



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: 09<sup>th</sup> April 2023

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 08.04.2023.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 08-अप्रैल-2023 की अखिल भारतीय प्रणाली की दैनिक ग्रीड निष्पादन रिपोर्ट रा०भा०प्रे०के० 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 08<sup>th</sup> April 2023, is available at the NLDC website.

धन्यवाद,

Report for previous day

Date of Reporting: 09-Apr-2023

A. Power Supply Position at All India and Regional level

	NR	WR	SR	ER	NER	TOTAL
Demand Met during Evening Peak hrs(MW) (at 20:00 hrs; from RLDCs)	49779	57267	48049	23404	2695	181194
Peak Shortage (MW)	0	0	0	382	69	451
Energy Met (MU)	1034	1395	1230	532	50	4241
Hydro Gen (MU)	113	31	70	41	10	266
Wind Gen (MU)	30	63	49	-	-	143
Solar Gen (MU)*	138.98	55.28	121.59	6.07	1.23	323
Energy Shortage (MU)	1.75	0.00	0.00	3.08	1.45	6.28
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	52309	63430	58886	24396	2863	189327
Time Of Maximum Demand Met (From NLDC SCADA)	19:24	15:33	12:23	20:28	18:30	11:59

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	0.048	0.00	0.96	8.92	9.88	71.11	19.00

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	6287	0	130.4	34.7	-1.1	446	0.00
	Haryana	6917	0	131.3	96.6	-0.2	297	0.00
	Rajasthan	11534	0	231.6	42.6	-2.1	214	0.00
	Delhi	3544	0	71.8	71.3	-1.7	62	0.00
	UP	19117	0	337.2	100.0	0.0	316	0.00
	Uttarakhand	1903	0	37.6	26.7	0.4	133	1.13
	HP	1670	0	31.6	20.2	0.3	81	0.37
	J&K(UT) & Ladakh(UT)	2873	0	56.2	49.2	-1.4	96	0.25
	Chandigarh	182	0	3.3	3.4	0.0	28	0.00
	Railways NR ISTS	152	0	3.1	3.2	-0.1	3	0.00
WR	Chhattisgarh	4843	0	110.2	56.5	-0.8	269	0.00
	Gujarat	19645	0	431.7	191.1	2.4	1219	0.00
	MP	11265	0	235.6	141.1	-3.9	517	0.00
	Maharashtra	25620	0	543.7	177.3	-1.3	671	0.00
	Goa	697	0	14.9	14.2	0.2	63	0.00
	DNHDDPDCL	1263	0	29.2	29.4	-0.2	41	0.00
	AMNSIL	816	0	17.6	8.2	-0.1	262	0.00
	BALCO	520	0	12.4	12.4	0.0	12	0.00
	Andhra Pradesh	11358	0	225.0	90.0	1.4	814	0.00
	Telangana	12710	0	254.2	120.6	1.1	673	0.00
SR	Karnataka	13826	0	274.6	126.4	-1.3	760	0.00
	Kerala	4330	0	87.9	63.8	-0.5	99	0.00
	Tamil Nadu	17731	0	378.8	239.4	1.1	521	0.00
	Puducherry	414	0	9.0	9.6	-0.6	24	0.00
	Bihar	5789	0	109.0	96.1	-0.8	250	0.51
ER	DVC	3543	0	76.9	49.1	-0.3	268	0.00
	Jharkhand	1428	257	32.3	23.6	0.3	127	2.57
	Odisha	5534	0	107.8	42.7	-1.5	389	0.00
	West Bengal	9482	0	204.3	62.9	-2.6	110	0.00
	Sikkim	100	0	1.5	1.4	0.1	41	0.00
NER	Arunachal Pradesh	155	0	2.5	2.4	0.1	47	0.00
	Assam	1718	0	31.2	24.2	0.4	138	0.00
	Manipur	213	0	2.7	2.6	0.0	40	0.00
	Meghalaya	295	55	5.2	3.1	0.1	35	1.45
	Mizoram	126	0	1.8	1.6	-0.3	10	0.00
	Nagaland	135	0	2.0	2.1	-0.1	21	0.00
	Tripura	271	0	4.7	5.1	0.4	61	0.00

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

	Bhutan	Nepal	Bangladesh	Godda -> Bangladesh
Actual (MU)	-2.2	-11.0	-23.8	-10.3
Day Peak (MW)	-360.0	-579.0	-1044.0	-754.5

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	72.1	-181.1	224.1	-113.0	-2.2	0.0
Actual(MU)	49.9	-167.2	229.3	-122.3	-1.2	-11.5
O/D/U/D(MU)	-22.3	13.9	5.2	-9.3	1.0	-11.5

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	4537	12606	3798	1775	534	23249	43
State Sector	11330	11766	5721	1830	348	30994	57
Total	15867	24371	9519	3605	882	54243	100

G. Sourcewise generation (Gross) (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	685	1457	667	704	17	3530	77
Lignite	25	20	65	0	0	110	2
Hydro	113	31	70	41	10	266	6
Nuclear	30	34	63	0	0	127	3
Gas, Naptha & Diesel	7	17	6	0	29	59	1
RES (Wind, Solar, Biomass & Others)	189	120	201	7	1	519	11
Total	1049	1681	1071	753	57	4611	100

Share of RES in total generation (%)	18.06	7.17	18.73	0.92	2.16	11.25
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	31.72	11.06	31.17	6.41	19.15	19.77

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.066
Based on State Max Demands	1.099

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.

\*\*Note: All generation MU figures are gross

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

Executive Director-NLDC

INTER-REGIONAL EXCHANGES

Import=(+ve)/Export =(-ve) for NET (MU)  
Date of Reporting: 09-Apr-2023

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	207	0.0	7.0	-7.0	
3	765 kV	GAYA-VARANASI	2	49	691	0.0	8.0	-8.0	
4	765 kV	SASARAM-FAITEHPUR	1	0	368	0.0	5.5	-5.5	
5	765 kV	GAYA-BALIA	1	0	596	0.0	7.8	-7.8	
6	400 kV	PUSAULI-VARANASI	1	0	240	0.0	4.5	-4.5	
7	400 kV	PUSAULI-ALLAHABAD	1	0	166	0.0	2.7	-2.7	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	264	621	0.0	2.7	-2.7	
9	400 kV	PATNA-BALIA	2	0	508	0.0	7.5	-7.5	
10	400 kV	NALBATTI-R-BALIA	2	0	503	0.0	7.5	-7.5	
11	400 kV	BIHARSHARIFE-BALIA	2	324	219	1.2	0.0	1.2	
12	400 kV	MOTIHARI-GORAKHPUR	2	1	506	0.0	5.7	-5.7	
13	400 kV	BIHARSHARIFE-VARANASI	2	122	257	0.0	1.6	-1.6	
14	220 kV	SAHUPUR-BAKRAMANASA	1	0	174	0.0	2.8	-2.8	
15	132 kV	NAGARUNTARI-RIHAND	1	0	0	0.0	0.0	0.0	
16	132 kV	GARWAH-RIHAND	1	25	0	0.6	0.0	0.6	
17	132 kV	KARMANASA-SAHUPURI	1	0	26	0.0	0.0	0.0	
18	132 kV	KARMANASA-CHANDLAULI	1	0	0	0.0	0.0	0.0	
						ER-NR	1.8	63.2	-61.5
<b>Import/Export of ER (With WR)</b>									
1	765 kV	JHARSUGUDA-DHARAMJIAGARH	4	1301	0	20.4	0.0	20.4	
2	765 kV	NEW RANCHI-DHARAMJIAGARH	2	438	774	0.0	2.0	-2.0	
3	765 kV	JHARSUGUDA-DURG	2	0	850	0.0	14.9	-14.9	
4	400 kV	JHARSUGUDA-RAIGARH	4	0	570	0.0	8.5	-8.5	
5	400 kV	RANCHI-SIPAT	2	35	253	0.0	2.3	-2.3	
6	220 kV	BUDDHIPADAR-RAIGARH	1	0	138	0.0	2.3	-2.3	
7	220 kV	BUDDHIPADAR-KORBA	2	70	34	0.6	0.0	0.6	
						ER-WR	21.0	29.9	-8.9
<b>Import/Export of ER (With SR)</b>									
1	HVDC	JEYPORE-GAZIWAKA B/B	2	0	550	0.0	12.6	-12.6	
2	HVDC	TALCHER-KOLAR-BIPPLE	2	0	1994	0.0	44.9	-44.9	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2735	0.0	53.9	-53.9	
4	400 kV	TALCHER-I/C	2	310	151	0.0	0.3	-0.3	
5	220 kV	BALIMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0	
						ER-SR	0.0	111.4	-111.4
<b>Import/Export of ER (With NER)</b>									
1	400 kV	BINAGURI-BONGAIGAOIN	2	196	201	1.7	0.3	1.4	
2	400 kV	ALIPURDUAR-BONGAIGAOIN	2	661	204	5.3	0.0	5.3	
3	220 kV	ALIPURDUAR-SALAKATI	2	104	33	0.9	0.0	0.9	
						ER-NER	7.9	0.3	7.6
<b>Import/Export of NER (With NR)</b>									
1	HVDC	BISWANATH CHARIALI-AGRA	2	656	0	7.1	0.0	7.1	
						NER-NR	7.1	0.0	7.1
<b>Import/Export of WR (With NR)</b>									
1	HVDC	CHAMPA-KURUKSHETRA	2	0	315	0.0	7.5	-7.5	
2	HVDC	VINDHYACHAL-B/B	-	138	0	3.6	0.0	3.6	
3	HVDC	MUNDRA-MOHINDERGARH	2	0	999	0.0	13.2	-13.2	
4	765 kV	GWALIOR-AGRA	2	247	2419	0.1	25.2	-25.1	
5	765 kV	GWALIOR-PHAGI	2	234	2951	0.1	24.1	-23.7	
6	765 kV	JABALPUR-ORAI	2	87	869	0.0	14.3	-14.3	
7	765 kV	GWALIOR-ORAI	1	1049	0	18.4	0.0	18.4	
8	765 kV	SATNA-ORAI	1	0	982	0.0	17.4	-17.4	
9	765 kV	BANASKANTHA-CHITORGARH	2	2366	0	34.9	0.0	34.9	
10	765 kV	VINDHYACHAL-VARANASI	2	0	2202	0.0	31.1	-31.1	
11	400 kV	ZERDA-KANKROLI	1	426	4	7.0	0.0	7.0	
12	400 kV	ZERDA-BHINMAL	1	825	740	11.7	0.0	11.7	
13	400 kV	VINDHYACHAL-RIHAND	1	855	0	21.0	0.0	21.0	
14	400 kV	RAPS-SHILAIPTUR	2	632	519	5.1	2.6	2.6	
15	220 kV	BHANPURA-BANPUR	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	111	0	0.0	0.0	0.0	
18	220 kV	MALANPUR-AURAIYA	1	93	13	1.2	0.0	1.2	
19	132 kV	GWALIOR-SAWALMADHOPUR	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	117.4	122.2	-4.8
<b>Import/Export of WR (With SR)</b>									
1	HVDC	BHADRAWATI-B/B	-	0	1016	0.0	22.5	-22.5	
2	HVDC	BAHARH-PUGAULUR	2	0	6018	0.0	112.3	-112.3	
3	765 kV	KOLHAPUR-KACHHUP	2	593	1757	0.6	16.5	-16.0	
4	765 kV	WARDHA-NIZAMABAD	2	0	2699	0.0	43.1	-43.1	
5	400 kV	KOLHAPUR-KUDGI	2	1282	0	20.3	0.0	20.3	
6	220 kV	KOLHAPUR-CHIKODI	2	0	0	0.0	0.0	0.0	
7	220 kV	BONDA-AMBEWADI	1	0	219	0.0	0.0	0.0	
8	220 kV	NELDEMI-AMBEWADI	1	0	125	2.5	0.0	2.5	
						WR-SR	23.4	194.4	-171.0
<b>INTERNATIONAL EXCHANGES</b>									
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)	-172	61	-39	-1.18			
	ER	400kV TALA-BINAGURI 1,2,3 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP 6*170MW)	204	-100	66	1.16			
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	-150	-81	-107	-2.57			
	NER	132kV GELEPHU-SALAKATI	-18	-3	-10	-0.25			
NEPAL	NER	132kV MOTANGA-RANGIA	0	0	0	0.00			
	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-71	0	-54	-1.30			
	ER	NEPAL IMPORT (FROM BIHAR)	-87	-65	-77	-1.84			
BANGLADESH	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-421	-176	-326	-7.83			
	ER	BHERAMARA B/B HVDC (B'DESH)	-919	-816	-894	-21.46			
	ER (Isolated from Indian Grid)	400kV GODDA_TPS-RAHANPUR (B'DESH) D/C	-755	82	-429	-10.30			
BANGLADESH	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-125	0	-98	-2.36			