC	PUSAULI B/B	-	0	249	0.0	5.8	-5.8
3	765 kV	GAYA-VARANASI	2	558	385	3.0	0.0	3.0
4	765 kV	SASARAM-FATEHPUR	1	80	360	0.0	2.1	-2.1
5	765 kV	GAYA-BALIA	1	0	348	0.0	5.2	-5.2
6	400 kV	PUSAULI-VARANASI	1	0	200	0.0	3.8	-3.8
7	400 kV	PUSAULI -ALLAHABAD	1	0	136	0.0	2.1	-2.1
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	602	0.0	6.7	-6.7
9	400 kV	PATNA-BALIA	4	0	535	0.0	5.7	-5.7
10	400 kV	BIHARSHARIFF-BALIA	2	1	441	0.0	3.8	-3.8
11	400 kV	MOTIHARI-GORAKHPUR	2	0	312	0.0	3.2	-3.2
12	400 kV	BIHARSHARIFF-VARANASI	2	197	229	0.6	0.0	0.6
13	220 kV	PUSAULI-SAHUPURI	1	42	46	0.2	0.0	0.2
14	132 kV	SONE NAGAR-RIHAND	1	0	0	0.0	0.0	0.0
15	132 kV	GARWAH-RIHAND	1	25	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	4.1	53.0	-48.9
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	870	432	0.0	0.4	-0.4
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	701	362	6.4	0.0	6.4
3	765 kV	JHARSUGUDA-DURG	2	80	193	0.0	1.2	-1.2
4	400 kV	JHARSUGUDA-RAIGARH	4	234	326	0.0	0.5	-0.5
5	400 kV	RANCHI-SIPAT	2	210	111	2.2	0.0	2.2
6	220 kV	BUDHIPADAR-RAIGARH	1	72	47	0.2	0.0	0.2
7	220 kV	BUDHIPADAR-KORBA	2	172	0	2.5	0.0	2.5
					ER-WR	11.4	2.1	9.2
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	1983	0.0	36.4	-36.4
3	765 kV	ANGUL-SRIKAKULAM	2	0	2894	0.0	40.7	-40.7
4	400 kV	TALCHER-I/C	2	698	632	0.0	2.9	-2.9
5	220 kV	BALIMELA-UPPER-SILERRU	1	2	0	0.0	0.0	0.0
					ER-SR	0.0	89.8	-89.8
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	0	325	0.0	4.9	-4.9
2	400 kV	ALIPURDUAR-BONGAIGAON	2	2	374	0.0	3.2	-3.2
3	220 kV	ALIPURDUAR-SALAKATI	2	0	89	0.0	1.2	-1.2
					ER-NER	0.0	9.3	-9.3
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	704	0.0	14.7	-14.7
					NER-NR	0.0	14.7	-14.7
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	507	0.0	11.2	-11.2
2	HVDC	VINDHYACHAL B/B	-	451	0	10.2	0.0	10.2
3	HVDC	MUNDRA-MOHINDERGARH	2	0	0	0.0	0.0	0.0
4	765 kV	GWALIOR-AGRA	2	0	1695	0.0	24.6	-24.6
5	765 kV	GWALIOR-PHAGI	2	0	2175	0.0	27.7	-27.7
6	765 kV	JABALPUR-ORAI	2	0	401	0.0	12.0	-12.0
7	765 kV	GWALIOR-ORAI	1	1243	0	20.3	0.0	20.3
8	765 kV	SATNA-ORAI	1	0	687	0.0	13.5	-13.5
9	765 kV	BANASKANTHA-CHITORGARH	2	1548	0	27.0	0.0	27.0
10	765 kV	VINDHYACHAL-VARANASI	2	0	2255	0.0	43.4	-43.4
11	400 kV	ZERDA-KANKROLI	1	330	0	6.5	0.0	6.5
12	400 kV	ZERDA -BHINMAL	1	425	0	8.2	0.0	8.2
13	400 kV	VINDHYACHAL -RIHAND	1	971	0	20.1	0.0	20.1
14	400 kV	RAPP-SHUJALPUR	2	197	230	1.4	0.8	0.7
15	220 kV	BHANPURA-RANPUR	1	68	27	0.4	0.0	0.4
16	220 kV	BHANPURA-MORAK	1	0	30	1.2	0.0	1.2
17	220 kV	MEHGAON-AURAIYA	1	100	0	0.9	0.0	0.9
18	220 kV	MALANPUR-AURAIYA	1	68	0	1.4	0.0	1.4
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	97.5	133.3	-35.8
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	398	0	9.7	0.0	9.7
2	HVDC	RAIGARH-PUGALUR	2	578	0	13.9	0.0	13.9
3	765 kV	SOLAPUR-RAICHUR	2	1007	1957	8.1	8.3	-0.2
4	765 kV	WARDHA-NIZAMABAD	2	0	2441	0.0	23.3	-23.3
5	400 kV	KOLHAPUR-KUDGI	2	1140	0	19.3	0.0	19.3
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	1	86	0.9	0.0	0.9
					WR-SR	51.9	31.6	20.3

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)	273	0	244	5.9
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	627	0	570	13.7
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	132	0	92	2.2
	NER	132kV GELEPHU-SALAKATI	17	1	13	0.3
	NER	132kV MOTANGA-RANGIA	29	0	14	0.3
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	89	36	63	1.5
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-736	-629	-706	-17.0
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-94	0	-83	-2.0