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

Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 27th 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 26.02.2022.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 26-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 26th 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:** **27-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)	49664	56965	46081	20290	2595	175595
Peak Shortage (MW)	250	0	0	303	0	553
Energy Met (MU)	977	1378	1155	409	43	3961
Hydro Gen (MU)	123	38	87	27	9	284
Wind Gen (MU)	27	46	63	-	-	136
Solar Gen (MU)*	86.82	47.10	118.40	4.79	0.36	257
Energy Shortage (MU)	4.65	0.00	0.00	0.36	0.00	5.01
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	50944	64798	57098	20473	2647	188242
Time Of Maximum Demand Met (From NLDC SCADA)	18:57	11:29	09:40	18:47	18:05	10:18

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	0.033	0.00	0.00	5.00	5.00	73.26	21.75

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	5932	0	117.5	43.0	-1.8	153	0.00
	Haryana	5723	0	110.7	69.6	-2.1	260	0.00
	Rajasthan	15379	0	275.0	50.7	-3.5	129	0.00
	Delhi	3545	0	61.8	49.3	-0.7	181	0.00
	UP	16772	0	283.5	79.8	0.0	726	0.00
	Uttarakhand	2026	0	39.3	25.8	0.3	235	0.00
	HP	1856	0	35.0	26.5	0.0	225	0.00
	J&K(UT) & Ladakh(UT)	2654	300	50.7	45.5	-0.1	273	4.65
	Chandigarh	199	0	3.3	3.7	-0.4	23	0.00
WR	Chhattisgarh	4648	0	104.1	42.0	-0.4	263	0.00
	Gujarat	17160	0	376.2	225.3	2.0	635	0.00
	MP	14425	0	292.1	184.4	-2.2	480	0.00
	Maharashtra	26034	0	548.1	184.0	-3.4	611	0.00
	Goa	598	0	12.2	12.4	-0.4	30	0.00
	DD	349	0	7.9	7.6	0.3	78	0.00
	DNH	860	0	20.0	19.7	0.3	53	0.00
	AMNSIL	768	0	17.1	4.3	-0.8	181	0.00
SR	Andhra Pradesh	10997	0	210.5	90.8	-1.0	529	0.00
	Telangana	13037	0	249.3	107.9	-0.7	404	0.00
	Karnataka	14210	0	265.0	86.9	-0.7	554	0.00
	Kerala	3927	0	82.8	62.4	-0.4	315	0.00
	Tamil Nadu	16206	0	339.4	211.6	-0.3	725	0.00
	Puducherry	379	0	7.9	8.0	-0.2	44	0.00
ER	Bihar	4629	0	79.6	73.1	-0.6	267	0.22
	DVC	3317	0	71.0	-46.0	-1.1	301	0.00
	Jharkhand	1455	0	28.1	18.5	-0.1	166	0.14
	Odisha	5289	0	108.7	43.4	-0.2	414	0.00
	West Bengal	6283	0	119.5	-7.3	-0.8	236	0.00
	Sikkim	116	0	1.9	2.1	-0.2	15	0.00
NER	Arunachal Pradesh	156	0	2.5	2.6	-0.2	26	0.00
	Assam	1445	0	22.7	17.2	-0.2	80	0.00
	Manipur	229	0	3.1	3.3	-0.1	15	0.00
	Meghalaya	375	0	6.8	5.8	0.0	55	0.00
	Mizoram	137	0	1.8	1.8	-0.1	16	0.00
	Nagaland	146	0	2.3	2.0	0.2	23	0.00
	Tripura	224	0	3.8	2.4	-0.6	76	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	-2.6	-6.6	-19.6
Day Peak (MW)	-282.0	-199.5	-855.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	95.1	-109.3	173.0	-162.1	3.2	0.0
Actual(MU)	72.1	-88.6	181.1	-174.0	1.4	-8.0
O/D/U/D(MU)	-23.1	20.7	8.1	-11.9	-1.8	-8.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	6196	12390	6532	2981	525	28623	41
State Sector	10459	18564	8108	3350	11	40492	59
Total	16655	30953	14640	6331	536	69115	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	586	1300	564	593	9	3053	75
Lignite	26	15	44	0	0	85	2
Hydro	123	38	87	27	9	284	7
Nuclear	33	33	66	0	0	131	3
Gas, Naptha & Diesel	15	14	7	0	28	64	2
RES (Wind, Solar, Biomass & Others)	143	94	221	5	0	463	11
Total	926	1494	989	624	47	4079	100

Share of RES in total generation (%)	15.45	6.28	22.31	0.78	0.77	11.34
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	32.23	11.06	37.75	5.03	19.77	21.51

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.041
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: 27-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	737	0.0	12.4	-12.4
4	765 kV	SASARAM-FATEHPUR	1	0	549	0.0	10.4	-10.4
5	765 kV	GAYA-BALIA	1	0	463	0.0	8.3	-8.3
6	400 kV	PUSAULI-VARANASI	1	0	137	0.0	2.3	-2.3
7	400 kV	PUSAULI -ALLAHABAD	1	0	163	0.0	2.4	-2.4
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	670	0.0	7.2	-7.2
9	400 kV	PATNA-BALIA	4	0	763	0.0	12.2	-12.2
10	400 kV	BIHARSHARIFF-BALIA	2	0	592	0.0	7.1	-7.1
11	400 kV	MOTIHARI-GORAKHPUR	2	0	415	0.0	6.6	-6.6
12	400 kV	BIHARSHARIFF-VARANASI	2	0	370	0.0	5.7	-5.7
13	220 kV	SAHUPURI-KARAMNASA	1	1	123	0.0	1.6	-1.6
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	76.2	-76.0
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	753	230	6.9	0.0	6.9
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	174	980	0.0	13.1	-13.1
3	765 kV	JHARSUGUDA-DURG	2	0	510	0.0	8.1	-8.1
4	400 kV	JHARSUGUDA-RAIGARH	4	0	645	0.0	10.6	-10.6
5	400 kV	RANCHI-SIPAT	2	15	304	0.0	4.4	-4.4
6	220 kV	BUDHIPADAR-RAIGARH	1	0	181	0.0	3.0	-3.0
7	220 kV	BUDHIPADAR-KORBA	2	54	28	0.5	0.0	0.5
					ER-WR	7.3	39.2	-31.8
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	2474	0.0	49.5	-49.5
3	765 kV	ANGUL-SRIKAKULAM	2	0	3417	0.0	63.1	-63.1
4	400 kV	TALCHER-I/C	2	0	659	0.0	4.2	-4.2
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
					ER-SR	0.0	121.2	-121.2
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	267	31	2.8	0.0	2.8
2	400 kV	ALIPURDUAR-BONGAIGAON	2	362	0	5.4	0.0	5.4
3	220 kV	ALIPURDUAR-SALAKATI	2	74	0	1.2	0.0	1.2
					ER-NER	9.4	0.0	9.4
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	471	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	997	0.0	10.6	-10.6
2	HVDC	VINDHYACHAL B/B	-	135	150	1.5	2.1	-0.7
3	HVDC	MUNDRA-MOHINDERGARH	2	0	250	0.0	6.2	-6.2
4	765 kV	GWALIOR-AGRA	2	173	1242	0.1	10.1	-10.0
5	765 kV	GWALIOR-PHAGI	2	0	1596	0.0	26.1	-26.1
6	765 kV	JABALPUR-ORAI	2	14	738	0.0	15.5	-15.5
7	765 kV	GWALIOR-ORAI	1	877	0	15.3	0.0	15.3
8	765 kV	SATNA-ORAI	1	0	960	0.0	17.7	-17.7
9	765 kV	BANASKANTHA-CHITORGARH	2	2158	0	43.0	0.0	43.0
10	765 kV	VINDHYACHAL-VARANASI	2	0	2067	0.0	24.2	-24.2
11	400 kV	ZERDA-KANKROLI	1	416	0	8.5	0.0	8.5
12	400 kV	ZERDA -BHINMAL	1	614	0	11.6	0.0	11.6
13	400 kV	VINDHYACHAL -RIHAND	1	482	0	10.8	0.0	10.8
14	400 kV	RAPP-SHUJALPUR	2	592	79	5.9	0.1	5.9
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	139	0	1.4	0.0	1.4
18	220 kV	MALANPUR-AURAIYA	1	93	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	100.4	112.5	-12.1
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	0	1023	0.0	22.5	-22.5
2	HVDC	RAIGARH-PUGALUR	2	0	2506	0.0	40.4	-40.4
3	765 kV	SOLAPUR-RAICHUR	2	794	1964	1.4	17.5	-16.1
4	765 kV	WARDHA-NIZAMABAD	2	0	3362	0.0	49.0	-49.0
5	400 kV	KOLHAPUR-KUDGI	2	1211	0	17.9	0.0	17.9
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	105	1.9	0.0	1.9
					WR-SR	21.2	129.4	-108.2

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)	154	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	-10	-0.2
	NER	132kV MOTANGA-RANGIA	-17	-4	-5	-0.1
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-77	0	-68	-1.6
	ER	NEPAL IMPORT (FROM BIHAR)	231	0	41	1.0
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-353	-16	-247	-5.9
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-731	-636	-710	-17.0
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-124	0	-108	-2.6