



National Load Despatch Centre
राष्ट्रीय भार प्रेषण केंद्र
POWER SYSTEM OPERATION CORPORATION LIMITED
पावर 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: 19th 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., डोंगतेह, 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 18.02.2022.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 18-फ़रवरी-2022 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रांभांप्रेके की वेबसाइट पर उपलब्ध 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 18th 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: 19-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)	51329	56166	44418	20178	2630	174721
Peak Shortage (MW)	250	0	0	345	0	595
Energy Met (MU)	1065	1347	1103	413	47	3975
Hydro Gen (MU)	113	47	95	24	8	286
Wind Gen (MU)	11	75	57	-	-	143
Solar Gen (MU)*	82.36	41.96	106.71	5.03	0.38	236
Energy Shortage (MU)	5.99	0.00	0.00	8.58	0.00	14.57
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	53929	64297	54693	20474	2658	192533
Time Of Maximum Demand Met (From NLDC SCADA)	11:16	10:48	09:30	18:32	18:21	10:25

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	3.83	3.83	78.85	17.32

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	7097	0	137.4	42.2	-0.7	106	0.00
	Haryana	6932	0	131.8	78.0	0.6	144	0.00
	Rajasthan	15146	261	280.3	87.0	1.2	636	1.28
	Delhi	3959	0	65.6	54.2	-1.3	176	0.00
	UP	17376	0	309.6	99.4	0.2	844	0.00
	Uttarakhand	2194	0	40.5	27.2	0.6	264	0.06
	HP	1928	0	34.2	26.5	-0.4	151	0.00
	J&K(UT) & Ladakh(UT)	2993	300	62.0	54.1	1.3	174	4.65
	Chandigarh	221	0	3.4	3.7	-0.3	15	0.00
	WR	Chhattisgarh	4454	0	95.7	29.1	-0.1	218
Gujarat		17114	0	367.5	193.3	0.1	417	0.00
MP		14987	0	293.4	175.4	-1.5	470	0.00
Maharashtra		25802	0	530.7	157.3	-1.8	771	0.00
Goa		592	0	12.4	11.7	0.4	27	0.00
DD		345	0	7.8	7.4	0.4	40	0.00
DNH		849	0	19.7	19.6	0.1	42	0.00
AMNSIL		880	0	19.5	4.6	-0.9	201	0.00
SR	Andhra Pradesh	10811	0	204.0	73.7	0.1	587	0.00
	Telangana	11729	0	222.4	98.4	0.5	589	0.00
	Karnataka	13912	0	256.4	91.8	-1.4	514	0.00
	Kerala	3905	0	81.0	56.7	0.0	211	0.00
	Tamil Nadu	15912	0	331.9	188.4	0.7	445	0.00
	Puducherry	369	0	7.6	7.6	-0.1	49	0.00
	Bihar	4897	0	80.6	66.8	1.3	506	4.98
ER	DVC	3242	0	70.3	-44.5	-1.2	313	0.00
	Jharkhand	1316	0	28.3	18.4	-0.1	110	3.60
	Odisha	5885	0	109.4	49.0	0.3	332	0.00
	West Bengal	6452	0	122.5	-5.5	-0.2	340	0.00
	Sikkim	114	0	1.9	2.0	-0.1	37	0.00
NER	Arunachal Pradesh	158	0	2.6	2.8	-0.3	38	0.00
	Assam	1511	0	25.8	19.1	0.0	105	0.00
	Manipur	241	0	3.4	3.4	0.0	43	0.00
	Meghalaya	371	0	7.1	6.3	0.0	38	0.00
	Mizoram	136	0	2.0	2.1	-0.1	10	0.00
	Nagaland	154	0	2.5	2.3	0.1	18	0.00
	Tripura	221	0	3.5	3.2	-0.4	44	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	-2.3	-6.8	-17.6
Day Peak (MW)	-290.0	-224.2	-817.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	173.9	-172.1	122.4	-125.0	0.7	0.0
Actual(MU)	159.5	-171.2	130.2	-123.1	-1.6	-6.1
O/D/U/D(MU)	-14.4	0.9	7.8	1.9	-2.3	-6.1

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	5556	13320	6492	4016	424	29807	43
State Sector	11764	16448	7883	2850	11	38956	57
Total	17320	29767	14375	6866	435	68763	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	622	1324	572	552	15	3085	76
Lignite	22	13	45	0	0	80	2
Hvdro	113	47	95	23	8	286	7
Nuclear	33	21	66	0	0	120	3
Gas, Naptha & Diesel	15	16	9	0	30	69	2
RES (Wind, Solar, Biomass & Others)	121	119	198	5	0	443	11
Total	926	1539	985	580	53	4083	100
Share of RES in total generation (%)	13.10	7.70	20.10	0.87	0.72	10.85	
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	28.85	12.10	36.40	4.91	15.52	20.78	

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.018
Based on State Max Demands	1.061

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: 19-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-BB	-	3	0	0.0	0.0	0.0	
3	765 kV	GAYA-VARANASI	2	0	708	0.0	10.4	-10.4	
4	765 kV	SASARAM-FATEHPUR	1	0	500	0.0	9.0	-9.0	
5	765 kV	GAYA-BALIA	1	0	578	0.0	10.4	-10.4	
6	400 kV	PUSAULI-VARANASI	1	1	126	0.0	1.6	-1.6	
7	400 kV	PUSAULI-ALLAHABAD	1	0	160	0.0	2.0	-2.0	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	691	0.0	8.2	-8.2	
9	400 kV	PATNA-BALIA	4	0	1090	0.0	19.9	-19.9	
10	400 kV	BIHARSHARIEF-BALIA	2	0	524	0.0	7.4	-7.4	
11	400 kV	MOTIHARI-GORAKHPUR	2	0	393	0.0	5.7	-5.7	
12	400 kV	BIHARSHARIEF-VARANASI	2	0	384	0.0	6.5	-6.5	
13	220 kV	SAHUPURI-KARAMANASA	1	30	138	0.0	1.8	-1.8	
14	132 kV	SONE NAGAR-RIHAND	1	0	0	0.3	0.0	0.3	
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-CHANDAUJI	1	0	0	0.0	0.0	0.0	
						ER-NR	0.7	82.8	-82.0
Import/Export of ER (With WR)									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	1397	0	19.4	0.0	19.4	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	222	874	0.0	8.4	-8.4	
3	765 kV	JHARSUGUDA-DURG	2	148	174	0.0	0.1	-0.1	
4	400 kV	JHARSUGUDA-RAIGARH	4	54	372	0.0	3.6	-3.6	
5	400 kV	RANCHI-SIPAT	2	78	234	0.0	1.6	-1.6	
6	220 kV	BUDHIPADAR-RAIGARH	1	38	79	0.0	0.4	-0.4	
7	220 kV	BUDHIPADAR-KORBA	2	125	0	2.1	0.0	2.1	
						ER-WR	21.5	14.1	7.4
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	1986	0.0	41.6	-41.6	
3	765 kV	ANGUL-SRIKAKULAM	2	0	3134	0.0	55.1	-55.1	
4	400 kV	TALCHER-I/C	2	756	207	4.0	4.0	0.0	
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0	
						ER-SR	0.0	106.6	-106.6
Import/Export of ER (With NER)									
1	400 kV	BINAGURI-BONGAIGAON	2	475	0	4.4	0.0	4.4	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	525	0	6.9	0.0	6.9	
3	220 kV	ALIPURDUAR-SALAKATI	2	104	0	1.3	0.0	1.3	
						ER-NER	12.5	0.0	12.5
Import/Export of NER (With NR)									
1	HVDC	BISWANATH CHARALI-AGRA	2	470	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	1010	0.0	23.8	-23.8	
2	HVDC	VINDHYACHAL-B/B	-	452	0	12.2	0.0	12.2	
3	HVDC	MUNDA-MOHINDERGARH	2	0	290	0.0	4.1	-4.1	
4	765 kV	GWALIOR-AGRA	2	0	1833	0.0	25.7	-25.7	
5	765 kV	GWALIOR-PHAGI	2	0	1962	0.0	32.6	-32.6	
6	765 kV	JABALPUR-ORAI	2	0	832	0.0	25.7	-25.7	
7	765 kV	GWALIOR-ORAI	1	984	0	17.1	0.0	17.1	
8	765 kV	SATNA-ORAI	1	0	1009	0.0	19.7	-19.7	
9	765 kV	BANASKANTHA-CHITORGARH	2	1692	0	29.1	0.0	29.1	
10	765 kV	VINDHYACHAL-VARANASI	2	0	2606	0.0	40.7	-40.7	
11	400 kV	ZERDA-KANKROLI	1	283	0	5.3	0.0	5.3	
12	400 kV	ZERDA-BHINMAL	1	400	11	5.0	0.0	5.0	
13	400 kV	VINDHYACHAL-RIHAND	1	478	0	10.6	0.0	10.6	
14	400 kV	RAMP-SHILAIIPUR	2	341	385	1.2	2.5	-1.3	
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	122	0	1.1	0.0	1.1	
18	220 kV	MALANPUR-AURAIYA	1	77	0	2.0	0.0	2.0	
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	83.5	174.7	-91.2
Import/Export of WR (With SR)									
1	HVDC	BHADRAWATI-BB	-	0	1019	0.0	9.5	-9.5	
2	HVDC	RAIGARH-PUGLUR	2	0	1199	0.0	16.4	-16.4	
3	765 kV	SOLAPUR-RAICHUR	2	295	2050	0.3	21.2	-20.9	
4	765 kV	WARDHA-NIZAMABAD	2	0	3432	0.0	49.4	-49.4	
5	400 kV	KOLHAPUR-KUDGI	2	1503	0	22.4	0.0	22.4	
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	75	1.4	0.0	1.4	
						WR-SR	24.0	96.5	-72.5
INTERNATIONAL EXCHANGES									
State	Region	Line Name	Max (MW)	Min (MW)	Avg (MW)	Import(+ve)/Export(-ve) Energy Exchange (MU)			
BHUTAN	ER	400kV MANGDECHHU-ALIPURDUAR 1,2&3 i.e. ALIPURDUAR RECEIPT (from MANGDECHHU HEP 4*180MW)	138	0	34	0.8			
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW))	0	0	0	-2.1			
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	0	0	0	-1.7			
	NER	132kV GELEPHU-SALAKATI	-21	-4	-10	-0.2			
	NER	132kV MOTANGA-RANGIA	-13	-4	4	0.1			
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-80	0	-70	-1.7			
	ER	NEPAL IMPORT (FROM BIHAR)	207	0	92	2.2			
BANGLADESH	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-351	0	-305	-7.3			
	ER	BHERAMARA B/B HVDC (BANGLADESH)	-737	-495	-662	-15.9			
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-80	0	-70	-1.7			