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: 3rd 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 02.11.2021.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 02-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 02nd 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: 03-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)	45560	51517	39226	20380	2633	159316
Peak Shortage (MW)	700	0	0	190	0	890
Energy Met (MU)	926	1224	851	410	47	3458
Hydro Gen (MU)	154	34	137	78	16	419
Wind Gen (MU)	9	36	47	-	-	92
Solar Gen (MU)*	55.09	41.50	68.74	4.53	0.30	170
Energy Shortage (MU)	5.15	0.00	0.00	0.69	0.14	5.98
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	46188	56754	41161	20797	2736	163222
Time Of Maximum Demand Met (From NLDC SCADA)	18:22	10:46	18:29	17:52	17:29	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	0.050	0.00	0.83	10.55	11.39	72.06	16.55

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	5878	500	115.8	55.4	0.1	158	1.40
	Haryana	6108	0	121.3	88.8	1.5	276	0.00
	Rajasthan	12280	0	231.9	77.2	0.3	446	0.30
	Delhi	3424	0	65.3	54.7	-1.6	103	0.00
	UP	14306	0	274.5	112.5	-2.4	327	0.00
	Uttarakhand	1795	0	35.0	19.7	0.6	159	0.00
	HP	1596	0	31.4	16.9	-0.3	133	0.00
	J&K(UT) & Ladakh(UT)	2507	200	47.3	40.4	-1.1	231	3.45
	Chandigarh	172	0	3.1	3.9	-0.8	9	0.00
WR	Chhattisgarh	3666	0	81.6	35.3	0.4	213	0.00
	Gujarat	15996	0	347.7	213.4	0.2	754	0.00
	MP	11317	0	229.5	166.9	-1.9	651	0.00
	Maharashtra	24107	0	507.0	174.1	-3.7	639	0.00
	Goa	619	0	13.9	11.2	2.1	37	0.00
	DD	337	0	7.5	7.4	0.1	27	0.00
	DNH	836	0	19.3	19.2	0.1	63	0.00
	AMNSIL	820	0	17.1	7.4	0.4	318	0.00
SR	Andhra Pradesh	7765	0	163.6	57.5	-1.5	471	0.00
	Telangana	8312	0	167.2	33.8	-1.0	361	0.00
	Karnataka	9066	0	174.7	41.9	-0.8	698	0.00
	Kerala	3462	0	71.5	33.9	-1.0	373	0.00
	Tamil Nadu	12927	0	266.9	165.9	-3.8	495	0.00
	Puducherry	375	0	7.3	7.7	-0.3	51	0.00
ER	Bihar	4476	0	76.0	75.6	-0.1	418	0.08
	DVC	3095	0	65.3	-23.3	-1.1	419	0.00
	Jharkhand	1458	0	25.7	22.5	-2.7	165	0.62
	Odisha	5423	0	110.5	53.6	0.3	350	0.00
	West Bengal	7187	0	131.1	-4.8	0.0	426	0.00
	Sikkim	96	0	1.5	1.6	-0.1	39	0.00
NER	Arunachal Pradesh	131	0	2.3	2.2	0.0	17	0.00
	Assam	1603	0	28.2	20.2	0.8	82	0.00
	Manipur	193	0	2.6	2.5	0.1	40	0.14
	Meghalaya	364	0	6.6	4.5	0.0	90	0.00
	Mizoram	119	0	1.6	1.4	-0.3	21	0.00
	Nagaland	137	0	2.3	2.1	0.0	13	0.00
	Tripura	239	0	3.8	2.6	-0.6	18	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	25.4	0.5	-19.7
Day Peak (MW)	1199.0	67.0	-855.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	170.1	-62.7	56.7	-158.1	-5.9	0.0
Actual(MU)	172.0	-53.5	39.8	-157.8	-5.0	-4.4
O/D/U/D(MU)	1.9	9.3	-16.8	0.3	0.9	-4.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	6448	15005	9532	1260	918	33162	42
State Sector	12976	19581	9066	4515	11	46148	58
Total	19424	34585	18598	5775	929	79311	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	470	1128	439	508	12	2557	72
Lignite	29	10	29	0	0	68	2
Hydro	154	34	137	78	16	419	12
Nuclear	32	33	69	0	0	134	4
Gas, Naptha & Diesel	17	12	11	0	29	68	2
RES (Wind, Solar, Biomass & Others)	75	78	141	5	0	299	8
Total	777	1294	826	591	57	3545	100

Share of RES in total generation (%)	9.68	6.03	17.06	0.77	0.52	8.43
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	33.63	11.17	41.94	13.98	29.36	24.02

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.027
Based on State Max Demands	1.055

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: 03-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	750	0.0	14.5	-14.5
2	HVDC	PUSAULI B/B	-	0	248	0.0	6.2	-6.2
3	765 kV	GAYA-VARANASI	2	105	709	0.0	6.6	-6.6
4	765 kV	SASARAM-FATEHPUR	1	0	527	0.0	7.2	-7.2
5	765 kV	GAYA-BALIA	1	0	540	0.0	9.3	-9.3
6	400 kV	PUSAULI-VARANASI	1	0	166	0.0	3.1	-3.1
7	400 kV	PUSAULI -ALLAHABAD	1	0	166	0.0	2.9	-2.9
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	738	0.0	10.6	-10.6
9	400 kV	PATNA-BALIA	4	0	805	0.0	12.4	-12.4
10	400 kV	BIHARSHARIFF-BALIA	2	0	515	0.0	6.8	-6.8
11	400 kV	MOTIHARI-GORAKHPUR	2	0	448	0.0	6.6	-6.6
12	400 kV	BIHARSHARIFF-VARANASI	2	31	351	0.0	3.2	-3.2
13	220 kV	PUSAULI-SAHUPURI	1	20	71	0.0	0.6	-0.6
14	132 kV	SONE NAGAR-RIHAND	1	0	0	0.1	0.0	0.1
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	0.5	90.1	-89.6
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	999	167	6.0	0.0	6.0
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	316	526	0.0	1.4	-1.4
3	765 kV	JHARSUGUDA-DURG	2	0	249	0.0	2.6	-2.6
4	400 kV	JHARSUGUDA-RAIGARH	4	45	314	0.0	3.3	-3.3
5	400 kV	RANCHI-SIPAT	2	86	164	0.0	0.6	-0.6
6	220 kV	BUDHIPADAR-RAIGARH	1	16	72	0.0	0.7	-0.7
7	220 kV	BUDHIPADAR-KORBA	2	111	0	1.4	0.0	1.4
					ER-WR	7.3	8.6	-1.3
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	495	0.0	11.0	-11.0
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1637	0.0	39.7	-39.7
3	765 kV	ANGUL-SRIKAKULAM	2	0	2656	0.0	42.7	-42.7
4	400 kV	TALCHER-I/C	2	0	400	0.0	7.5	-7.5
5	220 kV	BALIMELA-UPPER-SILERRU	1	2	0	0.0	0.0	0.0
					ER-SR	0.0	93.4	-93.4
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	0	281	0.0	4.9	-4.9
2	400 kV	ALIPURDUAR-BONGAIGAON	2	0	370	0.0	4.6	-4.6
3	220 kV	ALIPURDUAR-SALAKATI	2	0	94	0.0	1.5	-1.5
					ER-NER	0.0	10.9	-10.9
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	704	0.0	17.0	-17.0
					NER-NR	0.0	17.0	-17.0
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	326	0.0	7.7	-7.7
2	HVDC	VINDHYACHAL B/B	-	447	0	7.5	0.0	7.5
3	HVDC	MUNDRA-MOHINDERGARH	2	0	0	0.0	0.0	0.0
4	765 kV	GWALIOR-AGRA	2	0	2114	0.0	34.8	-34.8
5	765 kV	GWALIOR-PHAGI	2	0	2413	0.0	41.5	-41.5
6	765 kV	JABALPUR-ORAI	2	0	561	0.0	18.6	-18.6
7	765 kV	GWALIOR-ORAI	1	1297	0	25.0	0.0	25.0
8	765 kV	SATNA-ORAI	1	0	798	0.0	17.2	-17.2
9	765 kV	BANASKANTHA-CHITORGARH	2	1182	0	22.4	0.0	22.4
10	765 kV	VINDHYACHAL-VARANASI	2	0	2307	0.0	46.3	-46.3
11	400 kV	ZERDA-KANKROLI	1	320	0	5.9	0.0	5.9
12	400 kV	ZERDA -BHINMAL	1	492	0	7.8	0.0	7.8
13	400 kV	VINDHYACHAL -RIHAND	1	974	0	21.8	0.0	21.8
14	400 kV	RAPP-SHUJALPUR	2	80	335	0.0	2.8	-2.8
15	220 kV	BHANPURA-RANPUR	1	94	22	1.1	0.0	1.1
16	220 kV	BHANPURA-MORAK	1	0	30	1.8	0.0	1.8
17	220 kV	MEHGAON-AURAIYA	1	106	0	0.6	0.0	0.6
18	220 kV	MALANPUR-AURAIYA	1	76	3	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	95.1	168.9	-73.8
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	402	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	1377	2140	0.0	2.9	-2.9
4	765 kV	WARDHA-NIZAMABAD	2	62	2329	0.0	25.0	-25.0
5	400 kV	KOLHAPUR-KUDGI	2	1290	0	22.3	0.0	22.3
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	77	1.4	0.0	1.4
					WR-SR	47.3	27.9	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)	327	0	279	6.7
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	630	0	578	13.9
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	195	0	163	3.9
	NER	132kV GELEPHU-SALAKATI	21	13	17	0.4
	NER	132kV MOTANGA-RANGIA	26	13	22	0.5
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	67	-6	19	0.5
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-736	-727	-731	-17.6
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-119	0	-90	-2.2