



**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: 10-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, 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 09.06.2024.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 09-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 09-June-2024, is available at the NLDC website.

धन्यवाद,  
Thanks

Report for previous day

Date of Reporting: 10-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)	71907	58982	40576	29340	3232	204037
Peak Shortage (MW)	0	0	0	0	0	0
Energy Met (MU)	1723	1464	924	674	62	4847
Hydro Gen (MU)	307	28	39	31	29	435
Wind Gen (MU)	15	120	175	-	-	310
Solar Gen (MU)*	171.92	89.67	106.70	4.17	0.85	373
Energy Shortage (MU)	1.43	0.00	0.00	0.60	0.00	2.03
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	77316	66803	41785	31226	3300	217242
Time Of Maximum Demand Met	00:00	15:05	21:45	23:25	19:40	00:00

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	0.035	0.00	0.02	7.04	7.06	80.20	12.74

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	11316	0	246.3	132.0	-0.2	483	0.00
	Haryana	10504	0	229.4	171.8	-1.2	174	0.00
	Rajasthan	16221	0	341.2	116.3	-0.1	733	1.43
	Delhi	6992	0	136.7	116.1	-0.3	232	0.00
	UP	28383	0	610.8	309.6	-0.7	398	0.00
	Uttarakhand	2604	0	54.5	33.1	0.4	174	0.00
	HP	1672	0	37.2	6.6	-0.3	72	0.00
	J&K(UT) & Ladakh(UT)	2660	0	55.9	27.7	1.9	435	0.00
	Chandigarh	328	0	6.6	6.7	-0.1	39	0.00
Railways NR ISTS	199	0	4.1	4.0	0.1	30	0.00	
WR	Chhattisgarh	5115	0	112.4	55.2	-2.1	350	0.00
	Gujarat	23820	0	482.5	175.8	-2.4	553	0.00
	MP	12418	0	275.8	165.3	-5.7	554	0.00
	Maharashtra	23901	0	520.5	184.7	-8.7	855	0.00
	Goa	607	0	12.6	11.4	1.0	42	0.00
	DNHDDPDCL	1304	0	29.9	29.5	0.4	117	0.00
	AMNSIL	805	0	18.0	8.6	0.2	277	0.00
	BALCO	523	0	12.5	12.3	0.2	180	0.00
SR	Andhra Pradesh	9043	0	193.0	35.8	-1.2	925	0.00
	Telangana	8019	0	177.9	71.2	-0.2	735	0.00
	Karnataka	7778	0	164.7	25.0	-3.9	427	0.00
	Kerala	3736	0	73.8	56.6	-0.5	187	0.00
	Tamil Nadu	14591	0	305.2	123.1	-7.3	1541	0.00
	Puducherry	437	0	9.6	9.1	-0.1	23	0.00
ER	Bihar	7273	0	160.3	145.0	3.5	354	0.60
	DVC	3600	0	75.6	-32.8	0.8	254	0.00
	Jharkhand	2265	0	49.6	35.5	1.6	284	0.00
	Odisha	6705	0	139.7	59.9	-0.4	555	0.00
	West Bengal	12210	0	247.3	106.0	0.3	757	0.00
	Sikkim	66	0	1.0	1.2	-0.2	28	0.00
	Railways ER ISTS	15	0	0.2	0.2	0.0	8	0.00
NER	Arunachal Pradesh	172	0	3.0	2.6	0.3	55	0.00
	Assam	2169	0	41.2	32.8	0.1	72	0.00
	Manipur	202	0	2.7	3.0	-0.3	33	0.00
	Meghalaya	283	0	5.5	-0.6	-0.1	112	0.00
	Mizoram	96	0	1.7	1.3	-0.3	15	0.00
	Nagaland	171	0	2.8	2.9	-0.1	24	0.00
	Tripura	292	0	5.2	4.9	0.1	50	0.00

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

	Bhutan	Nepal	Bangladesh	Godda -> Bangladesh
Actual (MU)	2.2	-3.6	-23.7	-31.5
Day Peak (MW)	158.0	-348.6	-1039.0	-1478.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	381.5	-344.1	-40.7	1.7	1.6	0.0
Actual(MU)	374.3	-333.4	-73.0	24.9	0.1	-7.0
O/D/U/D(MU)	-7.2	10.8	-32.4	23.3	-1.5	-7.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	3440	6121	6498	3606	151	19815	51
State Sector	3681	7633	5653	2064	120	19150	49
Total	7121	13753	12151	5670	271	38965	100

G. Sourcewise generation (Gross) (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	872	1599	604	694	13	3781	72
Lignite	23	10	52	0	0	84	2
Hydro	307	28	39	31	29	435	8
Nuclear	30	60	51	0	0	141	3
Gas, Naptha & Diesel	27	34	6	0	24	91	2
RES (Wind, Solar, Biomass & Others)	194	211	302	39	1	747	14
Total	1453	1942	1054	764	67	5280	100

Share of RES in total generation (%)	13.36	10.88	28.68	5.07	1.28	14.15
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	36.55	15.41	37.24	9.17	44.63	25.05

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.014
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	213293	14:45	0
Non-Solar hr	217242	0:00	399

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: 10-Jun-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	-	3	0	0.0	0.0	0.0
3	765 kV	GAYA-VARANASI	2	789	445	4.2	0.0	4.2
4	765 kV	SASARAM-FATEHPUR	1	82	346	0.0	3.6	-3.6
5	765 kV	GAYA-BALIA	1	0	579	0.0	9.5	-9.5
6	400 kV	PUSAULI-VARANASI	1	131	40	0.9	0.0	0.9
7	400 kV	PUSAULI-ALLAHABAD	1	175	27	1.5	0.0	1.5
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	201	553	0.0	4.5	-4.5
9	400 kV	PATNA-BALIA	2	171	555	0.0	4.4	-4.4
10	400 kV	NAUBATPUR-BALIA	2	105	155	0.0	0.4	-0.4
11	400 kV	BIHARSHARIF-BALIA	2	403	20	4.5	0.0	4.5
12	400 kV	MOTIHARI-GORAKHPUR	2	38	401	0.0	4.6	-4.6
13	400 kV	BIHARSHARIF-VARANASI	2	0	0	0.0	0.0	0.0
14	220 kV	SAHUPURI-KARAMNANA	1	10	45	0.0	0.7	-0.7
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-CHANDAUJI	1	0	0	0.0	0.0	0.0
<b>ER-NR</b>						<b>11.8</b>	<b>27.6</b>	<b>-15.8</b>
<b>Import/Export of ER (With WR)</b>								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	0	1201	0.0	14.5	-14.5
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	2838	0	47.8	0.0	47.8
3	765 kV	JHARSUGUDA-DURG	2	290	347	0.0	0.6	-0.6
4	400 kV	JHARSUGUDA-RAIGARH	4	219	301	0.0	1.1	-1.1
5	400 kV	RANCHI-SIPAT	2	762	0	12.1	0.0	12.1
6	220 kV	BUDHIPADAR-RAIGARH	1	62	101	0.0	0.9	-0.9
7	220 kV	BUDHIPADAR-KORBA	2	113	61	0.3	0.0	0.3
<b>ER-WR</b>						<b>60.1</b>	<b>17.1</b>	<b>43.0</b>
<b>Import/Export of ER (With SR)</b>								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	419	0	6.3	0.0	6.3
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1693	0.0	40.9	-40.9
3	765 kV	ANGUL-SRIKAKULAM	2	0	1747	0.0	18.3	-18.3
4	400 kV	TALCHER-I/C	2	0	602	0.0	10.6	-10.6
5	220 kV	BALIMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0
<b>ER-SR</b>						<b>6.3</b>	<b>59.2</b>	<b>-52.9</b>
<b>Import/Export of ER (With NER)</b>								
1	400 kV	BINAGURI-BONGAIGAON	2	478	0	7.6	0.0	7.6
2	400 kV	ALIPURDUAR-BONGAIGAON	2	746	0	13.0	0.0	13.0
3	220 kV	ALIPURDUAR-SALAKATI	2	133	0	1.9	0.0	1.9
<b>ER-NER</b>						<b>22.5</b>	<b>0.0</b>	<b>22.5</b>
<b>Import/Export of NER (With NR)</b>								
1	HVDC	BISWANATH CHARIAL-AGRA	2	952	0	21.5	0.0	21.5
<b>NER-NR</b>						<b>21.5</b>	<b>0.0</b>	<b>21.5</b>
<b>Import/Export of WR (With NR)</b>								
1	HVDC	CHAMPA-KIRUKSHETRA	2	0	6052	0.0	110.5	-110.5
2	HVDC	VINDHYACHAL B/B	-	0	255	0.0	10.9	-10.9
3	HVDC	MUNDRA-MOHINDERGARH	2	0	1662	0.0	42.4	-42.4
4	765 kV	GWALIOR-AGRA	2	0	3023	0.0	55.3	-55.3
5	765 kV	GWALIOR-PHAGI	2	157	1601	0.2	17.9	-17.7
6	765 kV	JABALPUR-ORAI	2	0	1322	0.0	47.5	-47.5
7	765 kV	GWALIOR-ORAI	1	728	0	10.7	0.0	10.7
8	765 kV	SATNA-ORAI	1	0	1176	0.0	23.2	-23.2
9	765 kV	BANASKANTHA-CHITTOGARH	2	594	1360	1.8	12.5	-10.7
10	765 kV	VINDHYACHAL-VARANASI	2	0	4257	0.0	80.8	-80.8
11	400 kV	ZERDA-KANKROLI	1	159	224	0.7	1.7	-0.9
12	400 kV	ZERDA-BHINMAL	1	159	223	0.7	1.6	-0.9
13	400 kV	VINDHYACHAL-RIHAND	1	966	0	22.0	0.0	22.0
14	400 kV	RAPP-SHUALPUR	2	72	503	0.2	5.3	-5.2
15	400 kV	NEEMUCH-Chittorgarh	2	202	528	0.6	4.8	-4.1
16	220 kV	BHANPURA-RANPUR	1	0	144	0.0	2.7	-2.7
17	220 kV	BHANPURA-MORAK	1	0	30	0.0	2.7	-2.7
18	220 kV	MEHGAON-AURAIYA	1	39	41	0.2	0.2	0.0
19	220 kV	MALANPUR-AURAIYA	1	14	52	0.0	0.5	-0.5
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
<b>WR-NR</b>						<b>37.2</b>	<b>420.3</b>	<b>-383.1</b>
<b>Import/Export of WR (With SR)</b>								
1	HVDC	BHADRAWATI B/B	-	998	306	11.9	3.5	8.4
2	HVDC	RAIGARH-PUGALUR	2	292	1204	0.0	15.6	-15.6
3	765 kV	SOLAPUR-RAICHUR	2	3451	0	47.0	0.0	47.0
4	765 kV	WARDHA-NIZAMABAD	2	1391	1077	10.4	2.3	8.2
5	765 kV	WARORA-WARANGAL(NEW)	2	1397	1233	9.1	3.6	5.5
6	400 kV	KOLHAPUR-KUDGI	2	2287	0	37.0	0.0	37.0
7	220 kV	KOLHAPUR-CHIKODI	2	0	0	0.0	0.0	0.0
8	220 kV	PONDA-AMBEWADI	1	0	57	1.2	0.0	1.2
9	220 kV	XELDEM-AMBEWADI	1	0	96	1.8	0.0	1.8
<b>WR-SR</b>						<b>118.5</b>	<b>25.0</b>	<b>93.5</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)	362	54	212	5.09	
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI i.e. BINAGURI RECEIPT (from TALA HEP 6*170MW)	-119	31	-29	-0.69	
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	-159	-67	-116	-2.78	
	NER	132kV GELEPHU-SALAKATI	-22	0	-9	-0.22	
	NER	132kV MOTANGA-RANGIA	48	30	34	0.82	
NEPAL	NR	NEPAL IMPORT (FROM UP)	-74	0	-50	-1.21	
	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-74	0	-45	-1.07	
	ER	NEPAL IMPORT (FROM BIHAR)	-157	0	-76	-1.82	
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-192	0	22	0.53	
BANGLADESH	ER	BHERAMARA B/B HVDC (B'DESH)	-941	-796	-899	-21.57	
	ER (Isolated from Indian Grid)	400kV GODDA_TPS-RAHANPUR (B'DESH) D/C	-1478	-1118	-1310	-31.45	
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-98	0	-87	-2.09	

CROSS BORDER EXCHANGE SCHEDULE

Date of Reporting: 10-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
Nepal	0.18	0.00	0.62	0.00	0.00	2.22	0.00	0.00	3.02
Bangladesh	21.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.59
Myanmar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Export	21.77	0.00	0.62	0.00	0.00	2.22	0.00	0.00	24.61

Import by India(in MU)

Country	GNA (ISGA/PPA)	T-GNA							TOTAL
		BILATERAL TOTAL	COLLECTIVE						
			IDAM			RTM			
IEX	PXIL	HPX	IEX	PXIL	HPX				
Bhutan	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.70
Nepal	2.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.63
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	3.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.33

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	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.70
Nepal	2.45	0.00	-0.62	0.00	0.00	-2.22	0.00	0.00	-0.39
Bangladesh	-21.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-21.59
Myanmar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Net	-18.44	0.00	-0.62	0.00	0.00	-2.22	0.00	0.00	-21.28