



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: 07th 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 06.04.2023.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 06-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 06th April 2023, is available at the NLDC website.

धन्यवाद,

Report for previous day

Date of Reporting: 07-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)	48858	58488	48879	22857	2623	181705
Peak Shortage (MW)	0	0	0	178	66	244
Energy Met (MU)	994	1409	1276	506	47	4232
Hydro Gen (MU)	119	67	80	38	10	314
Wind Gen (MU)	41	111	32	-	-	184
Solar Gen (MU)*	138.56	59.81	120.88	5.31	1.20	326
Energy Shortage (MU)	2.35	0.00	0.00	3.18	1.34	6.87
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	51324	64374	62404	23633	2752	192061
Time Of Maximum Demand Met (From NLDC SCADA)	19:19	11:26	12:30	20:58	18:26	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	0.067	0.00	2.46	10.91	13.38	64.59	22.03

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	5980	0	123.7	32.6	-1.3	84	0.00
	Haryana	6393	0	124.5	91.6	-1.7	179	0.00
	Rajasthan	10866	0	219.4	27.0	-5.6	158	0.00
	Delhi	3632	0	74.1	73.0	-1.3	103	0.00
	UP	18304	0	320.2	96.4	0.5	402	0.75
	Uttarakhand	1921	0	38.4	26.2	0.3	182	0.01
	HP	1738	0	31.9	19.9	0.1	89	0.61
	J&K(UT) & Ladakh(UT)	2814	0	55.0	48.2	-2.6	137	0.98
	Chandigarh	182	0	3.1	3.1	0.0	30	0.00
	Railways NR ISTS	160	0	3.1	3.2	-0.1	20	0.00
WR	Chhattisgarh	5184	0	120.4	65.6	0.4	245	0.00
	Gujarat	19185	0	421.0	200.5	-0.9	856	0.00
	MP	11462	0	240.4	142.9	-1.1	479	0.00
	Maharashtra	27429	0	555.6	197.9	1.3	915	0.00
	Goa	675	0	13.8	13.8	-0.4	71	0.00
	DNHDDPDCL	1222	0	28.1	28.6	-0.5	69	0.00
	AMNSIL	785	0	17.3	7.4	0.6	304	0.00
	BALCO	519	0	12.4	12.4	0.0	15	0.00
	Andhra Pradesh	11520	0	233.1	81.4	0.4	422	0.00
	Telangana	13849	0	270.0	138.2	0.8	793	0.00
SR	Karnataka	15681	0	294.9	136.7	2.4	1167	0.00
	Kerala	4195	0	89.1	68.2	-0.2	240	0.00
	Tamil Nadu	18252	0	378.4	227.9	2.8	833	0.00
	Puducherry	432	0	10.1	9.8	-0.4	18	0.00
	Bihar	5566	0	102.9	90.9	-1.4	274	0.57
ER	DVC	3413	0	73.0	-48.5	0.1	565	0.00
	Jharkhand	1377	0	30.2	23.5	-0.3	148	2.61
	Odisha	5412	0	107.3	36.5	-2.8	310	0.00
	West Bengal	8953	0	191.5	51.2	-2.5	285	0.00
	Sikkim	102	0	1.6	1.5	0.1	62	0.00
NER	Arunachal Pradesh	146	0	2.5	2.3	0.1	88	0.00
	Assam	1642	0	28.5	21.6	-0.2	83	0.00
	Manipur	198	0	2.7	2.7	0.0	26	0.00
	Meghalaya	302	50	5.1	3.1	0.1	61	1.34
	Mizoram	123	0	1.9	1.6	-0.1	20	0.00
	Nagaland	126	0	2.1	2.1	0.0	18	0.00
	Tripura	260	0	4.4	4.6	0.6	48	0.00

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

	Bhutan	Nepal	Bangladesh	Godda -> Bangladesh
Actual (MU)	0.7	-11.3	-24.4	-16.6
Day Peak (MW)	51.0	-507.9	-1082.0	-781.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	63.3	-137.0	229.6	-150.9	-5.0	0.0
Actual(MU)	44.7	-119.3	242.0	-165.8	-4.8	-3.1
O/D/U/D(MU)	-18.6	17.8	12.3	-14.9	0.2	-3.1

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	5247	12311	3448	980	534	22519	44
State Sector	11030	11646	4576	1100	348	28699	56
Total	16277	23956	8024	2080	882	51218	100

G. Sourcewise generation (Gross) (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	643	1334	711	732	17	3436	75
Lignite	23	22	68	0	0	112	2
Hydro	119	67	80	38	10	314	7
Nuclear	30	33	70	0	0	134	3
Gas, Naptha & Diesel	7	13	7	0	31	58	1
RES (Wind, Solar, Biomass & Others)	200	172	178	6	1	558	12
Total	1021	1641	1113	776	59	4611	100

Share of RES in total generation (%)	19.60	10.49	16.04	0.76	2.02	12.10
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	34.21	16.58	29.47	5.72	19.02	21.80

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.065
Based on State Max Demands	1.093

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: 07-Apr-2023

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	297	0.0	7.3	-7.3	
3	765 kV	GAYA-VARANASI	2	0	713	0.0	10.6	-10.6	
4	765 kV	SASARAM-FAITEHPUR	1	0	378	0.0	7.1	-7.1	
5	765 kV	GAYA-BALIA	1	0	582	0.0	7.8	-7.8	
6	400 kV	PUSAULI-VARANASI	1	0	200	0.0	3.9	-3.9	
7	400 kV	PUSAULI-ALAHABAD	1	0	168	0.0	3.4	-3.4	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	155	678	0.0	6.1	-6.1	
9	400 kV	PATNA-BALIA	2	0	525	0.0	9.1	-9.1	
10	400 kV	NAIBATTI-BALIA	2	0	570	0.0	9.2	-9.2	
11	400 kV	BIHARSHARIFE-BALIA	2	236	258	0.9	1.8	-0.8	
12	400 kV	MOTIHARI-GORAKHPUR	2	0	449	0.0	6.7	-6.7	
13	400 kV	BIHARSHARIFE-VARANASI	2	56	290	0.0	3.7	-3.7	
14	220 kV	SAHUPUR-BKARAMANASA	1	0	173	0.0	2.6	-2.6	
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	31	0.0	0.0	0.0	
18	132 kV	KARMANASA-CHANDAUJI	1	0	0	0.0	0.0	0.0	
						ER-NR	1.5	79.1	-77.6
Import/Export of ER (With WR)									
1	765 kV	JHARSUGUDA-DHARAMJIAGARH	4	1190	0	18.5	0.0	18.5	
2	765 kV	NEW RANGHI-DHARAMJIAGARH	2	454	832	0.0	6.8	-6.8	
3	765 kV	JHARSUGUDA-DURG	2	0	1028	0.0	19.1	-19.1	
4	400 kV	JHARSUGUDA-RAIGARH	4	0	761	0.0	14.2	-14.2	
5	400 kV	RANCHI-SIPAT	2	26	250	0.2	5.2	-5.2	
6	220 kV	BUDHIPADAR-RAIGARH	1	0	146	0.0	2.7	-2.7	
7	220 kV	BUDHIPADAR-KORBA	2	34	61	0.0	0.3	-0.3	
						ER-WR	18.5	46.3	-27.8
Import/Export of ER (With SR)									
1	HVDC	JEYPORE-GAZIWAKA B/B	2	0	334	0.0	7.5	-7.5	
2	HVDC	TALCHER-KOLAR BIPPLE	2	0	1986	0.0	45.3	-45.3	
3	765 kV	ANGUL-SRIKAKULAM	2	0	3004	0.0	64.0	-64.0	
4	400 kV	TALCHER-I/C	2	301	251	0.0	0.8	-0.8	
5	220 kV	BALIMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0	
						ER-SR	0.0	116.8	-116.8
Import/Export of ER (With NER)									
1	400 kV	BINAGURI-BONGAIGAOON	2	189	157	1.4	0.5	0.9	
2	400 kV	ALIPURDUAR-BONGAIGAOON	2	344	157	3.1	0.0	3.1	
3	220 kV	ALIPURDUAR-SALAKATI	2	68	38	0.5	0.0	0.5	
						ER-NER	4.9	0.5	4.5
Import/Export of <null> (With <null>)									
No Records Found									
						NER-NR	0.0	0.0	0.0
Import/Export of WR (With NR)									
1	HVDC	CHAMPA-KURUKSHETRA	2	0	795	0.0	19.9	-19.9	
2	HVDC	VINDHYACHAL B/B	-	447	0	12.2	0.0	12.2	
3	HVDC	MUNDRAMOHINDERGARH	2	0	1499	0.0	26.2	-26.2	
4	765 kV	GWALIOR-AGRA	2	139	1941	0.0	19.5	-19.5	
5	765 kV	GWALIOR-PHAGI	2	530	1808	1.1	21.8	-20.7	
6	765 kV	JABALPUR-ORAI	2	158	728	0.0	11.7	-11.7	
7	765 kV	GWALIOR-ORAI	1	942	0	15.8	0.0	15.8	
8	765 kV	SATNA-ORAI	1	0	859	0.0	17.1	-17.1	
9	765 kV	BANASKANTHA-CHITORGARH	2	2348	0	39.9	0.0	39.9	
10	765 kV	VINDHYACHAL-VARANASI	2	0	2211	0.0	28.9	-28.9	
11	400 kV	ZERDA-KANKROLI	1	431	0	7.6	0.0	7.6	
12	400 kV	ZERDA-BHINMAL	1	878	0	12.8	0.0	12.8	
13	400 kV	VINDHYACHAL-RIHAND	1	964	0	20.8	0.0	20.8	
14	400 kV	RAPESHUJALPUR	2	750	257	6.3	0.9	5.4	
15	220 kV	BHANPUR-BANPUR	1	0	0	0.0	0.0	0.0	
16	220 kV	BHANPUR-MORAK	1	0	30	0.0	0.0	0.0	
17	220 kV	MEHGAON-AURAIYA	1	101	0	0.9	0.0	0.9	
18	220 kV	MAJANPUR-AURAIYA	1	84	0	1.2	0.0	1.2	
19	132 kV	GWALIOR-SAWAI MADHOPUR	1	0	0	0.0	0.0	0.0	
20	132 kV	RAIGHATE-LALITPUR	2	0	0	0.0	0.0	0.0	
						WR-NR	144.7	119.6	25.0
Import/Export of WR (With SR)									
1	HVDC	BHADRAWATI B/B	-	0	1019	0.0	24.0	-24.0	
2	HVDC	BAIGARH-PUGALUR	2	0	6023	0.0	92.0	-92.0	
3	765 kV	SOLAPUR-RAICHUR	2	171	1713	0.0	21.3	-21.3	
4	765 kV	WARDHA-NIGAMABAD	2	0	2770	0.0	53.6	-53.6	
5	400 kV	KOLHAPUR-SUDCI	2	1122	0	0.0	16.6	0.0	
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	NELDEM-AMBEWADI	1	0	118	2.3	0.0	2.3	
						WR-SR	18.9	190.9	-172.0
INTERNATIONAL EXCHANGES									
State	Region	Line Name	Max (MW)	Min (MW)	Avg (MW)	Energy Exchange (MU)	Import(+ve)/Export(-ve)		
BHUTAN	ER	400kV MANGDECHHU-ALIPURDUAR 1,2&3 I.e. ALIPURDUAR RECEIPT (from MANGDECHHU HEP 4*180MW)	-93	35	-28	-0.68			
	ER	400kV TALA-BINAGURI 1,2,3 (& 400kV MALBASE - BINAGURI) I.e. BINAGURI RECEIPT (from TALA HEP 6*170MW)	192	120	150	3.61			
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) I.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	-135	-43	-87	-2.09			
	NER	132kV GELEPHU-SALAKATI	-15	-1	-7	-0.16			
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-66	0	-53	-1.28			
	ER	NEPAL IMPORT (FROM BIHAR)	-101	-76	-87	-2.08			
BANGLADESH	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-341	-254	-330	-7.92			
	ER (Isolated from Indian Grid)	BHERAMARA B/B HVDC (B'DESH)	-911	-799	-880	-21.13			
	NER	400kV GODDA_TPS-RAHANPUR (B'DESH) D/C	-781	0	-691	-16.58			
		132kV COMILLA-SURAJMANI NAGAR 1&2	-171	0	-135	-3.24			