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: 14th 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 13.02.2022.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 13-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 13th 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:** **14-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)	48709	54325	39580	19859	2528	165001
Peak Shortage (MW)	257	0	0	283	0	540
Energy Met (MU)	998	1308	1012	401	45	3765
Hydro Gen (MU)	104	34	74	27	8	247
Wind Gen (MU)	5	34	44	-	-	82
Solar Gen (MU)*	90.64	48.23	105.04	5.39	0.46	250
Energy Shortage (MU)	4.88	0.00	0.00	2.38	0.00	7.26
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	50569	63271	51486	19760	2675	183370
Time Of Maximum Demand Met (From NLDC SCADA)	08:19	10:52	10:30	18:30	18:30	10:24

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	0.029	0.00	0.00	4.78	4.78	81.58	13.64

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	6270	0	110.6	38.9	-0.4	112	0.00
	Haryana	5760	0	114.5	63.4	0.4	189	0.00
	Rajasthan	15294	0	274.3	92.8	1.4	318	0.00
	Delhi	3851	0	61.5	51.6	-2.0	221	0.00
	UP	17697	0	308.2	91.5	0.3	423	0.00
	Uttarakhand	2154	0	38.9	28.2	1.1	163	0.00
	HP	1738	0	29.7	22.7	0.0	239	0.23
	J&K(UT) & Ladakh(UT)	2973	250	57.5	53.3	-1.1	169	4.65
	Chandigarh	196	0	3.1	3.6	-0.4	24	0.00
WR	Chhattisgarh	4222	0	92.6	36.6	0.0	202	0.00
	Gujarat	16664	0	350.5	210.5	1.8	860	0.00
	MP	15297	0	293.8	180.0	-1.9	467	0.00
	Maharashtra	25330	0	516.2	146.8	-4.3	551	0.00
	Goa	532	0	11.4	10.6	0.5	28	0.00
	DD	286	0	7.1	6.9	0.2	33	0.00
	DNH	825	0	19.3	19.3	0.0	42	0.00
	AMNSIL	781	0	17.2	5.2	-0.9	162	0.00
SR	Andhra Pradesh	10883	0	197.5	81.7	0.0	514	0.00
	Telangana	11466	0	213.5	94.1	0.7	1137	0.00
	Karnataka	13185	0	237.2	102.2	-1.6	505	0.00
	Kerala	3579	0	71.9	48.3	0.0	308	0.00
	Tamil Nadu	13369	0	284.9	157.5	-1.9	649	0.00
	Puducherry	328	0	7.5	7.4	-0.5	50	0.00
ER	Bihar	4809	0	82.9	68.3	-0.1	317	0.00
	DVC	3260	0	70.3	-41.9	-0.6	292	0.00
	Jharkhand	1500	0	29.8	18.8	0.8	228	2.38
	Odisha	5595	0	107.1	45.7	-1.5	336	0.00
	West Bengal	5499	0	109.8	-16.0	-0.3	463	0.00
	Sikkim	92	0	1.5	1.7	-0.2	19	0.00
NER	Arunachal Pradesh	186	0	2.4	2.8	-0.5	44	0.00
	Assam	1384	0	23.6	17.4	-0.5	111	0.00
	Manipur	239	0	3.4	3.5	0.0	20	0.00
	Meghalaya	386	0	7.0	6.3	-0.1	56	0.00
	Mizoram	134	0	1.9	1.8	-0.2	20	0.00
	Nagaland	147	0	2.5	2.3	0.1	18	0.00
	Tripura	210	0	3.7	2.0	-0.2	99	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	-2.1	-10.5	-19.1
Day Peak (MW)	-271.0	-687.2	-842.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	159.9	-98.6	108.3	-169.1	-0.5	0.0
Actual(MU)	143.5	-84.6	114.8	-173.5	-2.9	-2.7
O/D/U/D(MU)	-16.4	14.0	6.6	-4.4	-2.5	-2.7

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	5986	14680	6112	2306	334	29417	42
State Sector	12089	16843	9383	2925	11	41251	58
Total	18075	31523	15495	5231	345	70669	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	582	1251	535	587	13	2969	77
Lignite	22	13	44	0	0	80	2
Hydro	104	34	74	27	8	247	6
Nuclear	33	21	69	0	0	124	3
Gas, Naptha & Diesel	12	11	9	0	30	62	2
RES (Wind, Solar, Biomass & Others)	121	83	181	5	0	391	10
Total	874	1415	912	620	51	3873	100

Share of RES in total generation (%)	13.83	5.89	19.86	0.86	0.89	10.10
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	29.49	9.81	35.56	5.22	16.55	19.67

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.024
Based on State Max Demands	1.070

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: 14-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	1002	0.0	14.9	-14.9
4	765 kV	SASARAM-FATEHPUR	1	0	564	0.0	9.4	-9.4
5	765 kV	GAYA-BALIA	1	0	657	0.0	10.3	-10.3
6	400 kV	PUSAULI-VARANASI	1	11	83	0.0	1.2	-1.2
7	400 kV	PUSAULI -ALLAHABAD	1	2	178	0.0	1.8	-1.8
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	880	0.0	9.9	-9.9
9	400 kV	PATNA-BALIA	4	0	1488	0.0	25.4	-25.4
10	400 kV	BIHARSHARIFF-BALIA	2	0	729	0.0	9.1	-9.1
11	400 kV	MOTIHARI-GORAKHPUR	2	0	550	0.0	7.9	-7.9
12	400 kV	BIHARSHARIFF-VARANASI	2	0	475	0.0	4.6	-4.6
13	220 kV	SAHUPURI-KARAMNASA	1	0	123	0.0	1.4	-1.4
14	132 kV	SONE NAGAR-RIHAND	1	0	0	0.0	0.0	0.0
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	0.4	95.9	-95.5
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	522	483	2.6	0.0	2.6
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	0	1100	0.0	15.9	-15.9
3	765 kV	JHARSUGUDA-DURG	2	15	288	0.0	3.3	-3.3
4	400 kV	JHARSUGUDA-RAIGARH	4	57	479	0.0	6.0	-6.0
5	400 kV	RANCHI-SIPAT	2	23	291	0.0	3.7	-3.7
6	220 kV	BUDHIPADAR-RAIGARH	1	24	102	0.0	1.1	-1.1
7	220 kV	BUDHIPADAR-KORBA	2	109	0	1.5	0.0	1.5
					ER-WR	4.1	29.9	-25.9
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	448	0.0	10.0	-10.0
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1989	0.0	47.4	-47.4
3	765 kV	ANGUL-SRIKAKULAM	2	0	2861	0.0	54.1	-54.1
4	400 kV	TALCHER-I/C	2	241	267	0.0	2.5	-2.5
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
					ER-SR	0.0	111.5	-111.5
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	333	0	4.7	0.0	4.7
2	400 kV	ALIPURDUAR-BONGAIGAON	2	460	0	8.0	0.0	8.0
3	220 kV	ALIPURDUAR-SALAKATI	2	81	0	1.4	0.0	1.4
					ER-NER	14.1	0.0	14.1
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	471	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	1002	0.0	23.8	-23.8
2	HVDC	VINDHYACHAL B/B	-	0	100	0.0	2.4	-2.4
3	HVDC	MUNDRA-MOHINDERGARH	2	0	128	0.0	3.1	-3.1
4	765 kV	GWALIOR-AGRA	2	22	1640	0.0	17.7	-17.7
5	765 kV	GWALIOR-PHAGI	2	0	2354	0.0	34.1	-34.1
6	765 kV	JABALPUR-ORAI	2	0	914	0.0	22.5	-22.5
7	765 kV	GWALIOR-ORAI	1	1118	0	17.9	0.0	17.9
8	765 kV	SATNA-ORAI	1	0	989	0.0	17.7	-17.7
9	765 kV	BANASKANTHA-CHITORGARH	2	2131	0	37.9	0.0	37.9
10	765 kV	VINDHYACHAL-VARANASI	2	0	2043	0.0	26.8	-26.8
11	400 kV	ZERDA-KANKROLI	1	360	0	6.7	0.0	6.7
12	400 kV	ZERDA -BHINMAL	1	502	58	6.5	0.0	6.5
13	400 kV	VINDHYACHAL -RIHAND	1	486	0	11.0	0.0	11.0
14	400 kV	RAPP-SHUJALPUR	2	568	348	1.1	0.0	1.1
15	220 kV	BHANPURA-RANPUR	1	0	0	0.0	0.0	0.0
16	220 kV	BHANPURA-MORAK	1	0	30	2.8	0.0	2.8
17	220 kV	MEHGAON-AURAIYA	1	148	0	1.4	0.0	1.4
18	220 kV	MALANPUR-AURAIYA	1	99	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	0.0	0.0	0.0
					WR-NR	87.8	148.1	-60.3
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	0	617	0.0	13.0	-13.0
2	HVDC	RAIGARH-PUGALUR	2	0	1198	0.0	17.3	-17.3
3	765 kV	SOLAPUR-RAICHUR	2	557	1172	0.0	7.3	-7.3
4	765 kV	WARDHA-NIZAMABAD	2	0	2260	0.0	37.7	-37.7
5	400 kV	KOLHAPUR-KUDGI	2	1390	0	24.1	0.0	24.1
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	XELDEM-AMBEWADI	1	1	71	1.2	0.0	1.2
					WR-SR	25.3	75.3	-50.0

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)	165	0	21	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	18	7	12	0.3
	NER	132kV MOTANGA-RANGIA	10	3	5	0.1
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-81	0	-69	-1.7
	ER	NEPAL IMPORT (FROM BIHAR)	-220	0	-88	-2.1
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-386	-48	-282	-6.8
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-750	-704	-743	-17.8
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-92	0	-54	-1.3