



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: 03-June-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, लापालंग, 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 02.06.2024.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 02-जून-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 02-June-2024, is available at the NLDC website.

धन्यवाद,
Thanks

Report for previous day

Date of Reporting: 03-Jun-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 20:00 hrs; from RLDCs)	72296	62670	42531	25898	2935	206330
Peak Shortage (MW)	51	160	0	0	0	211
Energy Met (MU)	1698	1564	1080	580	52	4975
Hydro Gen (MU)	316	54	45	28	31	473
Wind Gen (MU)	32	107	77	-	-	217
Solar Gen (MU)*	173.83	92.32	118.62	3.08	0.92	389
Energy Shortage (MU)	3.52	3.28	0.00	1.21	0.00	8.01
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	77749	70047	50108	27268	2944	225900
Time Of Maximum Demand Met	14:35	14:48	14:46	22:58	20:01	14:35

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	0.030	0.09	0.66	5.25	6.01	88.65	5.35

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	12382	0	251.2	133.6	1.0	389	0.00
	Haryana	10473	0	225.8	168.3	-1.4	489	0.00
	Rajasthan	15943	0	337.1	122.1	-3.8	217	2.89
	Delhi	7233	0	144.6	124.8	-1.4	231	0.00
	UP	27884	0	585.3	289.7	0.3	351	0.00
	Uttarakhand	2499	0	53.7	28.9	0.0	137	0.00
	HP	1587	0	34.5	3.0	-0.2	75	0.00
	J&K(UT) & Ladakh(UT)	2581	165	54.5	27.9	0.8	376	0.63
	Chandigarh	380	0	7.3	7.2	0.1	46	0.00
Railways NR ISTS	217	0	4.0	3.9	0.1	48	0.00	
WR	Chhattisgarh	5277	0	117.5	59.2	-1.3	122	0.00
	Gujarat	22978	0	470.7	168.2	-1.6	685	0.00
	MP	13071	0	292.4	169.5	-5.5	542	0.00
	Maharashtra	27243	0	612.4	217.9	-6.7	1048	0.82
	Goa	759	0	12.8	12.1	0.5	116	2.46
	DNHDDPDCL	1247	0	28.5	28.5	0.0	50	0.00
	AMNSIL	797	0	17.5	7.8	0.4	295	0.00
	BALCO	524	0	12.5	12.2	0.3	217	0.00
SR	Andhra Pradesh	10835	0	221.6	61.8	-2.1	598	0.00
	Telangana	10226	0	209.8	97.8	-0.1	701	0.00
	Karnataka	11122	0	219.8	70.6	-3.4	618	0.00
	Kerala	3789	0	77.7	54.5	0.3	281	0.00
	Tamil Nadu	15631	0	341.4	178.4	4.6	1870	0.00
	Puducherry	457	0	9.6	9.3	-0.3	26	0.00
ER	Bihar	6813	0	134.2	124.1	2.5	343	0.79
	DVC	3208	0	69.3	-38.9	-0.7	356	0.41
	Jharkhand	2090	414	42.5	29.0	1.3	434	0.00
	Odisha	6260	0	124.4	51.5	-0.3	431	0.00
	West Bengal	10964	0	208.7	66.8	-0.1	463	0.00
	Sikkim	62	0	1.0	1.4	-0.4	3	0.00
Railways ER ISTS	13	0	0.1	0.1	0.0	2	0.00	
NER	Arunachal Pradesh	124	0	2.8	2.4	0.1	21	0.00
	Assam	1894	0	30.2	23.6	-1.0	190	0.00
	Manipur	180	0	2.8	2.9	-0.1	24	0.00
	Meghalaya	256	0	4.7	-0.5	-0.2	34	0.00
	Mizoram	100	0	1.9	1.3	0.0	33	0.00
	Nagaland	144	0	2.5	2.5	0.0	19	0.00
Tripura	311	0	7.3	6.2	1.2	52	0.00	

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

	Bhutan	Nepal	Bangladesh	Godda -> Bangladesh
Actual (MU)	1.4	-0.5	-23.4	-31.4
Day Peak (MW)	168.3	200.5	-1033.0	-1472.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	367.1	-331.9	53.1	-76.9	-11.4	0.0
Actual(MU)	348.7	-318.2	48.9	-73.7	-10.9	-5.2
O/D/U/D(MU)	-18.4	13.7	-4.2	3.2	0.5	-5.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	4584	5234	4718	4376	301	19213	50
State Sector	6086	5896	5303	2104	99	19487	50
Total	10669	11130	10021	6480	400	38700	100

G. Sourcewise generation (Gross) (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	831	1656	705	707	15	3914	73
Lignite	17	18	63	0	0	98	2
Hydro	316	54	45	28	31	473	9
Nuclear	30	64	51	0	0	145	3
Gas, Naptha & Diesel	32	38	6	0	24	99	2
RES (Wind, Solar, Biomass & Others)	214	202	222	4	1	643	12
Total	1439	2032	1092	739	70	5372	100

Share of RES in total generation (%)	14.84	9.95	20.37	0.52	1.31	11.97
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	38.87	15.76	29.13	4.26	44.97	23.47

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.009
Based on State Max Demands	1.051

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

	Max Demand Met(MW)	Time	Shortage(MW)
Solar hr	225900	14:35	120
Non-Solar hr	219435	0:00	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: 03-Jun-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	-	3	0	0.0	0.0	0.0
3	765 kV	GAYA-VARANASI	2	570	855	0.0	5.2	-5.2
4	765 kV	SASARAM-FATEHPUR	1	8	506	0.0	6.9	-6.9
5	765 kV	GAYA-BALIA	1	0	685	0.0	11.2	-11.2
6	400 kV	PUSAULI-VARANASI	1	98	84	0.0	0.5	-0.5
7	400 kV	PUSAULI-ALLAHABAD	1	180	107	0.0	0.1	-0.1
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	840	0.0	10.7	-10.7
9	400 kV	PATNA-BALIA	2	0	1039	0.0	13.0	-13.0
10	400 kV	NAUBATPUR-BALIA	2	0	331	0.0	5.3	-5.3
11	400 kV	BIHARSHARIFF-BALIA	2	156	299	0.0	2.4	-2.4
12	400 kV	MOTIHARI-GORAKHPUR	2	0	620	0.0	9.7	-9.7
13	400 kV	BIHARSHARIFF-VARANASI	2	164	298	0.0	0.0	0.0
14	220 kV	SAHUPURI-KARAMNANA	1	18	64	0.0	0.8	-0.8
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.1	0.0	0.1
16	132 kV	GARWAH-RIHAND	1	30	0	0.6	0.0	0.6
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
ER-NR						0.7	65.9	-65.3
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	422	1025	0.0	0.3	-0.3
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1608	70	22.8	0.0	22.8
3	765 kV	JHARSUGUDA-DURG	2	0	701	0.0	9.5	-9.5
4	400 kV	JHARSUGUDA-RAIGARH	4	174	350	0.0	1.7	-1.7
5	400 kV	RANCHI-SIPAT	2	443	25	6.2	0.0	6.2
6	220 kV	BUDHIPADAR-RAIGARH	1	13	166	0.0	1.6	-1.6
7	220 kV	BUDHIPADAR-KORBA	2	50	131	0.0	0.7	-0.7
ER-WR						29.0	13.7	15.3
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	163	0.0	3.7	-3.7
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1691	0.0	41.0	-41.0
3	765 kV	ANGUL-SRIKAKULAM	2	0	1922	0.0	34.7	-34.7
4	400 kV	TALCHER-I/C	2	0	563	0.0	9.7	-9.7
5	220 kV	BALIMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0
ER-SR						0.0	79.3	-79.3
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	620	0	8.6	0.0	8.6
2	400 kV	ALIPURDUAR-BONGAIGAON	2	967	0	16.0	0.0	16.0
3	220 kV	ALIPURDUAR-SALAKATI	2	183	0	3.0	0.0	3.0
ER-NER						27.6	0.0	27.6
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	654	0	15.8	0.0	15.8
NER-NR						15.8	0.0	15.8
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KIRUKSHETRA	2	0	6048	0.0	88.3	-88.3
2	HVDC	VINDHYACHAL B/B	-	0	254	0.0	12.0	-12.0
3	HVDC	MUNDRA-MOHINDERGARH	2	0	1442	2.8	36.3	-33.5
4	765 kV	GWALIOR-AGRA	2	0	2710	0.0	41.3	-41.3
5	765 kV	GWALIOR-PHAGI	2	426	1557	1.2	20.8	-19.6
6	765 kV	JABALPUR-ORAI	2	0	1185	0.0	38.4	-38.4
7	765 kV	GWALIOR-ORAI	1	701	0	11.2	0.0	11.2
8	765 kV	SATNA-ORAI	1	0	1156	0.0	22.6	-22.6
9	765 kV	BANASKANTHA-CHITTOGARH	2	832	1156	5.3	6.6	-1.4
10	765 kV	VINDHYACHAL-VARANASI	2	0	3691	0.0	65.2	-65.2
11	400 kV	ZERDA-KANKROLI	1	196	208	1.4	1.1	0.2
12	400 kV	ZERDA-BHINMAL	1	196	207	1.4	1.1	0.2
13	400 kV	VINDHYACHAL-RIHAND	1	962	0	22.1	0.0	22.1
14	400 kV	RAPP-SHUJALPUR	2	304	521	1.3	4.8	-3.5
15	400 kV	NEEMUCH-Chittorgarh	2	397	483	1.8	4.3	-2.4
16	220 kV	BHANPURA-RANPUR	1	0	114	0.0	2.0	-2.0
17	220 kV	BHANPURA-MORAK	1	0	30	0.0	2.5	-2.5
18	220 kV	MEHGAON-AURAIYA	1	42	25	0.3	0.1	0.2
19	220 kV	MALANPUR-AURAIYA	1	23	39	0.1	0.3	-0.2
20	132 kV	GWALIOR-SAWAI MADHOPUR	1	0	0	0.0	0.0	0.0
21	132 kV	RAJGHAT-LALITPUR	2	0	0	0.0	0.0	0.0
WR-NR						48.7	347.6	-298.9
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	300	0	7.2	0.0	7.2
2	HVDC	RAIGARH-PUGALUR	2	0	1602	0.0	30.5	-30.5
3	765 kV	SOLAPUR-RAICHUR	2	1331	0	16.2	0.0	16.2
4	765 kV	WARDHA-NIZAMABAD	2	431	1144	0.3	13.7	-13.5
5	765 kV	WARORA-WARANGAL(NEW)	2	261	1442	0.1	19.1	-19.0
6	400 kV	KOLHAPUR-KUDGI	2	1645	0	31.1	0.0	31.1
7	220 kV	KOLHAPUR-CHIKODI	2	0	0	0.0	0.0	0.0
8	220 kV	PONDA-AMBEWADI	1	81	0	2.1	0.0	2.1
9	220 kV	XELDEM-AMBEWADI	1	1	129	2.4	0.0	2.4
WR-SR						59.3	63.4	-4.1

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)	213	128	158	3.80	
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI i.e. BINAGURI RECEIPT (from TALA HEP 6*170MW)	92	27	57	1.36	
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	-196	-132	-164	-3.94	
	NER	132kV GELEPHU-SALAKATI	-23	-2	-16	-0.39	
	NER	132kV MOTANGA-RANGIA	50	-13	25	0.59	
NEPAL	NR	NEPAL IMPORT (FROM UP)	-72	0	-4	-0.09	
	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-72	0	-38	-0.92	
	ER	NEPAL IMPORT (FROM BIHAR)	-139	0	-65	-1.55	
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	335	-279	87	2.09	
BANGLADESH	ER	BHERAMARA B/B HVDC (B'DESH)	-931	-780	-885	-21.25	
	ER (Isolated from Indian Grid)	400kV GODDA_TPS-RAHANPUR (B'DESH) D/C	-1472	-1200	-1307	-31.37	
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-102	0	-88	-2.12	

CROSS BORDER EXCHANGE SCHEDULE

Date of Reporting: 03-Jun-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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Nepal	0.37	0.00	0.46	0.00	0.00	0.00	1.68	0.00	0.00	2.51
Bangladesh	21.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.30
Myanmar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Export	21.67	0.00	0.46	0.00	0.00	0.00	1.68	0.00	0.00	23.81

Import by India(in MU)

Country	GNA (ISGA/PPA)	T-GNA							TOTAL	
		BILATERAL TOTAL	COLLECTIVE							
			IDAM			RTM				
			IEX	PXIL	HPX	IEX	PXIL	HPX		
Bhutan	0.41	0.00	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.54
Nepal	2.63	0.00	0.00	0.00	0.00	0.00	1.25	0.00	0.00	3.88
Bangladesh	0.00	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	0.00
Total Import	3.04	0.00	0.13	0.00	0.00	0.00	1.25	0.00	0.00	4.42

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	0.41	0.00	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.54
Nepal	2.26	0.00	-0.46	0.00	0.00	0.00	-0.43	0.00	0.00	1.37
Bangladesh	-21.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-21.30
Myanmar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Net	-18.63	0.00	-0.33	0.00	0.00	0.00	-0.43	0.00	0.00	-19.39