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: 24th 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 23.02.2022.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 23-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 23rd 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:** **24-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)	51083	57048	45823	21106	2614	177674
Peak Shortage (MW)	125	0	0	335	0	460
Energy Met (MU)	1014	1364	1147	425	47	3997
Hydro Gen (MU)	121	57	95	26	9	308
Wind Gen (MU)	12	42	69	-	-	123
Solar Gen (MU)*	78.14	46.83	119.34	5.19	0.36	250
Energy Shortage (MU)	9.31	0.02	0.26	2.65	0.00	12.24
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	51839	63199	55745	21209	2629	189314
Time Of Maximum Demand Met (From NLDC SCADA)	18:53	11:28	10:48	18:34	18:02	10:53

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	0.028	0.00	0.00	3.84	3.84	79.83	16.33

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	6722	0	126.8	41.8	0.0	326	0.55
	Haryana	6854	0	126.1	78.1	1.2	235	2.08
	Rajasthan	15060	0	282.6	66.9	4.0	738	1.46
	Delhi	3871	0	65.1	52.8	-0.7	228	0.00
	UP	17464	0	303.6	85.7	0.2	539	0.00
	Uttarakhand	2052	70	38.5	25.7	-0.1	130	0.55
	HP	1830	0	33.0	25.4	-0.1	310	0.02
	J&K(UT) & Ladakh(UT)	1896	0	35.4	31.5	-1.3	480	4.65
	Chandigarh	175	0	2.4	4.2	-1.8	7	0.00
WR	Chhattisgarh	4500	0	100.0	35.2	-0.2	272	0.00
	Gujarat	16773	0	367.6	220.7	5.8	768	0.00
	MP	14627	0	295.8	173.1	-2.0	506	0.00
	Maharashtra	25558	0	542.7	202.7	-1.6	816	0.00
	Goa	586	20	12.4	11.9	0.2	64	0.02
	DD	349	0	7.8	7.4	0.4	96	0.00
	DNH	873	0	20.0	19.8	0.2	127	0.00
	AMNSIL	821	0	17.4	4.6	-0.8	235	0.00
SR	Andhra Pradesh	10943	450	212.4	81.4	0.2	566	0.26
	Telangana	12378	0	239.4	93.3	0.3	640	0.00
	Karnataka	14196	0	265.3	99.8	-2.0	947	0.00
	Kerala	4027	0	82.6	58.2	-0.4	211	0.00
	Tamil Nadu	15746	0	339.6	200.8	-2.4	957	0.00
	Puducherry	391	0	8.0	8.1	-0.1	24	0.00
ER	Bihar	5269	0	84.5	77.9	0.2	317	0.04
	DVC	3462	0	70.7	-47.7	-1.3	257	0.00
	Jharkhand	1558	158	27.6	19.5	-1.4	207	2.61
	Odisha	5638	0	115.0	50.0	-0.1	406	0.00
	West Bengal	7043	0	125.4	-5.3	0.5	430	0.00
	Sikkim	130	0	2.0	2.2	-0.2	41	0.00
NER	Arunachal Pradesh	153	0	2.6	2.7	-0.3	35	0.00
	Assam	1475	0	25.7	19.0	0.2	153	0.00
	Manipur	245	0	3.4	3.4	0.0	61	0.00
	Meghalaya	403	0	7.4	5.7	0.1	54	0.00
	Mizoram	118	0	1.8	1.9	-0.3	10	0.00
	Nagaland	151	0	2.6	2.3	0.2	21	0.00
	Tripura	220	0	3.8	2.2	-0.2	19	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	-2.4	-11.3	-19.8
Day Peak (MW)	-319.0	-702.7	-853.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	114.4	-99.8	130.8	-146.5	1.2	0.0
Actual(MU)	103.9	-81.4	145.9	-169.0	-1.6	-2.2
O/D/U/D(MU)	-10.5	18.4	15.1	-22.5	-2.7	-2.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	6718	12930	6532	2831	369	29379	42
State Sector	10584	19659	7978	2500	11	40732	58
Total	17302	32588	14510	5331	380	70111	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	618	1266	582	608	15	3089	75
Lignite	23	15	45	0	0	84	2
Hydro	121	57	95	26	9	308	7
Nuclear	32	30	65	0	0	127	3
Gas, Naptha & Diesel	16	10	7	0	29	63	2
RES (Wind, Solar, Biomass & Others)	121	90	224	5	0	441	11
Total	932	1468	1019	639	53	4111	100

Share of RES in total generation (%)	12.96	6.12	22.03	0.82	0.68	10.72
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	29.45	12.01	37.72	4.88	17.38	21.30

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.028
Based on State Max Demands	1.075

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: 24-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	-	4	0	0.0	0.0	0.0
3	765 kV	GAYA-VARANASI	2	0	916	0.0	15.9	-15.9
4	765 kV	SASARAM-FATEHPUR	1	0	553	0.0	10.4	-10.4
5	765 kV	GAYA-BALIA	1	0	682	0.0	10.9	-10.9
6	400 kV	PUSAULI-VARANASI	1	0	127	0.0	1.7	-1.7
7	400 kV	PUSAULI -ALLAHABAD	1	0	167	0.0	2.1	-2.1
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	645	0.0	7.6	-7.6
9	400 kV	PATNA-BALIA	4	0	901	0.0	16.7	-16.7
10	400 kV	BIHARSHARIFF-BALIA	2	0	592	0.0	8.7	-8.7
11	400 kV	MOTIHARI-GORAKHPUR	2	0	441	0.0	7.2	-7.2
12	400 kV	BIHARSHARIFF-VARANASI	2	0	390	0.0	6.6	-6.6
13	220 kV	SAHUPURI-KARAMNASA	1	0	125	0.0	1.6	-1.6
14	132 kV	SONE NAGAR-RIHAND	1	0	0	0.1	0.0	0.1
15	132 kV	GARWAH-RIHAND	1	25	0	0.4	0.0	0.4
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	89.3	-88.8
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	822	157	8.1	0.0	8.1
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	101	966	0.0	11.3	-11.3
3	765 kV	JHARSUGUDA-DURG	2	0	508	0.0	6.9	-6.9
4	400 kV	JHARSUGUDA-RAIGARH	4	0	586	0.0	7.4	-7.4
5	400 kV	RANCHI-SIPAT	2	9	300	0.0	3.0	-3.0
6	220 kV	BUDHIPADAR-RAIGARH	1	0	220	0.0	2.9	-2.9
7	220 kV	BUDHIPADAR-KORBA	2	56	26	0.6	0.0	0.6
					ER-WR	8.8	31.4	-22.7
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	1994	0.0	48.1	-48.1
3	765 kV	ANGUL-SRIKAKULAM	2	0	3180	0.0	58.5	-58.5
4	400 kV	TALCHER-I/C	2	0	198	0.0	2.6	-2.6
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
					ER-SR	0.0	115.3	-115.3
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	411	0	4.3	0.0	4.3
2	400 kV	ALIPURDUAR-BONGAIGAON	2	539	0	6.5	0.0	6.5
3	220 kV	ALIPURDUAR-SALAKATI	2	100	0	1.1	0.0	1.1
					ER-NER	11.9	0.0	11.9
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	469	0	11.2	0.0	11.2
					NER-NR	11.2	0.0	11.2
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	642	0.0	11.7	-11.7
2	HVDC	VINDHYACHAL B/B	-	319	52	6.3	0.0	6.3
3	HVDC	MUNDRA-MOHINDERGARH	2	0	250	0.0	6.2	-6.2
4	765 kV	GWALIOR-AGRA	2	141	1239	0.1	12.4	-12.3
5	765 kV	GWALIOR-PHAGI	2	0	1959	0.0	30.7	-30.7
6	765 kV	JABALPUR-ORAI	2	0	869	0.0	21.0	-21.0
7	765 kV	GWALIOR-ORAI	1	878	0	15.4	0.0	15.4
8	765 kV	SATNA-ORAI	1	0	944	0.0	17.7	-17.7
9	765 kV	BANASKANTHA-CHITORGARH	2	2074	0	41.3	0.0	41.3
10	765 kV	VINDHYACHAL-VARANASI	2	0	2071	0.0	22.6	-22.6
11	400 kV	ZERDA-KANKROLI	1	404	0	7.8	0.0	7.8
12	400 kV	ZERDA -BHINMAL	1	518	0	8.3	0.0	8.3
13	400 kV	VINDHYACHAL -RIHAND	1	480	0	10.9	0.0	10.9
14	400 kV	RAPP-SHUJALPUR	2	329	265	2.9	0.9	2.1
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	149	0	1.5	0.0	1.5
18	220 kV	MALANPUR-AURAIYA	1	103	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	96.9	123.2	-26.4
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	0	515	0.0	11.9	-11.9
2	HVDC	RAIGARH-PUGALUR	2	0	2003	0.0	33.3	-33.3
3	765 kV	SOLAPUR-RAICHUR	2	787	2055	3.1	16.0	-13.0
4	765 kV	WARDHA-NIZAMABAD	2	0	3055	0.0	43.5	-43.5
5	400 kV	KOLHAPUR-KUDGI	2	1607	0	22.6	0.0	22.6
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	74	1.4	0.0	1.4
					WR-SR	27.1	104.7	-77.7

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)	121	0	19	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	20	6	10	0.2
	NER	132kV MOTANGA-RANGIA	18	4	5	0.1
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-79	0	-68	-1.6
	ER	NEPAL IMPORT (FROM BIHAR)	-275	0	-148	-3.6
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-349	-14	-253	-6.1
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-735	-683	-725	-17.4
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-118	0	-101	-2.4