



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: 10th Feb 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 09.02.2022.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 09-फरवरी-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 09th February 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: 10-Feb-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)	52444	56354	44331	19726	2676	175531
Peak Shortage (MW)	250	0	0	209	0	459
Energy Met (MU)	1027	1328	1086	411	48	3900
Hydro Gen (MU)	102	43	90	29	9	274
Wind Gen (MU)	6	56	46	-	-	108
Solar Gen (MU)*	77.04	41.15	104.97	4.85	0.41	228
Energy Shortage (MU)	5.40	8.57	0.00	1.63	0.00	15.60
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	53688	63044	54542	19909	2735	187948
Time Of Maximum Demand Met (From NLDC SCADA)	18:56	10:26	10:58	18:33	18:07	10:25

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	0.027	0.00	0.00	0.32	0.32	72.93	26.74

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	6619	0	118.2	38.7	-0.7	77	0.00
	Haryana	6269	0	120.3	68.4	1.3	295	0.75
	Rajasthan	14409	0	266.6	64.2	-1.2	230	0.00
	Delhi	4196	0	69.0	58.0	-1.5	171	0.00
	UP	18045	0	308.6	99.3	0.2	474	0.00
	Uttarakhand	2335	0	44.4	33.6	0.9	199	0.00
	HP	1932	0	34.8	26.4	0.1	161	0.00
	J&K(UT) & Ladakh(UT)	3217	300	61.3	56.1	-0.1	318	4.65
WR	Chhattisgarh	231	0	3.9	4.1	-0.2	29	0.00
	Chhattisgarh	4493	0	94.3	40.1	-0.1	208	0.00
	Gujarat	16755	0	357.8	202.7	2.5	527	0.00
	MP	15039	0	299.6	183.9	-1.5	504	0.00
	Maharashtra	25494	716	517.5	143.9	-5.0	560	8.57
	Goa	572	0	12.0	11.5	0.2	26	0.00
	DD	342	0	7.8	7.3	0.5	44	0.00
	DNH	865	0	19.9	19.9	0.0	59	0.00
SR	AMNSIL	852	0	18.8	9.9	-0.1	315	0.00
	Andhra Pradesh	10954	0	202.9	60.6	1.1	1195	0.00
	Telangana	11889	0	217.9	86.6	-0.1	486	0.00
	Karnataka	13390	0	250.6	99.0	2.4	1277	0.00
	Kerala	3864	0	79.5	57.0	0.3	255	0.00
	Tamil Nadu	15696	0	327.2	192.9	-0.2	460	0.00
	Puducherry	388	0	7.9	8.0	-0.1	33	0.00
	Bihar	4775	0	84.0	72.9	-1.5	329	0.00
ER	DVC	3074	0	69.0	-43.4	0.0	320	0.00
	Jharkhand	1461	0	29.9	20.0	-0.2	151	1.63
	Odisha	5756	0	108.5	55.7	0.6	572	0.00
	West Bengal	5981	0	117.8	3.1	-0.8	358	0.00
	Sikkim	120	0	1.9	2.2	-0.3	11	0.00
	Arunachal Pradesh	156	0	2.5	2.6	-0.2	36	0.00
	Assam	1467	0	25.9	18.9	0.2	90	0.00
	Manipur	243	0	3.6	3.5	0.1	32	0.00
NER	Meghalaya	415	0	7.7	5.8	0.2	45	0.00
	Mizoram	139	0	2.0	1.9	-0.2	27	0.00
	Nagaland	151	0	2.4	2.3	0.0	18	0.00
	Tripura	216	0	3.7	2.3	-0.2	46	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	-1.7	-10.7	-19.9
Day Peak (MW)	-262.0	-599.5	-861.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	167.0	-138.9	109.0	-136.8	-0.3	0.0
Actual(MU)	146.4	-131.9	121.8	-141.7	-0.9	-6.4
O/D/U/D(MU)	-20.6	7.0	12.8	-4.9	-0.7	-6.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	6066	12898	6362	1646	369	27340	42
State Sector	10325	15671	7973	4135	11	38115	58
Total	16391	28568	14335	5781	380	65455	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	617	1290	579	566	14	3066	76
Lignite	27	10	49	0	0	86	2
Hydro	102	43	90	29	9	274	7
Nuclear	33	21	70	0	0	124	3
Gas, Naptha & Diesel	15	17	10	0	29	71	2
RES (Wind, Solar, Biomass & Others)	109	99	179	5	0	392	10
Total	903	1481	976	600	53	4012	100
Share of RES in total generation (%)	12.08	6.67	18.30	0.81	0.77	9.76	
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	27.06	11.03	34.66	5.58	18.47	19.67	

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.032
Based on State Max Demands	1.074

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: 10-Feb-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	0	0.0	0.0	0.0	
2	HVDC	PUSAULI B/B	2	3	0	0.0	0.0	0.0	
3	765 kV	GAYA-VARANASI	2	0	787	0.0	11.9	-11.9	
4	765 kV	SASARAM-FATEHPUR	1	0	537	0.0	9.5	-9.5	
5	765 kV	GAYA-BALIA	1	0	620	0.0	9.7	-9.7	
6	400 kV	PUSAULI-VARANASI	1	26	65	0.0	1.4	-1.4	
7	400 kV	PUSAULI-ALLAHABAD	1	0	148	0.0	1.9	-1.9	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	610	0.0	7.6	-7.6	
9	400 kV	PATNA-BALIA	4	0	1465	0.0	26.8	-26.8	
10	400 kV	BIHARSHARIFF-BALIA	2	0	612	0.0	8.8	-8.8	
11	400 kV	MOTIHARI-GORAKHPUR	2	0	455	0.0	7.4	-7.4	
12	400 kV	BIHARSHARIFF-VARANASI	2	0	429	0.0	6.7	-6.7	
13	220 kV	SAHUPURI-KARMANASA	1	0	109	0.0	0.7	-0.7	
14	132 kV	SONE NAGAR-RIHAND	1	0	0	0.0	0.0	0.0	
15	132 kV	GARWAH-RIHAND	1	25	0	0.0	0.0	0.0	
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	92.4	-92.1
Import/Export of ER (With WR)									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	638	588	1.7	0.0	1.7	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	48	1132	0.0	9.2	-9.2	
3	765 kV	JHARSUGUDA-DURG	2	178	258	0.0	0.0	0.0	
4	400 kV	JHARSUGUDA-RAIGARH	4	153	405	0.0	3.1	-3.1	
5	400 kV	RANCHI-SIPAT	2	61	305	0.0	2.1	-2.1	
6	220 kV	BUDHIPADAR-RAIGARH	1	27	108	0.0	1.0	-1.0	
7	220 kV	BUDHIPADAR-KORBA	2	114	0	1.5	0.0	1.5	
						ER-WR	3.2	15.3	-12.1
Import/Export of ER (With SR)									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	605	0.0	10.7	-10.7	
2	HVDC	TALCHER-KOLAR BIPOLE	2	23	1988	0.0	31.5	-31.5	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2928	0.0	51.9	-51.9	
4	400 kV	TALCHER-I/C	2	1669	162	12.0	0.0	12.0	
5	220 kV	BALMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0	
						ER-SR	0.0	94.1	-94.1
Import/Export of ER (With NER)									
1	400 kV	BINAGURI-BONGAIGAON	2	374	0	4.0	0.0	4.0	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	515	0	7.5	0.0	7.5	
3	220 kV	ALIPURDUAR-SALAKATI	2	92	0	1.3	0.0	1.3	
						ER-NER	12.8	0.0	12.8
Import/Export of NER (With NR)									
1	HVDC	BISWANATH CHARIALI-AGRA	2	479	0	11.6	0.0	11.6	
						NER-NR	11.6	0.0	11.6
Import/Export of WR (With NR)									
1	HVDC	CHAMPA-KURUKSHETRA	2	0	2010	0.0	32.6	-32.6	
2	HVDC	VINDHYACHAL B/B	2	451	200	4.3	2.1	2.2	
3	HVDC	MUNDRAL-MOHINDERGARH	2	0	128	0.0	3.1	-3.1	
4	765 kV	GWALIOR-AGRA	2	150	1686	0.1	19.9	-19.8	
5	765 kV	GWALIOR-PHAGI	2	0	1836	0.0	27.2	-27.2	
6	765 kV	JABALPUR-ORAI	2	0	950	0.0	23.7	-23.7	
7	765 kV	GWALIOR-ORAI	1	946	0	15.6	0.0	15.6	
8	765 kV	SATNA-ORAI	1	0	961	0.0	18.0	-18.0	
9	765 kV	BANASKANTHA-CHITORGARH	2	2058	0	34.7	0.0	34.7	
10	765 kV	VINDHYACHAL-VARANASI	2	0	2088	0.0	30.5	-30.5	
11	400 kV	ZERDA-KANKROLI	1	356	0	6.5	0.0	6.5	
12	400 kV	ZERDA -BHINMAL	1	523	0	7.4	0.0	7.4	
13	400 kV	VINDHYACHAL -RIHAND	1	482	0	10.6	0.0	10.6	
14	400 kV	RAPP-SHUALPUR	2	427	253	3.0	1.1	1.9	
15	220 kV	BHANPURA-RANPUR	1	0	0	0.0	0.0	0.0	
16	220 kV	BHANPURA-MORAK	1	0	30	2.9	0.0	2.9	
17	220 kV	MEHGAON-AURAIYA	1	144	0	1.4	0.0	1.4	
18	220 kV	MALANPUR-AURAIYA	1	100	0	2.3	0.0	2.3	
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	88.8	158.1	-69.4
Import/Export of WR (With SR)									
1	HVDC	BHADRAWATI B/B	-	0	617	0.0	10.3	-10.3	
2	HVDC	RAIGARH-PUGALUR	2	0	1500	0.0	22.9	-22.9	
3	765 kV	SOLAPUR-RAICHUR	2	239	1894	0.1	18.8	-18.7	
4	765 kV	WARDHA-NIZAMABAD	2	0	2748	0.0	40.4	-40.4	
5	400 kV	KOLHAPUR-KUDGI	2	1160	0	16.4	0.0	16.4	
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	75	1.4	0.0	1.4	
						WR-SR	17.9	92.4	-74.6

INTERNATIONAL EXCHANGES			Import(+ve)/Export(-ve) Energy Exchange (MU)			
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)	137	0	18	0.4
	ER	400kV TALA-BINAGURI 1,2,3 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW))	0	0	0	0.0
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	0	0	0	0.0
	NER	132kV GELEPHU-SALAKATI	-10	9	-1	0.0
	NER	132kV MOTANGA-RANGIA	-20	-5	-11	-0.3
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-79	0	-69	-1.7
	ER	NEPAL IMPORT (FROM BIHAR)	-214	-41	-111	-2.7
BANGLADESH	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-307	0	-267	-6.4
	ER	BHERAMARA B/B HVDC (BANGLADESH)	-750	-702	-741	-17.8
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-111	0	-90	-2.2