



National Load Despatch Centre
राष्ट्रीय भार प्रेषण केंद्र
POWER SYSTEM OPERATION CORPORATION LIMITED
पावर 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: 04th November 2022

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., डोंगतेह, 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 03.11.2022.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 03-नवंबर-2022 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रांभांप्रेके की वेबसाइट पर उपलब्ध 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 2022, 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-2022

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)	48410	53339	41374	20662	2723	166508
Peak Shortage (MW)	0	0	0	472	0	472
Energy Met (MU)	1041	1264	904	441	50	3699
Hydro Gen (MU)	146	34	150	69	22	422
Wind Gen (MU)	26	36	18	-	-	80
Solar Gen (MU)*	104.51	53.59	77.56	4.78	0.73	241
Energy Shortage (MU)	1.04	0.00	0.00	4.93	0.00	5.97
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	50390	58601	42863	21205	2854	173476
Time Of Maximum Demand Met (From NLDC SCADA)	19:10	10:31	07:42	17:53	17:22	18:31

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	0.034	0.10	0.66	6.01	6.77	80.30	12.93

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	6216	0	128.1	39.2	-0.8	85	0.00
	Haryana	6301	0	129.8	62.6	-0.6	144	0.00
	Rajasthan	14032	0	281.3	97.8	0.0	340	0.00
	Delhi	3725	0	72.4	65.1	-0.9	176	0.00
	UP	15950	0	304.2	87.5	0.9	416	0.21
	Uttarakhand	1891	0	36.0	22.9	0.2	156	0.41
	HP	1824	0	32.3	17.8	0.0	57	0.00
	J&K(UT) & Ladakh(UT)	2568	0	53.1	47.3	0.6	297	0.42
WR	Chandigarh	195	0	3.5	3.4	0.1	16	0.00
	Chhattisgarh	4059	0	89.6	40.1	0.2	184	0.00
	Gujarat	18354	0	372.7	240.2	-4.4	798	0.00
	MP	12650	0	263.3	162.3	-0.5	648	0.00
	Maharashtra	22621	0	483.2	155.7	4.2	584	0.00
	Goa	659	0	12.3	12.9	-1.2	86	0.00
	DNHDDPDCL	1191	0	26.8	26.7	0.1	56	0.00
SR	AMNSIL	737	0	16.0	8.9	0.5	278	0.00
	Andhra Pradesh	8398	0	181.6	69.4	0.5	650	0.00
	Telangana	9164	0	174.3	16.7	-0.3	542	0.00
	Karnataka	9571	0	185.2	65.6	0.4	724	0.00
	Kerala	3783	0	75.5	49.3	0.1	158	0.00
	Tamil Nadu	13827	0	279.4	160.9	1.1	596	0.00
	Puducherry	371	0	8.2	7.5	0.0	88	0.00
ER	Bihar	4630	0	87.4	76.4	1.3	242	0.99
	DVC	3394	0	69.2	-36.6	-1.8	287	0.00
	Jharkhand	1615	0	30.6	20.4	0.2	222	3.94
	Odisha	5227	0	108.6	34.0	-1.0	419	0.00
	West Bengal	7438	0	143.0	3.8	-1.6	304	0.00
	Sikkim	110	0	1.7	1.6	0.1	44	0.00
NER	Arunachal Pradesh	124	0	2.1	2.2	-0.3	23	0.00
	Assam	1693	0	30.0	22.6	-0.1	103	0.00
	Manipur	201	0	2.6	2.7	0.0	30	0.00
	Meghalaya	361	0	6.4	4.3	0.0	54	0.00
	Mizoram	126	0	1.8	1.4	-0.1	18	0.00
	Nagaland	152	0	2.3	2.0	-0.1	18	0.00
	Tripura	259	0	4.7	3.6	0.2	36	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	12.1	2.7	-24.5
Day Peak (MW)	632.0	117.0	-1082.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	143.6	-6.0	42.0	-174.1	-5.4	0.0
Actual(MU)	139.7	-9.8	49.5	-177.8	-5.8	-4.2
OD/UD(MU)	-3.9	-3.7	7.5	-3.7	-0.4	-4.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	7918	15961	8088	3190	747	35904	49
State Sector	10055	16184	9505	1450	120	37313	51
Total	17973	32144	17593	4640	867	73217	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	623	1144	477	568	15	2827	73
Lignite	30	10	46	0	0	87	2
Hydro	147	34	150	69	22	423	11
Nuclear	26	40	70	0	0	136	3
Gas, Naptha & Diesel	15	0	4	0	24	42	1
RES (Wind, Solar, Biomass & Others)	137	90	139	5	1	371	10
Total	978	1318	887	642	62	3887	100
Share of RES in total generation (%)	13.98	6.80	15.70	0.74	1.17	9.55	
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	31.66	12.43	40.58	11.52	37.09	23.94	

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.014
Based on State Max Demands	1.057

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-2022

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	651	0.0	16.0	-16.0	
2	HVDC	PUSAULI B/B	-	0	348	0.0	8.4	-8.4	
3	765 kV	GAYA-VARANASI	2	0	941	0.0	11.4	-11.4	
4	765 kV	SASARAM-FATEHPUR	1	0	542	0.0	8.0	-8.0	
5	765 kV	GAYA-BALIA	1	0	560	0.0	10.5	-10.5	
6	400 kV	PUSAULI-VARANASI	1	0	234	0.0	5.0	-5.0	
7	400 kV	PUSAULI-ALLAHABAD	1	0	162	0.0	3.2	-3.2	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	819	0.0	12.6	-12.6	
9	400 kV	PATNA-BALIA	2	0	433	0.0	6.5	-6.5	
10	400 kV	SAUBATPUR-BALIA	2	0	466	0.0	6.8	-6.8	
11	400 kV	BIHARSHARIF-BALIA	2	0	342	0.0	4.8	-4.8	
12	400 kV	MOTIHARI-GORAKHPUR	2	0	395	0.0	6.9	-6.9	
13	400 kV	BIHARSHARIF-VARANASI	2	0	330	0.0	3.6	-3.6	
14	220 kV	SAHPURI-KARMANASA	1	0	96	0.0	0.9	-0.9	
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.0	0.0	0.0	
16	132 kV	GARWAH-RIHAND	1	25	0	0.4	0.0	0.4	
17	132 kV	KARMANASA-SAHUPURI	1	0	35	0.0	0.0	0.0	
18	132 kV	KARMANASA-CHANDAUJI	1	0	0	0.0	0.0	0.0	
						ER-NR	0.4	104.6	-104.2
Import/Export of ER (With WR)									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	466	137	3.5	0.0	3.5	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	527	651	0.9	0.0	0.9	
3	765 kV	JHARSUGUDA-DURG	2	0	651	0.0	11.1	-11.1	
4	400 kV	JHARSUGUDA-RAIGARH	4	0	572	0.0	7.0	-7.0	
5	400 kV	RANCHI-SIPAT	2	137	275	0.0	0.5	-0.5	
6	220 kV	BUDHIPADAR-RAIGARH	1	0	142	0.0	1.6	-1.6	
7	220 kV	BUDHIPADAR-KORBA	2	103	52	0.7	0.0	0.7	
						ER-WR	5.1	20.2	-15.1
Import/Export of ER (With SR)									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	330	0.0	7.4	-7.4	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1639	0.0	39.5	-39.5	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2440	0.0	41.5	-41.5	
4	400 kV	TALCHER-1/C	2	0	415	0.0	6.9	-6.9	
5	220 kV	BALIMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0	
						ER-SR	0.0	88.4	-88.4
Import/Export of ER (With NER)									
1	400 kV	BINAGURI-BONGAIGAON	2	0	501	0.0	7.2	-7.2	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	60	347	0.0	3.0	-3.0	
3	220 kV	ALIPURDUAR-SALAKATI	2	0	46	0.0	0.3	-0.3	
						ER-NER	0.0	10.5	-10.5
Import/Export of NER (With NR)									
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	702	0.0	16.9	-16.9	
						NER-NR	0.0	16.9	-16.9
Import/Export of WR (With NR)									
1	HVDC	CHAMPVA-KURUKSHETRA	2	0	323	0.0	7.7	-7.7	
2	HVDC	VINDHYACHAL B/B	-	430	0	9.4	0.0	9.4	
3	HVDC	MUNDRA-MOHINDERGARH	2	250	0	1.8	0.0	1.8	
4	765 kV	GWALIOR-AGRA	2	0	1179	0.0	16.4	-16.4	
5	765 kV	GWALIOR-PHAGI	2	0	2269	0.0	36.6	-36.6	
6	765 kV	JABALPUR-ORAI	2	0	524	0.0	20.2	-20.2	
7	765 kV	GWALIOR-ORAI	1	1023	0	17.8	0.0	17.8	
8	765 kV	SATNA-ORAI	1	0	824	0.0	17.7	-17.7	
9	765 kV	BANASKANTHA-CHITORGARH	2	2432	0	39.8	0.0	39.8	
10	765 kV	VINDHYACHAL-VARANASI	2	0	1687	0.0	27.5	-27.5	
11	400 kV	ZERDA-KANKROLI	1	394	0	6.6	0.0	6.6	
12	400 kV	ZERDA-BHINMAL	1	685	0	10.1	0.0	10.1	
13	400 kV	VINDHYACHAL-RIHAND	1	478	0	10.8	0.0	10.8	
14	400 kV	RAPP-SHUALPUR	2	360	228	1.6	1.9	-0.3	
15	220 kV	BHANPURA-RANPUR	1	0	0	0.0	0.0	0.0	
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	1.8	-1.8	
17	220 kV	MEHGAON-AURAIYA	1	127	0	1.1	0.0	1.1	
18	220 kV	MALANPUR-AURAIYA	1	98	0	1.6	0.0	1.6	
19	132 kV	GWALIOR-SAWAI MADHOPUR	1	0	0	0.0	0.0	0.0	
20	132 kV	RAIGHAT-LALITPUR	2	0	0	0.0	0.0	0.0	
						WR-NR	100.4	129.7	-29.3
Import/Export of WR (With SR)									
1	HVDC	BHADRAWATI B/B	-	693	0	16.8	0.0	16.8	
2	HVDC	RAIGARH-PUGALTUR	2	0	604	0.0	14.6	-14.6	
3	765 kV	SOLAPUR-RAICHUR	2	1038	1246	7.3	5.0	2.2	
4	765 kV	WARDHA-NIZAMABAD	2	0	1965	0.0	22.5	-22.5	
5	400 kV	KOLHAPUR-KUDGI	2	1124	0	20.1	0.0	20.1	
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	NELDEAM-AMBEWADI	1	0	115	2.2	42.1	2.2	
						WR-SR	46.4	42.1	4.3

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 MANGDECHHU HEP 4*180MW)	178	0	138	3.3	
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW))	372	0	342	8.2	
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	82	0	55	1.3	
	NER	132kV GELEPHU-SALAKATI	40	0	5	0.1	
	NER	132kV MOTANGA-RANGIA	30	0	21	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	177	0	113	2.7	
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-942	-749	-889	-21.3	
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-140	0	-130	-3.1	