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: 17th 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 16.02.2022.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 16-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 16th 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:** **17-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)	52462	56283	43861	20152	2656	175414
Peak Shortage (MW)	435	0	0	348	0	783
Energy Met (MU)	1060	1345	1091	412	46	3953
Hydro Gen (MU)	109	42	98	28	8	285
Wind Gen (MU)	5	37	28	-	-	70
Solar Gen (MU)*	87.57	42.50	105.37	5.12	0.44	241
Energy Shortage (MU)	7.66	0.00	1.52	4.27	0.00	13.45
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	53358	63964	54677	20333	2802	191222
Time Of Maximum Demand Met (From NLDC SCADA)	10:44	10:59	10:14	18:28	18:04	10:44

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	0.036	0.00	0.13	8.16	8.29	79.99	11.72

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	6913	0	130.0	38.9	0.2	207	0.10
	Haryana	6824	0	131.8	76.9	1.1	221	0.77
	Rajasthan	15540	0	281.7	81.1	0.5	472	1.96
	Delhi	3985	0	65.6	54.3	-1.7	213	0.00
	UP	17891	0	311.8	89.3	-0.1	409	0.00
	Uttarakhand	2204	0	40.3	27.5	1.0	279	0.18
	HP	1953	0	34.4	25.9	0.2	363	0.00
	J&K(UT) & Ladakh(UT)	3153	300	60.6	54.4	0.8	386	4.65
	Chandigarh	205	0	3.3	3.6	-0.2	18	0.00
WR	Chhattisgarh	4504	0	96.2	31.3	-0.5	225	0.00
	Gujarat	16415	0	359.1	210.3	4.2	882	0.00
	MP	15020	0	293.5	176.8	0.3	726	0.00
	Maharashtra	26223	0	536.0	148.4	-2.5	455	0.00
	Goa	591	0	12.4	11.8	0.3	30	0.00
	DD	351	0	7.8	7.5	0.3	30	0.00
	DNH	865	0	19.9	19.8	0.1	45	0.00
	AMNSIL	866	0	19.6	4.6	-0.7	210	0.00
SR	Andhra Pradesh	10870	500	203.0	84.0	2.0	1140	1.52
	Telangana	11951	0	220.7	105.4	0.5	667	0.00
	Karnataka	13833	0	256.2	104.2	0.0	1226	0.00
	Kerala	3940	0	80.7	56.0	-0.3	259	0.00
	Tamil Nadu	15263	0	323.2	190.6	-0.1	466	0.00
	Puducherry	369	0	7.4	7.6	-0.2	24	0.00
ER	Bihar	4801	0	82.9	71.7	-0.2	363	0.14
	DVC	3250	0	70.3	-44.2	-1.4	206	0.00
	Jharkhand	1414	239	27.3	18.5	-0.1	231	4.13
	Odisha	5603	0	107.7	46.0	-1.0	354	0.00
	West Bengal	6367	0	121.5	-3.2	-0.6	319	0.00
	Sikkim	116	0	1.8	2.0	-0.2	36	0.00
NER	Arunachal Pradesh	160	0	2.5	2.7	-0.4	34	0.00
	Assam	1521	0	25.5	18.7	0.2	165	0.00
	Manipur	239	0	3.5	3.4	0.1	48	0.00
	Meghalaya	412	0	7.2	6.1	0.1	44	0.00
	Mizoram	135	0	2.2	2.0	-0.1	10	0.00
	Nagaland	162	0	2.6	2.3	0.2	24	0.00
	Tripura	261	0	3.5	2.8	-0.2	92	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	-1.9	-10.9	-19.8
Day Peak (MW)	-250.0	-680.3	-855.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	154.8	-145.1	141.9	-152.3	0.7	0.0
Actual(MU)	135.6	-141.0	157.1	-154.8	-2.3	-5.3
O/D/U/D(MU)	-19.2	4.2	15.3	-2.5	-3.0	-5.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	5637	12920	6332	2696	424	28009	41
State Sector	10894	16550	9523	2850	47	39864	59
Total	16532	29470	15855	5546	470	67873	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	638	1335	569	578	15	3135	77
Lignite	25	13	45	0	0	83	2
Hydro	109	42	98	28	8	285	7
Nuclear	33	21	66	0	0	120	3
Gas, Naptha & Diesel	15	16	9	0	30	69	2
RES (Wind, Solar, Biomass & Others)	123	81	168	5	0	378	9
Total	943	1508	954	611	53	4069	100

Share of RES in total generation (%)	13.07	5.37	17.65	0.84	0.82	9.29
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	28.13	9.58	34.74	5.40	16.38	19.23

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.020
Based on State Max Demands	1.068

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: 17-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	702	0.0	10.9	-10.9
4	765 kV	SASARAM-FATEHPUR	1	0	539	0.0	9.6	-9.6
5	765 kV	GAYA-BALIA	1	0	621	0.0	9.7	-9.7
6	400 kV	PUSAULI-VARANASI	1	0	95	0.0	1.3	-1.3
7	400 kV	PUSAULI -ALLAHABAD	1	49	147	0.0	1.3	-1.3
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	754	0.0	7.3	-7.3
9	400 kV	PATNA-BALIA	4	0	1371	0.0	25.4	-25.4
10	400 kV	BIHARSHARIFF-BALIA	2	0	592	0.0	7.6	-7.6
11	400 kV	MOTIHARI-GORAKHPUR	2	0	432	0.0	6.3	-6.3
12	400 kV	BIHARSHARIFF-VARANASI	2	0	349	0.0	5.2	-5.2
13	220 kV	SAHUPURI-KARAMNASA	1	0	110	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	85.8	-85.4
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	726	282	5.6	0.0	5.6
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	224	1033	0.0	12.5	-12.5
3	765 kV	JHARSUGUDA-DURG	2	16	301	0.0	4.0	-4.0
4	400 kV	JHARSUGUDA-RAIGARH	4	71	337	0.0	3.1	-3.1
5	400 kV	RANCHI-SIPAT	2	58	259	0.0	2.8	-2.8
6	220 kV	BUDHIPADAR-RAIGARH	1	8	113	0.0	1.1	-1.1
7	220 kV	BUDHIPADAR-KORBA	2	120	0	1.9	0.0	1.9
					ER-WR	7.5	23.4	-15.9
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	447	0.0	9.9	-9.9
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1992	0.0	43.9	-43.9
3	765 kV	ANGUL-SRIKAKULAM	2	0	2951	0.0	57.5	-57.5
4	400 kV	TALCHER-I/C	2	466	189	1.2	0.0	1.2
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
					ER-SR	0.0	111.3	-111.3
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	384	0	4.3	0.0	4.3
2	400 kV	ALIPURDUAR-BONGAIGAON	2	544	0	7.0	0.0	7.0
3	220 kV	ALIPURDUAR-SALAKATI	2	99	0	1.3	0.0	1.3
					ER-NER	12.5	0.0	12.5
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	2018	0.0	41.0	-41.0
2	HVDC	VINDHYACHAL B/B	-	48	52	0.9	0.3	0.5
3	HVDC	MUNDRA-MOHINDERGARH	2	0	127	0.0	3.1	-3.1
4	765 kV	GWALIOR-AGRA	2	360	1690	0.5	15.6	-15.2
5	765 kV	GWALIOR-PHAGI	2	0	1976	0.0	29.2	-29.2
6	765 kV	JABALPUR-ORAI	2	40	868	0.0	19.7	-19.7
7	765 kV	GWALIOR-ORAI	1	940	0	16.8	0.0	16.8
8	765 kV	SATNA-ORAI	1	0	959	0.0	17.1	-17.1
9	765 kV	BANASKANTHA-CHITORGARH	2	2064	0	39.7	0.0	39.7
10	765 kV	VINDHYACHAL-VARANASI	2	0	2371	0.0	30.3	-30.3
11	400 kV	ZERDA-KANKROLI	1	406	0	7.4	0.0	7.4
12	400 kV	ZERDA -BHINMAL	1	577	0	8.0	0.0	8.0
13	400 kV	VINDHYACHAL -RIHAND	1	488	0	10.9	0.0	10.9
14	400 kV	RAPP-SHUJALPUR	2	539	289	3.0	1.3	1.7
15	220 kV	BHANPURA-RANPUR	1	0	0	0.0	0.0	0.0
16	220 kV	BHANPURA-MORAK	1	0	30	2.0	0.0	2.0
17	220 kV	MEHGAON-AURAIYA	1	139	0	1.4	0.0	1.4
18	220 kV	MALANPUR-AURAIYA	1	95	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	92.8	157.7	-64.9
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	0	1016	0.0	16.5	-16.5
2	HVDC	RAIGARH-PUGALUR	2	0	2502	0.0	34.0	-34.0
3	765 kV	SOLAPUR-RAICHUR	2	559	1729	0.1	19.7	-19.5
4	765 kV	WARDHA-NIZAMABAD	2	0	2961	0.0	45.6	-45.6
5	400 kV	KOLHAPUR-KUDGI	2	1379	0	22.3	0.0	22.3
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	23.8	115.7	-92.0

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)	147	11	40	1.0
	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	16	2	10	0.2
	NER	132kV MOTANGA-RANGIA	-12	0	-1	0.0
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	0	0	0	-1.7
	ER	NEPAL IMPORT (FROM BIHAR)	-234	-48	-95	-2.3
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-371	-55	-289	-6.9
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-747	-699	-730	-17.5
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-108	0	-93	-2.2