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, क़ुतुब इन्स्टीट्यूशनल एरिया, कटवारिया सराये, न्यू दिल्ली-110016

Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 25th 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., 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 24.02.2022.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 24-फ़रवरी-2022 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 24th 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:** **25-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)	51454	56605	46039	19641	2653	176392
Peak Shortage (MW)	820	0	0	0	0	820
Energy Met (MU)	1047	1375	1159	412	47	4041
Hydro Gen (MU)	124	56	103	26	8	318
Wind Gen (MU)	6	36	48	-	-	90
Solar Gen (MU)*	80.59	46.84	112.96	5.08	0.39	246
Energy Shortage (MU)	13.60	0.02	0.00	1.56	0.00	15.18
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	51976	63923	56861	19870	2710	191583
Time Of Maximum Demand Met (From NLDC SCADA)	18:57	11:29	10:15	18:38	18:08	10:54

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	0.049	0.00	1.38	11.04	12.42	78.22	9.36

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	7032	0	139.2	41.6	-0.4	198	0.00
	Haryana	7021	125	129.6	79.8	0.6	184	3.53
	Rajasthan	14844	27	281.3	69.0	2.5	509	4.90
	Delhi	3759	0	64.4	52.5	-1.0	184	0.00
	UP	17516	0	309.7	85.1	-0.5	264	0.00
	Uttarakhand	2045	80	38.5	24.5	0.7	202	0.52
	HP	1865	0	33.3	25.1	1.0	288	0.00
	J&K(UT) & Ladakh(UT)	2772	250	47.5	39.7	2.8	543	4.65
	Chandigarh	206	0	3.3	3.7	-0.4	6	0.00
WR	Chhattisgarh	4664	0	102.5	45.5	0.6	368	0.00
	Gujarat	17197	0	369.6	219.4	7.4	1096	0.00
	MP	14381	0	295.4	178.0	-0.5	699	0.00
	Maharashtra	26307	0	550.1	196.3	-1.8	659	0.00
	Goa	607	20	12.4	12.0	0.1	104	0.02
	DD	352	0	7.9	7.4	0.5	95	0.00
	DNH	875	0	20.0	19.6	0.4	133	0.00
	AMNSIL	786	0	17.0	4.6	-0.9	176	0.00
SR	Andhra Pradesh	11056	0	212.6	90.1	1.8	957	0.00
	Telangana	12907	0	248.4	106.5	-1.2	404	0.00
	Karnataka	14333	0	266.5	92.0	-1.0	834	0.00
	Kerala	3967	0	82.6	56.2	-0.5	186	0.00
	Tamil Nadu	15876	0	340.6	205.1	1.5	1728	0.00
	Puducherry	389	0	8.1	8.3	-0.3	60	0.00
ER	Bihar	4728	0	81.8	76.0	-1.0	272	0.39
	DVC	3240	0	70.9	-51.1	0.0	181	0.00
	Jharkhand	1436	205	25.0	17.9	-2.6	181	1.17
	Odisha	5302	0	111.4	46.8	-1.1	354	0.00
	West Bengal	6478	0	121.2	-8.1	-1.1	352	0.00
	Sikkim	122	0	2.2	2.1	0.1	42	0.00
NER	Arunachal Pradesh	156	0	2.6	2.7	-0.2	36	0.00
	Assam	1481	0	25.9	18.9	0.4	109	0.00
	Manipur	234	0	3.5	3.4	0.1	16	0.00
	Meghalaya	387	0	7.4	5.9	0.1	71	0.00
	Mizoram	129	0	1.8	1.9	-0.3	21	0.00
	Nagaland	153	0	2.6	2.3	0.2	19	0.00
	Tripura	225	0	3.8	2.2	-0.2	12	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	-2.4	-11.1	-19.6
Day Peak (MW)	-315.0	-763.1	-846.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	118.7	-105.0	149.4	-164.3	1.2	0.0
Actual(MU)	111.0	-123.1	157.7	-177.1	-1.2	-32.8
O/D/U/D(MU)	-7.7	-18.1	8.3	-12.9	-2.4	-32.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	6949	12930	6742	2481	334	29436	41
State Sector	10584	18699	9788	3100	11	42182	59
Total	17534	31628	16530	5581	345	71617	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	645	1291	596	601	15	3149	76
Lignite	21	16	44	0	0	81	2
Hydro	124	56	103	26	8	318	8
Nuclear	32	33	66	0	0	131	3
Gas, Naptha & Diesel	15	10	7	0	29	61	1
RES (Wind, Solar, Biomass & Others)	116	84	199	5	0	405	10
Total	954	1489	1014	632	53	4143	100

Share of RES in total generation (%)	12.16	5.64	19.60	0.80	0.73	9.76
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	28.55	11.59	36.26	4.88	16.37	20.58

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.020
Based on State Max Demands	1.069

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: 25-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	-	3	0	0.0	0.0	0.0
3	765 kV	GAYA-VARANASI	2	0	848	0.0	14.2	-14.2
4	765 kV	SASARAM-FATEHPUR	1	0	570	0.0	10.8	-10.8
5	765 kV	GAYA-BALIA	1	0	707	0.0	11.6	-11.6
6	400 kV	PUSAULI-VARANASI	1	0	126	0.0	2.4	-2.4
7	400 kV	PUSAULI -ALLAHABAD	1	0	178	0.0	2.5	-2.5
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	674	0.0	7.3	-7.3
9	400 kV	PATNA-BALIA	4	0	872	0.0	16.8	-16.8
10	400 kV	BIHARSHARIFF-BALIA	2	0	690	0.0	9.0	-9.0
11	400 kV	MOTIHARI-GORAKHPUR	2	0	420	0.0	6.7	-6.7
12	400 kV	BIHARSHARIFF-VARANASI	2	0	375	0.0	6.2	-6.2
13	220 kV	SAHUPURI-KARAMNASA	1	2	119	0.0	1.5	-1.5
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	89.0	-88.7
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	660	148	5.2	0.0	5.2
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	0	965	0.0	11.9	-11.9
3	765 kV	JHARSUGUDA-DURG	2	0	408	0.0	6.8	-6.8
4	400 kV	JHARSUGUDA-RAIGARH	4	0	604	0.0	10.1	-10.1
5	400 kV	RANCHI-SIPAT	2	0	346	0.0	4.0	-4.0
6	220 kV	BUDHIPADAR-RAIGARH	1	0	190	0.0	3.1	-3.1
7	220 kV	BUDHIPADAR-KORBA	2	43	38	0.0	0.0	0.0
					ER-WR	5.2	36.0	-30.8
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	388	0.0	8.6	-8.6
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	2009	0.0	45.1	-45.1
3	765 kV	ANGUL-SRIKAKULAM	2	0	2990	0.0	59.9	-59.9
4	400 kV	TALCHER-I/C	2	1426	181	0.5	0.0	0.5
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
					ER-SR	0.0	113.6	-113.6
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	323	0	3.2	0.0	3.2
2	400 kV	ALIPURDUAR-BONGAIGAON	2	405	0	5.7	0.0	5.7
3	220 kV	ALIPURDUAR-SALAKATI	2	74	0	1.0	0.0	1.0
					ER-NER	10.0	0.0	10.0
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	467	0	8.8	0.0	8.8
					NER-NR	8.8	0.0	8.8
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	599	0.0	14.4	-14.4
2	HVDC	VINDHYACHAL B/B	-	137	0	3.7	0.0	3.7
3	HVDC	MUNDRA-MOHINDERGARH	2	0	251	0.0	6.2	-6.2
4	765 kV	GWALIOR-AGRA	2	33	1256	0.0	12.4	-12.4
5	765 kV	GWALIOR-PHAGI	2	0	1807	0.0	30.1	-30.1
6	765 kV	JABALPUR-ORAI	2	0	883	0.0	21.0	-21.0
7	765 kV	GWALIOR-ORAI	1	909	0	15.7	0.0	15.7
8	765 kV	SATNA-ORAI	1	0	949	0.0	17.7	-17.7
9	765 kV	BANASKANTHA-CHITORGARH	2	2211	0	28.7	0.0	28.7
10	765 kV	VINDHYACHAL-VARANASI	2	0	2061	0.0	26.0	-26.0
11	400 kV	ZERDA-KANKROLI	1	439	0	7.9	0.0	7.9
12	400 kV	ZERDA -BHINMAL	1	515	0	7.6	0.0	7.6
13	400 kV	VINDHYACHAL -RIHAND	1	483	0	11.0	0.0	11.0
14	400 kV	RAPP-SHUJALPUR	2	388	301	3.3	0.8	2.5
15	220 kV	BHANPURA-RANPUR	1	0	0	0.0	0.0	0.0
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	0.0	0.0
17	220 kV	MEHGAON-AURAIYA	1	129	0	1.4	0.0	1.4
18	220 kV	MALANPUR-AURAIYA	1	85	0	2.4	0.0	2.4
19	132 kV	GWALIOR-SAWAI MADHOPUR	1	0	0	0.0	0.0	0.0
20	132 kV	RAJGHAT-LALITPUR	2	0	0	13.4	0.0	13.4
					WR-NR	95.0	128.6	-33.6
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	0	1016	0.0	13.8	-13.8
2	HVDC	RAIGARH-PUGALUR	2	0	3003	0.0	45.2	-45.2
3	765 kV	SOLAPUR-RAICHUR	2	890	1588	1.0	12.5	-11.5
4	765 kV	WARDHA-NIZAMABAD	2	0	3023	0.0	45.2	-45.2
5	400 kV	KOLHAPUR-KUDGI	2	1228	0	20.5	0.0	20.5
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	1290.79	0	78	1.4	0.0	1.4
					WR-SR	22.9	116.7	-93.8

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)	127	0	22	0.5
	ER	400kV TALA-BINAGURI 1,2,4 (& 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	15	3	9	0.2
	NER	132kV MOTANGA-RANGIA	13	3	4	0.1
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-80	0	-72	-1.7
	ER	NEPAL IMPORT (FROM BIHAR)	-325	-57	-143	-3.4
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-358	-15	-248	-6.0
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-726	-679	-715	-17.2
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-120	0	-102	-2.4