



National Load Despatch Centre
राष्ट्रीय भार प्रेषण केंद्र
GRID CONTROLLER OF INDIA LIMITED
ग्रिड कंट्रोलर ऑफ इंडिया 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: 26th February 2024

To,

- कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के., 14, गोल्फ क्लब रोड, कोलकाता - 700033
Executive Director, ERLDC, 14 Golf Club Road, Tollygunge, Kolkata, 700033
- 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
- 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
- कार्यकारी निदेशक, ऊ.पू.क्षे.भा.प्रे.के., डोंगतेह, लोअर नोंग्रह, लापलंग, शिलोंग - 793006
Executive Director, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
- 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 25.02.2024.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 25-फ़रवरी-2024 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 25th February 2024, is available at the NLDC website.

धन्यवाद,

Report for previous day

Date of Reporting: 26-Feb-2024

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)	51230	59255	46305	20639	2570	179999
Peak Shortage (MW)	130	0	0	276	0	406
Energy Met (MU)	1167	1435	1242	440	48	4331
Hydro Gen (MU)	111	24	41	12	8	196
Wind Gen (MU)	18	90	52	-	-	160
Solar Gen (MU)*	140.46	77.87	118.15	2.85	0.53	340
Energy Shortage (MU)	1.17	0.00	0.00	0.83	0.08	2.08
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	62009	69224	60376	21866	2625	214554
Time Of Maximum Demand Met	10:15	10:18	10:38	09:41	18:08	10:22

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	0.037	0.00	0.28	3.23	3.51	75.20	21.29

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	9590	0	181.2	97.1	-0.5	277	0.00
	Haryana	7647	0	144.9	97.5	0.2	197	0.00
	Rajasthan	17006	0	314.2	97.4	-3.5	209	0.00
	Delhi	4067	0	67.9	58.7	2.4	482	0.00
	UP	17682	0	322.1	76.9	0.5	568	0.00
	Uttarakhand	2194	0	40.0	29.3	1.1	239	0.00
	HP	1944	0	34.3	29.9	0.2	146	0.46
	J&K(UT) & Ladakh(UT)	2610	100	55.5	50.5	0.4	394	0.71
	Chandigarh	195	0	3.3	3.3	0.0	23	0.00
Railways NR ISTS	176	0	3.7	3.5	0.2	25	0.00	
WR	Chhattisgarh	5697	0	124.7	59.3	0.5	241	0.00
	Gujarat	19098	0	382.3	140.4	-2.1	955	0.00
	MP	14634	0	286.7	186.1	-6.2	484	0.00
	Maharashtra	26722	0	570.0	171.0	-3.8	821	0.00
	Goa	624	0	11.8	11.9	-0.2	100	0.00
	DNHDDPDCL	1193	0	27.6	27.7	-0.1	40	0.00
	AMNSIL	904	0	19.0	9.0	0.2	244	0.00
	BALCO	524	0	12.5	12.5	0.0	13	0.00
SR	Andhra Pradesh	12745	0	232.0	96.2	-2.1	527	0.00
	Telangana	14077	0	275.3	158.4	0.9	824	0.00
	Karnataka	15075	0	296.6	146.9	-2.3	943	0.00
	Kerala	4361	0	84.5	66.5	1.4	384	0.00
	Tamil Nadu	15987	0	344.5	181.3	-0.4	844	0.00
	Puducherry	387	0	9.2	8.9	-0.3	56	0.00
ER	Bihar	4744	0	86.2	73.8	-0.4	204	0.28
	DVC	3361	0	72.2	-51.5	0.8	426	0.00
	Jharkhand	1649	0	30.4	22.4	-1.3	260	0.62
	Odisha	5137	0	109.3	27.3	-1.9	387	0.00
	West Bengal	6504	0	140.4	10.0	-2.2	306	0.00
	Sikkim	97	0	1.7	1.9	-0.2	32	0.00
Railways ER ISTS	15	0	0.1	0.2	-0.2	5	0.00	
NER	Arunachal Pradesh	158	0	3.1	2.9	0.1	48	0.00
	Assam	1500	0	27.2	21.5	0.2	114	0.00
	Manipur	219	0	3.2	3.1	0.0	30	0.08
	Meghalaya	363	0	6.6	5.8	-0.2	48	0.00
	Mizoram	123	0	2.0	1.6	-0.1	17	0.00
	Nagaland	144	0	2.5	2.5	-0.1	8	0.00
Tripura	218	0	3.6	3.4	-0.2	13	0.00	

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

	Bhutan	Nepal	Bangladesh	Godda -> Bangladesh
Actual (MU)	-9.2	-13.6	-22.1	-25.1
Day Peak (MW)	-636.0	-234.0	-1044.0	-1320.3

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	195.8	-241.8	254.3	-218.7	10.4	0.0
Actual(MU)	197.2	-239.4	279.7	-250.2	11.4	-1.4
O/D/U/D(MU)	1.4	2.4	25.3	-31.5	1.0	-1.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	7462	10384	5488	3152	988	27473	53
State Sector	6781	10192	5284	1777	199	24232	47
Total	14242	20575	10772	4929	1187	51705	100

G. Sourcewise generation (Gross) (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	683	1513	693	706	9	3604	78
Lignite	33	16	46	0	0	95	2
Hydro	111	24	41	12	8	196	4
Nuclear	31	41	50	0	0	123	3
Gas, Naptha & Diesel	8	16	7	0	25	56	1
RES (Wind, Solar, Biomass & Others)	181	171	203	5	1	561	12
Total	1048	1782	1039	723	43	4635	100

Share of RES in total generation (%)	17.29	9.61	19.58	0.65	1.29	12.11
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	30.88	13.26	28.32	2.37	19.98	18.99

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.007
Based on State Max Demands	1.022

I. All India Peak Demand and shortage at Solar and Non-Solar Hour

	Max Demand Met(MW)	Time	Shortage(MW)
Solar hr	214554	10:22	216
Non-Solar hr	187421	18:55	0

Diversity factor = Sum of regional or state maximum demands / All India maximum demand

**Note: All generation MU figures are gross

***Godda (Jharkhand) -> Bangladesh power exchange is through the radial connection (isolated from Indian Grid)

Solar Hours -> 07:00 to 17:00hrs and rest are Non-Solar Hours

*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-2024

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	-	0	49	0.0	1.3	-1.3
3	765 kV	GAYA-VARANASI	2	0	1288	0.0	26.9	-26.9
4	765 kV	SASARAM-FATEHPUR	1	0	681	0.0	14.3	-14.3
5	765 kV	GAYA-BALIA	1	0	685	0.0	11.1	-11.1
6	400 kV	PUSAULI-VARANASI	1	49	24	0.1	0.0	0.1
7	400 kV	PUSAULI-ALLAHABAD	1	0	96	0.0	1.4	-1.4
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	635	0.0	8.2	-8.2
9	400 kV	PATNA-BALIA	2	0	680	0.0	22.6	-22.6
10	400 kV	NAUBATPUR-BALIA	2	0	738	0.0	6.7	-6.7
11	400 kV	BIHARSHARIF-BALIA	2	37	240	0.0	3.4	-3.4
12	400 kV	MOTIHARI-GORAKHPUR	2	0	584	0.0	10.8	-10.8
13	400 kV	BIHARSHARIF-VARANASI	2	0	501	0.0	9.9	-9.9
14	220 kV	SAHUPURI-KARAMNANA	1	0	108	0.0	1.7	-1.7
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.1	0.0	0.1
16	132 kV	GARWAH-RIHAND	1	30	0	0.5	0.0	0.5
17	132 kV	KARMANASA-SAHUPURI	1	0	0	0.0	0.0	0.0
18	132 kV	KARMANASA-CHANDALI	1	0	0	0.0	0.0	0.0
					ER-NR	0.7	118.1	-117.5
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	659	407	4.8	0.0	4.8
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	0	1594	0.0	25.7	-25.7
3	765 kV	JHARSUGUDA-DURG	2	0	1128	0.0	19.4	-19.4
4	400 kV	JHARSUGUDA-RAIGARH	4	0	773	0.0	15.4	-15.4
5	400 kV	RANCHI-SIPAT	2	0	494	0.0	7.8	-7.8
6	220 kV	BUDHIPADAR-RAIGARH	1	0	160	0.0	2.7	-2.7
7	220 kV	BUDHIPADAR-KORBA	2	55	65	0.0	0.3	-0.3
					ER-WR	4.8	71.2	-66.4
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	654	0.0	15.0	-15.0
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1986	0.0	43.5	-43.5
3	765 kV	ANGUL-SRIKAKULAM	2	0	2975	0.0	60.4	-60.4
4	400 kV	TALCHER-I/C	2	402	217	1.2	0.0	1.2
5	220 kV	BALIMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0
					ER-SR	0.0	118.8	-118.8
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	0	7	0.8	0.1	0.7
2	400 kV	ALIPURDUAR-BONGAIGAON	2	593	101	4.9	0.0	4.9
3	220 kV	ALIPURDUAR-SALAKATI	2	99	10	1.0	0.0	1.0
					ER-NER	6.6	0.1	6.5
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	704	0	17.3	0.0	17.3
					NER-NR	17.3	0.0	17.3
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	1491	0.0	35.1	-35.1
2	HVDC	VINDHYACHAL B/B	-	175	0	5.1	0.0	5.1
3	HVDC	MUNDRA-MOHINDERGARH	2	0	981	0.0	17.6	-17.6
4	765 kV	GWALIOR-AGRA	2	0	2107	0.0	21.9	-21.9
5	765 kV	GWALIOR-PHAGI	2	63	1618	0.0	23.1	-23.1
6	765 kV	JABALPUR-ORAI	2	0	953	0.0	17.9	-17.9
7	765 kV	GWALIOR-ORAI	1	790	0	13.5	0.0	13.5
8	765 kV	SATNA-ORAI	1	0	1120	0.0	20.8	-20.8
9	765 kV	BANASKANTHA-CHITORGARH	2	970	547	8.7	0.7	8.0
10	765 kV	VINDHYACHAL-VARANASI	2	273	1548	0.0	12.5	-12.5
11	400 kV	ZERDA-KANKROLI	1	188	76	1.5	0.1	1.5
12	400 kV	ZERDA -BHINMAL	1	463	188	4.2	0.5	3.7
13	400 kV	VINDHYACHAL -RIHAND	1	483	0	10.8	0.0	10.8
14	400 kV	RAPP-SHUALPUR	2	546	197	5.6	0.4	5.3
15	220 kV	BHANPURA-RANPUR	1	50	97	0.6	0.3	0.4
16	220 kV	BHANPURA-MORAK	1	0	30	1.1	0.1	1.0
17	220 kV	MEHGAON-AURAIYA	1	102	0	1.5	0.0	1.5
18	220 kV	MALANPUR-AURAIYA	1	66	11	0.9	0.0	0.9
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	53.5	150.9	-97.4
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	0	1011	0.0	19.9	-19.9
2	HVDC	RAIGARH-PUGALUR	2	0	6023	0.0	95.6	-95.6
3	765 kV	SOLAPUR-RAICHUR	2	627	1671	1.3	18.0	-16.7
4	765 kV	WARDHA-NIZAMABAD	2	0	2554	0.0	45.6	-45.6
5	765 kV	WARORA-WARANGAL(NEW)	2	0	2701	0.0	49.9	-49.9
6	400 kV	KOLHAPUR-KUDGI	2	1334	0	15.5	0.0	15.5
7	220 kV	KOLHAPUR-CHIKODI	2	0	0	0.0	0.0	0.0
8	220 kV	PONDA-AMBEWADI	1	0	94	1.6	0.0	1.6
9	220 kV	XELDEM-AMBEWADI	1	0	105	2.0	0.0	2.0
					WR-SR	20.4	228.9	-208.6

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 MANGDECHHU HEP 4*180MW)	-194	75	-121	-2.91
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP 6*170MW)	-264	129	-53	-1.26
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	-251	-116	-199	-4.78
	NER	132kV GELEPHU-SALAKATI	-32	0	-18	-0.44
	NER	132kV MOTANGA-RANGIA	30	0	10	0.25
NEPAL	NR	NEPAL IMPORT (FROM UP)	-75	0	-59	-1.42
	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-75	0	-60	-1.45
	ER	NEPAL IMPORT (FROM BIHAR)	157	0	-67	-1.61
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-391	-308	-381	-9.15
BANGLADESH	ER	BHERAMARA B/B HVDC (B'DESH)	-926	-641	-818	-19.62
	ER (Isolated from Indian Grid)	400kV GODDA_TPS-RAHANPUR (B'DESH) D/C	-1320	-804	-1048	-25.14
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-118	0	-103	-2.46

CROSS BORDER EXCHANGE SCHEDULE

Date of Reporting: 26-Feb-2024

Export From India (in MU)

Country	GNA (ISGS/PPA)	T-GNA							TOTAL
		BILATERAL TOTAL	COLLECTIVE						
			IDAM			RTM			
		IEX	PXIL	HPX	IEX	PXIL	HPX		
Bhutan	0.00	0.00	10.61	0.00	0.00	0.67	0.00	0.00	11.28
Nepal	0.19	0.00	10.09	0.00	0.00	0.00	0.00	0.00	10.28
Bangladesh	19.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19.62
Myanmar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Export	19.81	0.00	20.70	0.00	0.00	0.67	0.00	0.00	41.18

Import by India(in MU)

Country	GNA (ISGA/PPA)	T-GNA							TOTAL
		BILATERAL TOTAL	COLLECTIVE						
			IDAM			RTM			
		IEX	PXIL	HPX	IEX	PXIL	HPX		
Bhutan	0.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.39
Nepal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bangladesh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Myanmar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Import	0.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.39

Net from India(in MU)

-ve : Export / +ve : Import

Country	GNA (ISGS/PPA)	T-GNA							TOTAL
		BILATERAL TOTAL	COLLECTIVE						
			IDAM			RTM			
		IEX	PXIL	HPX	IEX	PXIL	HPX		
Bhutan	0.39	0.00	-10.61	0.00	0.00	-0.67	0.00	0.00	-10.89
Nepal	-0.19	0.00	-10.09	0.00	0.00	0.00	0.00	0.00	-10.28
Bangladesh	-19.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-19.62
Myanmar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Net	-19.42	0.00	-20.70	0.00	0.00	-0.67	0.00	0.00	-40.79