



**National Load Despatch Centre**  
**राष्ट्रीय भार प्रेषण केंद्र**  
**GRID CONTROLLER OF INDIA LIMITED**  
**ग्रीड 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: 07<sup>th</sup> March 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., डोंगतेिह, 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 06.03.2024.**

महोदय/Dear Sir,

आईंईंजींसीं-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 06-मार्च -2024 की अखिल भारतीय प्रणाली की दैनिक ग्रीड निष्पादन रिपोर्ट रांभांप्रेंकें 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 06<sup>th</sup> March 2024, is available at the NLDC website.

धन्यवाद,

Report for previous day

Date of Reporting: 07-Mar-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)	51002	61303	52528	22417	2711	189961
Peak Shortage (MW)	0	0	0	390	0	390
Energy Met (MU)	1094	1424	1363	477	48	4406
Hydro Gen (MU)	126	26	49	18	9	228
Wind Gen (MU)	13	81	32	-	-	127
Solar Gen (MU)*	139.06	85.59	130.59	2.97	1.25	359
Energy Shortage (MU)	0.30	0.00	0.00	1.08	0.00	1.38
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	56946	67412	66821	23031	2770	213020
Time Of Maximum Demand Met	09:57	10:44	10:54	18:29	18:03	10:26

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	0.046	0.00	0.67	8.09	8.76	76.94	14.30

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	7722	0	149.2	54.0	0.3	347	0.00
	Haryana	7126	0	142.8	99.2	-0.6	150	0.00
	Rajasthan	16088	0	302.4	109.7	0.2	599	0.00
	Delhi	4191	0	71.2	62.0	0.9	279	0.00
	UP	15423	0	287.0	60.6	-0.5	505	0.00
	Uttarakhand	2216	0	40.7	25.6	0.2	166	0.00
	HP	2123	0	33.8	27.0	-0.4	222	0.00
	J&K(UT) & Ladakh(UT)	2774	0	59.5	54.6	-0.9	65	0.30
	Chandigarh	236	0	3.7	3.7	-0.1	25	0.00
Railways NR ISTS	183	0	3.7	3.7	0.1	20	0.00	
WR	Chhattisgarh	5876	0	129.7	66.5	-0.7	274	0.00
	Gujarat	18569	0	388.1	163.7	-0.3	630	0.00
	MP	13001	0	242.8	141.2	-4.9	410	0.00
	Maharashtra	27135	0	591.2	199.1	-3.4	835	0.00
	Goa	702	0	13.2	14.1	-1.3	25	0.00
	DNHDDPDCL	1237	0	28.0	28.3	-0.3	67	0.00
	AMNSIL	817	0	18.6	8.8	0.1	293	0.00
	BALCO	523	0	12.5	12.5	0.0	10	0.00
SR	Andhra Pradesh	13109	0	240.4	90.7	-1.1	684	0.00
	Telangana	15403	0	298.4	177.6	-1.0	717	0.00
	Karnataka	16790	0	323.9	166.0	-1.8	715	0.00
	Kerala	4816	0	97.3	75.5	1.2	236	0.00
	Tamil Nadu	18466	0	393.2	241.4	0.8	773	0.00
	Puducherry	439	0	9.6	9.4	-0.3	24	0.00
ER	Bihar	4687	0	86.5	74.5	-0.5	350	0.00
	DVC	3186	0	68.0	-41.1	-1.9	432	0.00
	Jharkhand	1615	0	36.0	22.3	0.8	353	1.08
	Odisha	5724	0	122.4	47.2	0.7	420	0.00
	West Bengal	7921	0	162.0	20.6	-1.7	240	0.00
	Sikkim	114	0	1.9	1.7	0.2	49	0.00
Railways ER ISTS	10	0	0.1	0.1	0.0	6	0.00	
NER	Arunachal Pradesh	171	0	2.9	2.9	-0.1	23	0.00
	Assam	1588	0	28.0	22.8	-0.3	168	0.00
	Manipur	226	0	3.1	3.1	0.0	28	0.00
	Meghalaya	353	0	6.1	5.2	-0.1	44	0.00
	Mizoram	130	0	1.9	1.6	-0.2	4	0.00
	Nagaland	146	0	2.3	2.3	-0.1	37	0.00
Tripura	237	0	3.9	3.9	-0.1	34	0.00	

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

	Bhutan	Nepal	Bangladesh	Godda -> Bangladesh
Actual (MU)	-7.5	-13.6	-22.7	-25.4
Day Peak (MW)	-593.0	-606.9	-1075.0	-1340.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	115.3	-296.1	317.9	-143.9	6.7	0.0
Actual(MU)	114.1	-301.1	337.6	-163.1	7.3	-5.2
O/D/U/D(MU)	-1.2	-5.1	19.6	-19.2	0.6	-5.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	6338	8209	4738	4544	788	24616	47
State Sector	7176	11082	5271	3597	99	27224	53
Total	13513	19290	10009	8140	887	51839	100

G. Sourcewise generation (Gross) (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	686	1559	741	708	13	3708	77
Lignite	30	18	67	0	0	115	2
Hydro	126	26	49	18	9	228	5
Nuclear	31	37	52	0	0	120	3
Gas, Naptha & Diesel	12	42	6	0	24	85	2
RES (Wind, Solar, Biomass & Others)	171	169	197	5	1	543	11
Total	1057	1851	1112	731	47	4799	100

Share of RES in total generation (%)	16.16	9.13	17.69	0.66	2.66	11.31
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	31.18	12.57	26.74	3.16	21.59	18.61

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.018
Based on State Max Demands	1.037

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

	Max Demand Met(MW)	Time	Shortage(MW)
Solar hr	213020	10:26	35
Non-Solar hr	193447	19:08	390

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: 07-Mar-2024

Sl No	Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
<b>Import/Export of ER (With NR)</b>								
1	HVDC	ALIPURDUAR-AGRA	2	0	0	0.0	0.0	0.0
2	HVDC	PUSAULI B/B	-	0	48	0.0	1.3	-1.3
3	765 kV	GAYA-VARANASI	2	0	749	0.0	10.9	-10.9
4	765 kV	SASARAM-FATEHPUR	1	0	532	0.0	9.9	-9.9
5	765 kV	GAYA-BALIA	1	0	463	0.0	5.1	-5.1
6	400 kV	PUSAULI-VARANASI	1	9	62	0.0	0.6	-0.6
7	400 kV	PUSAULI-ALLAHABAD	1	15	54	0.0	0.5	-0.5
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	102	471	0.0	4.4	-4.4
9	400 kV	PATNA-BALIA	2	0	508	0.0	12.5	-12.5
10	400 kV	NAUBATPUR-BALIA	2	0	350	0.0	3.8	-3.8
11	400 kV	BIHARSHARIFF-BALIA	2	129	152	0.0	0.0	0.0
12	400 kV	MOTIHARI-GORAKHPUR	2	0	473	0.0	7.5	-7.5
13	400 kV	BIHARSHARIFF-VARANASI	2	0	315	0.0	4.6	-4.6
14	220 kV	SAHUPURI-KARAMNANA	1	0	95	0.0	1.3	-1.3
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.4	0.0	0.4
16	132 kV	GARWAH-RIHAND	1	30	0	0.4	0.0	0.4
17	132 kV	KARMANASA-SAHUPURI	1	0	0	0.0	0.0	0.0
18	132 kV	KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0
					<b>ER-NR</b>	<b>0.8</b>	<b>62.3</b>	<b>-61.5</b>
<b>Import/Export of ER (With WR)</b>								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	1127	0	12.8	0.0	12.8
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	0	1324	0.0	20.1	-20.1
3	765 kV	JHARSUGUDA-DURG	2	0	699	0.0	14.4	-14.4
4	400 kV	JHARSUGUDA-RAIGARH	4	0	533	0.0	10.1	-10.1
5	400 kV	RANCHI-SIPAT	2	0	387	0.0	6.8	-6.8
6	220 kV	BUDHIPADAR-RAIGARH	1	0	186	0.0	3.1	-3.1
7	220 kV	BUDHIPADAR-KORBA	2	101	50	0.7	0.0	0.7
					<b>ER-WR</b>	<b>13.5</b>	<b>54.6</b>	<b>-41.1</b>
<b>Import/Export of ER (With SR)</b>								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	2780	635	0.0	13.1	-13.1
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1992	0.0	41.2	-41.2
3	765 kV	ANGUL-SRIKAKULAM	2	0	3298	0.0	62.5	-62.5
4	400 kV	TALCHER-I/C	2	703	256	3.4	0.0	3.4
5	220 kV	BALIMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0
					<b>ER-SR</b>	<b>0.0</b>	<b>116.8</b>	<b>-116.8</b>
<b>Import/Export of ER (With NER)</b>								
1	400 kV	BINAGURI-BONGAIGAON	2	0	6	1.7	0.0	1.7
2	400 kV	ALIPURDUAR-BONGAIGAON	2	579	0	7.9	0.0	7.9
3	220 kV	ALIPURDUAR-SALAKATI	2	50	0	0.6	0.0	0.6
					<b>ER-NER</b>	<b>10.3</b>	<b>0.0</b>	<b>10.3</b>
<b>Import/Export of NER (With NR)</b>								
1	HVDC	BISWANATH CHARIALI-AGRA	2	709	0	17.3	0.0	17.3
					<b>NER-NR</b>	<b>17.3</b>	<b>0.0</b>	<b>17.3</b>
<b>Import/Export of WR (With NR)</b>								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	2009	0.0	48.0	-48.0
2	HVDC	VINDHYACHAL B/B	-	426	0	12.1	0.0	12.1
3	HVDC	MUNDRA-MOHINDERGARH	2	0	692	0.0	14.0	-14.0
4	765 kV	GWALIOR-AGRA	2	196	1584	0.3	12.7	-12.4
5	765 kV	GWALIOR-PHAGI	2	386	1636	0.2	19.5	-19.3
6	765 kV	JABALPUR-ORAI	2	294	710	0.0	7.4	-7.4
7	765 kV	GWALIOR-ORAI	1	786	0	13.0	0.0	13.0
8	765 kV	SATNA-ORAI	1	0	1046	0.0	19.7	-19.7
9	765 kV	BANASKANTHA-CHITORGARH	2	1400	98	13.0	0.0	12.9
10	765 kV	VINDHYACHAL-VARANASI	2	0	1785	0.0	23.1	-23.1
11	400 kV	ZERDA-KANKROLI	1	306	20	3.4	0.0	3.4
12	400 kV	ZERDA-BHINMAL	1	697	121	5.5	0.2	5.4
13	400 kV	VINDHYACHAL-RIHAND	1	981	0	22.3	0.0	22.3
14	400 kV	RAPP-SHUALPUR	2	705	314	4.6	0.9	3.7
15	220 kV	BHANPURA-RANPUR	1	0	153	0.0	2.4	-2.4
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	1.5	-1.5
17	220 kV	MEHGAON-AURAIYA	1	99	0	1.4	0.0	1.4
18	220 kV	MALANPUR-AURAIYA	1	70	3	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
					<b>WR-NR</b>	<b>76.6</b>	<b>149.3</b>	<b>-72.7</b>
<b>Import/Export of WR (With SR)</b>								
1	HVDC	BHADRAWATI B/B	-	0	1014	0.0	23.9	-23.9
2	HVDC	RAIGARH-PUGALUR	2	0	5515	0.0	110.0	-110.0
3	765 kV	SOLAPUR-RAICHUR	2	0	2457	0.0	30.5	-30.5
4	765 kV	WARDHA-NIZAMABAD	2	0	3639	0.0	60.2	-60.2
5	765 kV	WARORA-WARANGAL(NEW)	2	0	3469	0.0	59.3	-59.3
6	400 kV	KOLHAPUR-KUDGI	2	1065	50	12.7	0.0	12.7
7	220 kV	KOLHAPUR-CHIKODI	2	0	0	0.0	0.0	0.0
8	220 kV	PONDA-AMBEWADI	1	0	0	0.0	0.0	0.0
9	220 kV	XELDEM-AMBEWADI	1	0	119	2.3	0.0	2.3
					<b>WR-SR</b>	<b>15.0</b>	<b>283.9</b>	<b>-268.9</b>

**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)	-210	96	-59	-1.42
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP 6*170MW)	-249	111	-91	-2.19
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	-230	-94	-157	-3.78
	NER	132kV GELEPHU-SALAKATI	-25	-3	-14	-0.34
NEPAL	NER	132kV MOTANGA-RANGIA	18	-9	8	0.20
	NR	NEPAL IMPORT (FROM UP)	-74	0	-57	-1.36
	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-74	0	-62	-1.50
	ER	NEPAL IMPORT (FROM BIHAR)	-196	-23	-106	-2.54
BANGLADESH	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-411	0	-343	-8.23
	ER	BHERAMARA B/B HVDC (B'DESH)	-937	-644	-826	-19.83
	ER (Isolated from Indian Grid)	400kV GODDA_TPS-RAHANPUR (B'DESH) D/C	-1340	-808	-1058	-25.39
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-138	0	-118	-2.84

CROSS BORDER EXCHANGE SCHEDULE

Date of Reporting: 07-Mar-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	7.36	0.00	0.00	2.15	0.00	0.00	9.51	
Nepal	0.25	0.00	9.94	0.00	0.00	0.00	0.00	0.00	10.19	
Bangladesh	19.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19.79	
Myanmar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Total Export	20.04	0.00	17.30	0.00	0.00	2.15	0.00	0.00	39.49	

Import by India(in MU)

Country	GNA (ISGA/PPA)	T-GNA							TOTAL	
		BILATERAL TOTAL	COLLECTIVE							
			IDAM			RTM				
			IEX	PXIL	HPX	IEX	PXIL	HPX		
Bhutan	0.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.83	
Nepal	0.00	0.00	0.00	0.00	0.00	0.24	0.00	0.00	0.24	
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	0.83	0.00	0.00	0.00	0.00	0.24	0.00	0.00	1.07	

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	0.83	0.00	-7.36	0.00	0.00	-2.15	0.00	0.00	-8.68	
Nepal	-0.25	0.00	-9.94	0.00	0.00	0.24	0.00	0.00	-9.95	
Bangladesh	-19.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-19.79	
Myanmar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Total Net	-19.21	0.00	-17.30	0.00	0.00	-1.91	0.00	0.00	-38.42	