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 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 03.11.2021.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 03-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 03rd 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:** **04-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)	42791	48888	37205	20804	2635	152323
Peak Shortage (MW)	200	0	0	37	0	237
Energy Met (MU)	915	1185	826	419	47	3393
Hydro Gen (MU)	149	29	147	74	17	416
Wind Gen (MU)	17	48	28	-	-	93
Solar Gen (MU)*	58.73	41.44	66.90	4.62	0.30	172
Energy Shortage (MU)	3.45	0.00	0.00	0.47	0.13	4.05
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	45484	54577	40100	21294	2749	158603
Time Of Maximum Demand Met (From NLDC SCADA)	10:12	10:56	09:36	19:23	17:34	10:12

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	0.037	0.00	1.33	5.40	6.74	76.87	16.40

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	5843	0	117.6	71.4	-1.6	75	0.00
	Haryana	5934	0	115.5	87.8	-0.3	178	0.00
	Rajasthan	12382	0	229.8	60.4	-1.3	417	0.00
	Delhi	3389	0	63.0	52.6	-2.0	185	0.00
	UP	13919	0	276.5	106.2	-1.2	321	0.00
	Uttarakhand	1671	0	32.3	18.2	0.1	162	0.00
	HP	1621	0	30.4	15.7	-0.3	276	0.00
	J&K(UT) & Ladakh(UT)	2398	250	46.7	42.3	-3.6	87	3.45
	Chandigarh	169	0	3.1	4.1	-1.0	3	0.00
WR	Chhattisgarh	3709	0	81.3	37.4	-0.1	265	0.00
	Gujarat	14835	0	321.3	192.1	5.4	778	0.00
	MP	11359	0	231.8	168.6	-2.2	538	0.00
	Maharashtra	23573	0	492.2	169.6	-4.1	612	0.00
	Goa	620	0	13.8	11.0	2.2	23	0.00
	DD	312	0	7.0	6.9	0.1	18	0.00
	DNH	807	0	18.8	18.9	-0.1	44	0.00
	AMNSIL	867	0	19.1	8.9	0.1	289	0.00
SR	Andhra Pradesh	7641	0	160.9	58.2	-0.3	519	0.00
	Telangana	8017	0	164.1	35.3	-0.9	532	0.00
	Karnataka	9354	0	178.5	43.2	-1.0	613	0.00
	Kerala	3460	0	71.9	34.4	-1.5	218	0.00
	Tamil Nadu	11843	0	243.9	146.3	-2.7	708	0.00
	Puducherry	351	0	7.2	7.6	-0.4	32	0.00
ER	Bihar	4533	0	78.2	72.3	1.0	327	0.22
	DVC	3239	0	66.9	-30.2	-1.1	287	0.00
	Jharkhand	1433	0	26.7	22.4	-1.8	109	0.25
	Odisha	5681	0	113.2	57.7	-0.7	549	0.00
	West Bengal	7301	0	132.4	-0.7	0.1	343	0.00
	Sikkim	90	0	1.5	1.6	-0.1	44	0.00
NER	Arunachal Pradesh	123	0	2.3	2.2	0.0	38	0.00
	Assam	1632	0	27.8	20.5	0.0	82	0.00
	Manipur	197	0	2.6	2.5	0.1	44	0.13
	Meghalaya	372	0	6.6	4.3	-0.1	25	0.00
	Mizoram	114	0	1.6	1.4	-0.3	15	0.00
	Nagaland	135	0	2.5	2.1	0.1	14	0.00
	Tripura	237	0	3.9	2.6	-0.3	51	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	24.5	1.4	-19.9
Day Peak (MW)	1224.0	87.0	-844.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	172.5	-68.2	47.4	-147.7	-4.0	0.0
Actual(MU)	167.5	-55.9	38.4	-150.1	-2.6	-2.7
O/D/U/D(MU)	-5.0	12.3	-9.0	-2.4	1.4	-2.7

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	6948	15665	8572	1320	555	33059	41
State Sector	12721	20923	10361	4265	11	48281	59
Total	19669	36588	18933	5585	566	81340	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	460	1077	432	513	11	2493	72
Lignite	28	10	28	0	0	66	2
Hydro	149	29	147	74	17	416	12
Nuclear	32	33	69	0	0	134	4
Gas, Naptha & Diesel	16	10	11	0	27	64	2
RES (Wind, Solar, Biomass & Others)	87	89	118	5	0	300	9
Total	773	1248	805	592	55	3473	100

Share of RES in total generation (%)	11.22	7.17	14.71	0.78	0.55	8.63
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	34.69	12.14	41.45	13.33	31.15	24.46

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.035
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: 04-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	12.2	-12.2
2	HVDC	PUSAULI B/B	-	0	249	0.0	6.2	-6.2
3	765 kV	GAYA-VARANASI	2	195	728	0.0	4.5	-4.5
4	765 kV	SASARAM-FATEHPUR	1	0	472	0.0	6.0	-6.0
5	765 kV	GAYA-BALIA	1	0	526	0.0	8.6	-8.6
6	400 kV	PUSAULI-VARANASI	1	0	175	0.0	3.1	-3.1
7	400 kV	PUSAULI -ALLAHABAD	1	0	161	0.0	2.9	-2.9
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	832	0.0	11.4	-11.4
9	400 kV	PATNA-BALIA	4	0	775	0.0	10.7	-10.7
10	400 kV	BIHARSHARIFF-BALIA	2	0	494	0.0	6.7	-6.7
11	400 kV	MOTIHARI-GORAKHPUR	2	0	501	0.0	6.6	-6.6
12	400 kV	BIHARSHARIFF-VARANASI	2	41	349	0.0	3.5	-3.5
13	220 kV	PUSAULI-SAHUPURI	1	22	60	0.0	0.6	-0.6
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	0.3	82.9	-82.6
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	738	532	1.7	0.0	1.7
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	388	608	0.0	0.4	-0.4
3	765 kV	JHARSUGUDA-DURG	2	0	228	0.0	2.5	-2.5
4	400 kV	JHARSUGUDA-RAIGARH	4	99	443	0.0	3.6	-3.6
5	400 kV	RANCHI-SIPAT	2	115	239	0.0	0.6	-0.6
6	220 kV	BUDHIPADAR-RAIGARH	1	40	83	0.0	0.6	-0.6
7	220 kV	BUDHIPADAR-KORBA	2	143	16	1.3	0.0	1.3
					ER-WR	3.0	7.7	-4.7
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	493	0.0	11.0	-11.0
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1984	0.0	36.4	-36.4
3	765 kV	ANGUL-SRIKAKULAM	2	0	3055	0.0	44.1	-44.1
4	400 kV	TALCHER-I/C	2	766	885	0.0	2.0	-2.0
5	220 kV	BALIMELA-UPPER-SILERRU	1	2	0	0.0	0.0	0.0
					ER-SR	0.0	91.5	-91.5
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	0	285	0.0	4.5	-4.5
2	400 kV	ALIPURDUAR-BONGAIGAON	2	0	393	0.0	5.1	-5.1
3	220 kV	ALIPURDUAR-SALAKATI	2	0	95	0.0	1.5	-1.5
					ER-NER	0.0	11.1	-11.1
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	704	0.0	14.0	-14.0
					NER-NR	0.0	14.0	-14.0
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	1006	0.0	15.8	-15.8
2	HVDC	VINDHYACHAL B/B	-	315	485	4.5	1.1	3.4
3	HVDC	MUNDRA-MOHINDERGARH	2	0	0	0.0	0.0	0.0
4	765 kV	GWALIOR-AGRA	2	0	2282	0.0	33.7	-33.7
5	765 kV	GWALIOR-PHAGI	2	0	2248	0.0	35.3	-35.3
6	765 kV	JABALPUR-ORAI	2	0	544	0.0	16.7	-16.7
7	765 kV	GWALIOR-ORAI	1	1393	0	23.6	0.0	23.6
8	765 kV	SATNA-ORAI	1	0	782	0.0	16.3	-16.3
9	765 kV	BANASKANTHA-CHITORGARH	2	1228	0	19.0	0.0	19.0
10	765 kV	VINDHYACHAL-VARANASI	2	0	2368	0.0	47.0	-47.0
11	400 kV	ZERDA-KANKROLI	1	328	0	5.7	0.0	5.7
12	400 kV	ZERDA -BHINMAL	1	420	0	7.8	0.0	7.8
13	400 kV	VINDHYACHAL -RIHAND	1	964	0	21.9	0.0	21.9
14	400 kV	RAPP-SHUJALPUR	2	156	279	0.6	1.5	-1.0
15	220 kV	BHANPURA-RANPUR	1	83	11	1.0	0.0	1.0
16	220 kV	BHANPURA-MORAK	1	0	30	1.7	0.0	1.7
17	220 kV	MEHGAON-AURAIYA	1	105	0	0.7	0.0	0.7
18	220 kV	MALANPUR-AURAIYA	1	72	6	1.2	0.0	1.2
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	87.6	167.5	-79.8
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	402	0	9.5	0.0	9.5
2	HVDC	RAIGARH-PUGALUR	2	1451	0	20.6	0.0	20.6
3	765 kV	SOLAPUR-RAICHUR	2	1234	2504	4.4	10.8	-6.4
4	765 kV	WARDHA-NIZAMABAD	2	0	2526	0.0	26.2	-26.2
5	400 kV	KOLHAPUR-KUDGI	2	1330	0	20.2	0.0	20.2
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	97	1.6	0.0	1.6
					WR-SR	56.3	37.0	19.3

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)	350	0	266	6.4
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	636	0	566	13.6
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	194	0	153	3.7
	NER	132kV GELEPHU-SALAKATI	20	9	16	0.4
	NER	132kV MOTANGA-RANGIA	25	13	18	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	87	35	57	1.4
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-730	-729	-729	-17.5
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-114	0	-100	-2.4