



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> May 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 08.05.2023.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 08-मई-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> May 2023, is available at the NLDC website.

धन्यवाद,

ग्रिड कंट्रोल ऑफ इंडिया लिमिटेड  
राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली



Report for previous day Date of Reporting: 09-May-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)	55343	59319	45067	25341	2943	188013
Peak Shortage (MW)	927	0	0	917	11	1855
Energy Met (MU)	1202	1397	1012	572	52	4235
Hydro Gen (MU)	191	37	69	55	12	364
Wind Gen (MU)	25	81	36	-	-	142
Solar Gen (MU)*	144.66	62.87	112.70	2.93	1.18	324
Energy Shortage (MU)	8.83	0.28	0.00	5.24	1.13	15.48
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	56138	64448	47857	26581	2992	191660
Time Of Maximum Demand Met	19:58	15:02	12:32	23:15	18:39	15:01

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	0.24	10.69	10.94	72.67	16.40

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	7527	0	158.9	70.8	-1.1	130	0.00
	Harvana	7544	288	159.8	113.2	-0.5	157	0.83
	Rajasthan	13976	0	272.9	68.8	-3.1	245	2.97
	Delhi	4460	0	91.7	90.7	-1.7	92	0.00
	UP	21059	0	389.6	146.0	0.5	527	2.65
	Uttarakhand	2009	0	41.9	24.0	1.2	211	0.52
	HP	1566	0	29.1	12.3	0.7	141	0.01
	J&K(UT) & Ladakh(UT)	2663	130	50.2	32.3	0.0	255	1.85
	Chandigarh	222	0	4.5	4.0	0.5	38	0.00
	Railways NR ISTS	174	0	3.8	3.2	0.6	60	0.00
	Chhattisgarh	4752	0	107.4	43.3	-0.4	289	0.00
	Gujarat	20100	0	430.4	191.2	3.3	1337	0.28
	MP	10487	0	231.0	120.5	-2.8	325	0.00
	WR	Maharashtra	25809	0	553.0	217.3	-1.0	634
Goa	714	0	15.2	15.2	-0.3	62	0.00	
DNHDDPDCL	1248	0	28.7	29.0	-0.3	62	0.00	
AMNSIL	842	0	18.8	9.3	0.0	274	0.00	
BALCO	518	0	12.3	12.5	-0.2	513	0.00	
Andhra Pradesh	9666	0	200.7	60.8	3.4	1108	0.00	
Telangana	8475	0	176.0	43.0	1.0	455	0.00	
SR	Karnataka	12128	0	229.3	96.5	-2.9	628	0.00
Kerala	4556	0	91.3	66.2	0.4	383	0.00	
Tamil Nadu	14524	0	305.4	173.0	0.0	620	0.00	
Puducherry	424	0	9.3	9.1	-0.5	47	0.00	
Bihar	5972	0	124.7	115.4	-1.8	331	2.57	
DVC	3397	0	77.0	-48.7	-0.5	287	0.00	
Jharkhand	1632	0	34.3	27.8	-1.7	186	2.67	
ER	Odisha	5531	0	123.2	42.2	-2.0	383	0.00
West Bengal	10462	0	211.8	82.7	-2.8	222	0.00	
Sikkim	93	0	1.4	1.3	0.1	50	0.00	
Railways ER ISTS	6	0	0.1	0.2	-0.1	0	0.00	
Arunachal Pradesh	144	0	2.5	2.5	-0.1	56	0.00	
Assam	1849	0	31.6	26.3	0.1	114	0.00	
Manipur	185	0	2.4	2.4	0.0	38	0.00	
NER	Meghalaya	302	22	5.3	3.6	0.3	80	1.13
Mizoram	118	0	1.9	1.8	-0.2	13	0.00	
Nagaland	150	0	2.5	2.5	-0.1	13	0.00	
Tripura	331	0	5.8	5.7	0.3	110	0.00	

D. Transnational Exchanges (MU) - Import(+ve)/Export(-ve)				
	Bhutan	Nepal	Bangladesh	Godda -> Bangladesh
Actual (MU)	3.5	-13.1	-25.7	-18.0
Day Peak (MW)	499.5	-606.9	-1110.0	-781.0

E. Import/Export by Regions (in MU) - Import(+ve)/Export(-ve); OD(+)/UD(-)						
	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	173.9	-197.4	96.9	-76.7	3.3	0.0
Actual(MU)	161.5	-183.8	101.7	-85.2	3.8	-2.0
OD/UD(MU)	-12.4	13.6	4.8	-8.5	0.5	-2.0

F. Generation Outage(MW)							
	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	6877	10960	7618	2050	460	27965	53
State Sector	8585	10416	4361	1430	264	25055	47
Total	15462	21376	11979	3480	724	53020	100

G. Sourcewise generation (Gross) (MU)							
	NR	WR	SR	ER	NER	All India	% Share
Coal	686	1448	626	686	14	3460	75
Lignite	19	20	49	0	0	89	2
Hydro	191	37	69	55	12	364	8
Nuclear	29	36	52	0	0	117	3
Gas, Naptha & Diesel	8	13	7	0	28	56	1
RES (Wind, Solar, Biomass & Others)	185	144	177	3	1	510	11
Total	1118	1698	979	745	56	4596	100
Share of RES in total generation (%)	16.51	8.51	18.04	0.44	2.11	11.10	
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	36.19	12.80	30.34	7.87	23.99	21.56	

H. All India Demand Diversity Factor			I. All India Peak Demand and shortage at Solar and Non-Solar Hour					
Based on Regional Max Demands	1.033		Max Demand Met(MW)	191660	Time	15:01	Shortage(MW)	246
Based on State Max Demands	1.072		Solar hr		Non-Solar hr	19:50	1293	

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 >> 06:00 to 18:00hrs 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: 09-May-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	97	0.0	2.4	-2.4	
3	765 kV	GAYA-VARANASI	2	298	390	0.0	3.6	-3.6	
4	765 kV	SASARAM-FATEHPUR	1	68	325	0.0	3.7	-3.7	
5	765 kV	GAYA-BALIA	1	0	693	0.0	11.9	-11.9	
6	400 kV	PUSAULI-VARANASI	1	0	134	0.0	1.7	-1.7	
7	400 kV	PUSAULI-ALLAHABAD	1	33	60	0.0	0.6	-0.6	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	249	568	0.0	5.3	-5.3	
9	400 kV	PATNA-BALIA	2	18	551	0.0	7.3	-7.3	
10	400 kV	NAUBATPUR-BALIA	2	62	578	0.0	7.4	-7.4	
11	400 kV	BIHARSHARIFF-BALIA	2	287	277	0.0	0.9	-0.9	
12	400 kV	MOTIHARI-GORAKHPUR	2	87	468	0.0	6.3	-6.3	
13	400 kV	BIHARSHARIFF-VARANASI	2	232	159	0.0	0.5	-0.5	
14	220 kV	SAHUPURI-KARAMANASA	1	0	177	0.0	2.9	-2.9	
15	132 kV	NAGARUNTARI-RIHAND	1	0	0	0.0	0.0	0.0	
16	132 kV	GARWAH-RIHAND	1	25	0	0.2	0.0	0.2	
17	132 kV	KARMANASA-SAHUPURI	1	0	44	0.0	0.0	0.0	
18	132 kV	KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0	
						ER-NR	0.2	54.4	-54.2
<b>Import/Export of ER (With WR)</b>									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	923	0	10.9	0.0	10.9	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1220	0	19.5	0.0	19.5	
3	765 kV	JHARSUGUDA-DURG	2	0	426	0.0	7.7	-7.7	
4	400 kV	JHARSUGUDA-RAIGARH	4	0	389	0.0	5.7	-5.7	
5	400 kV	RANCHI-SIPAT	2	238	4	3.0	0.0	3.0	
6	220 kV	BUDHIPADAR-RAIGARH	1	0	61	0.0	1.4	-1.4	
7	220 kV	BUDHIPADAR-KORBA	2	118	0	1.5	0.0	1.5	
						ER-WR	34.9	14.8	20.1
<b>Import/Export of ER (With SR)</b>									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	548	0.0	12.6	-12.6	
2	HVDC	TALCHER-KOLAR RIPOLE	2	0	1653	0.0	39.6	-39.6	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2792	0.0	53.3	-53.3	
4	400 kV	TALCHER-I/C	2	255	0	4.9	0.0	4.9	
5	220 kV	BALIMELA-UPPER-SILERU	1	0	0	0.0	0.0	0.0	
						ER-SR	0.0	105.4	-105.4
<b>Import/Export of ER (With NER)</b>									
1	400 kV	BINAGURI-BONGAIGAON	2	131	28	1.4	0.0	1.3	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	411	0	5.3	0.0	5.3	
3	220 kV	ALIPURDUAR-SALAKATI	2	85	1	1.1	0.0	1.1	
						ER-NER	7.8	0.0	7.8
<b>Import/Export of NER (With NR)</b>									
1	HVDC	BISWANATH CHARIALI-AGRA	2	483	0	11.3	0.0	11.3	
						NER-NR	11.3	0.0	11.3
<b>Import/Export of WR (With SR)</b>									
1	HVDC	CHAMPA-KURUKSHETRA	2	0	2485	0.0	36.3	-36.3	
2	HVDC	VINDHYACHAL B/B	-	244	0	6.1	0.0	6.1	
3	HVDC	MUNDRA-MOHINDERGARH	2	315	299	4.0	0.0	4.0	
4	765 kV	GWALIOR-AGRA	2	0	2001	0.0	35.0	-35.0	
5	765 kV	GWALIOR-PHAGI	2	672	1337	2.0	17.2	-15.2	
6	765 kV	JABALPUR-ORAI	2	0	905	0.0	25.0	-25.0	
7	765 kV	GWALIOR-ORAI	1	858	0	13.3	0.0	13.3	
8	765 kV	SATNA-ORAI	1	0	991	0.0	19.2	-19.2	
9	765 kV	BANASKANTHA-CHITORGARH	2	1443	308	14.8	0.4	14.4	
10	765 kV	VINDHYACHAL-VARANASI	2	0	2921	0.0	56.1	-56.1	
11	400 kV	ZERDA-KANKROLI	1	308	69	3.3	0.0	3.3	
12	400 kV	ZERDA-BHINMAL	1	592	164	5.4	0.4	5.0	
13	400 kV	VINDHYACHAL-RIHAND	1	975	0	21.9	0.0	21.9	
14	400 kV	RAPP-SHUJALPUR	2	540	419	2.9	2.9	0.0	
15	220 kV	BHANPURA-RANPUR	1	0	0	0.0	0.0	0.0	
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	2.3	-2.3	
17	220 kV	MEHGAON-AURAIYA	1	47	1	0.5	0.0	0.5	
18	220 kV	MALANPUR-AURAIYA	1	30	10	0.1	0.0	0.1	
19	132 kV	GWALIOR-SAWAJI MADHOPUR	1	0	0	0.0	0.0	0.0	
20	132 kV	RAIGHAT-LALITPUR	2	0	0	0.0	0.0	0.0	
						WR-NR	74.3	194.7	-120.5
<b>Import/Export of WR (With SR)</b>									
1	HVDC	BHADRAWATI B/B	-	0	304	0.0	7.2	-7.2	
2	HVDC	RAIGARH-PUGLUR	2	0	2504	0.0	35.9	-35.9	
3	765 kV	SOLAPUR-RAICHUR	2	714	1346	5.0	5.9	-0.9	
4	765 kV	WARDHA-NIZAMABAD	2	0	1767	0.0	25.4	-25.4	
5	400 kV	KOLHAPUR-KUDGI	2	1297	0	24.4	0.0	24.4	
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	118	0.0	2.3	-2.3	
						WR-SR	31.7	74.4	-42.6
<b>INTERNATIONAL EXCHANGES</b>									
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)	239	-63	-28	-0.67			
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP 6*170MW)	460	118	232	5.56			
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	-114	3	-70	-1.69			
	NER	132kV GELEPHU-SALAKATI	-18	-3	-9	-0.21			
	NER	132kV MOTANGA-RANGIA	23	9	21	0.50			
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-75	0	-62	-1.50			
	ER	NEPAL IMPORT (FROM BIHAR)	-101	-26	-91	-2.19			
BANGLADESH	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-431	-257	-390	-9.36			
	ER	BHERAMARA B/B HVDC (B'DESH)	-928	-833	-911	-21.87			
	ER (Isolated from Indian Grid)	400kV GODDA_TPS-RAHANPUR (B'DESH) D/C	-781	-689	-749	-17.97			
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-182	0	-160	-3.84			