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: 26th 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 25.02.2022.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 25-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 25th 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:** **26-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)	51435	57335	46567	20118	2277	177732
Peak Shortage (MW)	250	30	0	99	0	379
Energy Met (MU)	1058	1381	1159	400	43	4042
Hydro Gen (MU)	124	49	103	26	8	309
Wind Gen (MU)	12	38	54	-	-	104
Solar Gen (MU)*	85.37	46.41	120.62	5.09	0.37	258
Energy Shortage (MU)	8.41	0.12	0.00	0.82	0.00	9.35
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	53284	64162	57039	20200	2486	193648
Time Of Maximum Demand Met (From NLDC SCADA)	11:56	11:31	11:40	19:07	18:05	11:36

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	0.035	0.00	0.29	4.55	4.84	71.30	23.86

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	6968	0	138.8	42.2	-0.5	112	0.00
	Haryana	7076	0	129.4	80.1	0.5	285	1.03
	Rajasthan	15184	0	281.4	64.4	-1.7	353	2.42
	Delhi	3858	0	65.5	53.5	-0.9	170	0.00
	UP	17555	0	312.4	86.2	-0.3	324	0.00
	Uttarakhand	2117	0	39.5	25.3	0.9	251	0.31
	HP	1926	0	33.9	25.3	-0.1	230	0.00
	J&K(UT) & Ladakh(UT)	2917	300	54.4	49.1	0.8	452	4.65
	Chandigarh	211	0	3.2	3.7	-0.4	16	0.00
WR	Chhattisgarh	4594	0	103.9	47.4	-0.4	241	0.00
	Gujarat	16929	0	376.7	224.0	2.2	1257	0.00
	MP	14617	0	295.9	183.1	0.4	615	0.00
	Maharashtra	25794	0	547.2	184.8	0.4	570	0.00
	Goa	583	0	12.6	12.3	0.1	76	0.12
	DD	347	0	7.8	7.4	0.4	85	0.00
	DNH	856	0	19.9	19.6	0.3	114	0.00
	AMNSIL	765	0	17.4	4.6	-0.8	184	0.00
SR	Andhra Pradesh	10880	0	210.4	99.9	-0.2	369	0.00
	Telangana	13178	0	252.9	111.0	-0.4	547	0.00
	Karnataka	14674	0	267.4	91.5	1.7	1439	0.00
	Kerala	3965	0	83.1	57.5	0.0	277	0.00
	Tamil Nadu	15673	0	337.5	202.0	-1.3	396	0.00
	Puducherry	389	0	8.1	8.3	-0.3	31	0.00
ER	Bihar	4688	0	79.3	71.6	-0.1	248	0.45
	DVC	3255	0	69.6	-51.0	0.0	495	0.00
	Jharkhand	1398	0	23.6	16.0	-1.8	242	0.36
	Odisha	5308	0	109.8	43.2	0.4	412	0.00
	West Bengal	6136	0	115.7	-13.9	-0.7	374	0.00
	Sikkim	119	0	1.9	2.1	-0.2	13	0.00
NER	Arunachal Pradesh	154	0	2.5	2.6	-0.2	37	0.00
	Assam	1309	0	23.4	17.6	-0.4	82	0.00
	Manipur	229	0	3.2	3.3	-0.1	12	0.00
	Meghalaya	354	0	6.6	5.7	0.0	25	0.00
	Mizoram	138	0	1.8	1.9	-0.2	10	0.00
	Nagaland	140	0	2.3	2.2	0.1	26	0.00
	Tripura	223	0	3.7	2.0	-0.3	17	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	-2.2	-11.0	-18.9
Day Peak (MW)	-279.0	-758.1	-822.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	129.3	-109.3	160.6	-181.5	0.9	0.0
Actual(MU)	107.9	-90.8	169.9	-186.3	-3.0	-2.2
O/D/U/D(MU)	-21.4	18.4	9.4	-4.8	-3.8	-2.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	5927	11815	6532	1981	559	26813	40
State Sector	10079	18134	8908	3350	11	40482	60
Total	16006	29948	15440	5331	570	67295	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	645	1309	575	597	14	3140	76
Lignite	24	15	43	0	0	82	2
Hydro	124	49	103	26	8	308	7
Nuclear	33	33	66	0	0	132	3
Gas, Naptha & Diesel	16	10	6	0	29	62	1
RES (Wind, Solar, Biomass & Others)	126	86	211	5	0	428	10
Total	967	1501	1004	628	51	4151	100

Share of RES in total generation (%)	13.00	5.61	21.06	0.82	0.73	10.26
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	29.17	10.96	37.85	4.91	15.76	20.79

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.018
Based on State Max Demands	1.056

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: 26-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	884	0.0	14.5	-14.5
4	765 kV	SASARAM-FATEHPUR	1	0	544	0.0	10.8	-10.8
5	765 kV	GAYA-BALIA	1	0	640	0.0	11.8	-11.8
6	400 kV	PUSAULI-VARANASI	1	0	147	0.0	2.3	-2.3
7	400 kV	PUSAULI -ALLAHABAD	1	0	199	0.0	2.9	-2.9
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	777	0.0	8.5	-8.5
9	400 kV	PATNA-BALIA	4	0	923	0.0	17.2	-17.2
10	400 kV	BIHARSHARIFF-BALIA	2	0	748	0.0	9.6	-9.6
11	400 kV	MOTIHARI-GORAKHPUR	2	0	487	0.0	7.2	-7.2
12	400 kV	BIHARSHARIFF-VARANASI	2	0	450	0.0	7.0	-7.0
13	220 kV	SAHUPURI-KARAMNASA	1	0	135	0.0	0.0	0.0
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	91.8	-91.5
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	511	307	3.8	0.0	3.8
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	140	1140	0.0	14.9	-14.9
3	765 kV	JHARSUGUDA-DURG	2	0	559	0.0	8.8	-8.8
4	400 kV	JHARSUGUDA-RAIGARH	4	0	551	0.0	10.0	-10.0
5	400 kV	RANCHI-SIPAT	2	0	329	0.0	5.1	-5.1
6	220 kV	BUDHIPADAR-RAIGARH	1	0	188	0.0	3.0	-3.0
7	220 kV	BUDHIPADAR-KORBA	2	38	39	0.1	0.0	0.1
					ER-WR	3.9	41.8	-37.9
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	45.6	-45.6
3	765 kV	ANGUL-SRIKAKULAM	2	0	3424	0.0	60.0	-60.0
4	400 kV	TALCHER-I/C	2	436	174	0.0	0.2	-0.2
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
					ER-SR	0.0	114.2	-114.2
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	332	7	3.6	0.0	3.6
2	400 kV	ALIPURDUAR-BONGAIGAON	2	486	0	6.6	0.0	6.6
3	220 kV	ALIPURDUAR-SALAKATI	2	96	0	1.3	0.0	1.3
					ER-NER	11.5	0.0	11.5
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	471	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	2015	0.0	15.9	-15.9
2	HVDC	VINDHYACHAL B/B	-	137	0	3.6	0.0	3.6
3	HVDC	MUNDRA-MOHINDERGARH	2	0	251	0.0	6.2	-6.2
4	765 kV	GWALIOR-AGRA	2	9	1283	0.0	11.9	-11.9
5	765 kV	GWALIOR-PHAGI	2	0	1794	0.0	27.3	-27.3
6	765 kV	JABALPUR-ORAI	2	0	774	0.0	20.5	-20.5
7	765 kV	GWALIOR-ORAI	1	870	0	14.9	0.0	14.9
8	765 kV	SATNA-ORAI	1	0	944	0.0	17.0	-17.0
9	765 kV	BANASKANTHA-CHITORGARH	2	2232	0	43.3	0.0	43.3
10	765 kV	VINDHYACHAL-VARANASI	2	0	2196	0.0	26.4	-26.4
11	400 kV	ZERDA-KANKROLI	1	425	0	8.3	0.0	8.3
12	400 kV	ZERDA -BHINMAL	1	624	0	9.2	0.0	9.2
13	400 kV	VINDHYACHAL -RIHAND	1	478	0	10.9	0.0	10.9
14	400 kV	RAPP-SHUJALPUR	2	557	159	4.5	0.3	4.2
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	144	0	1.5	0.0	1.5
18	220 kV	MALANPUR-AURAIYA	1	96	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	98.6	125.5	-27.0
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	0	1016	0.0	16.1	-16.1
2	HVDC	RAIGARH-PUGALUR	2	0	3000	0.0	44.9	-44.9
3	765 kV	SOLAPUR-RAICHUR	2	436	2099	0.5	14.9	-14.4
4	765 kV	WARDHA-NIZAMABAD	2	0	3625	0.0	48.2	-48.2
5	400 kV	KOLHAPUR-KUDGI	2	1244	0	19.8	0.0	19.8
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	106	1.8	0.0	1.8
					WR-SR	22.1	124.0	-101.9

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)	151	0	30	0.7
	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	21	-19	-10	-0.2
	NER	132kV MOTANGA-RANGIA	15	-20	-5	-0.1
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	0	0	0	-1.7
	ER	NEPAL IMPORT (FROM BIHAR)	-322	-52	-148	-3.6
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-357	0	-243	-5.8
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-722	-620	-697	-16.7
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-100	0	-93	-2.2