



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: 26-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 25.06.2024.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 25-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 25-June-2024, is available at the NLDC website.

धन्यवाद,  
Thanks

Report for previous day

Date of Reporting: 26-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)	80850	63212	46601	28544	3405	222612
Peak Shortage (MW)	633	0	0	298	0	931
Energy Met (MU)	1887	1445	1124	662	69	5187
Hydro Gen (MU)	361	47	52	67	39	566
Wind Gen (MU)	16	70	256	-	-	343
Solar Gen (MU)*	151.58	73.79	110.39	2.98	0.87	340
Energy Shortage (MU)	7.41	0.69	0.00	3.09	0.00	11.19
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	85282	63435	52024	30928	3503	230598
Time Of Maximum Demand Met	14:18	14:58	10:52	00:00	19:33	14:54

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	0.00	0.17	5.64	5.81	82.24	11.95

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	15258	0	345.0	220.5	-0.7	202	0.00
	Haryana	13216	0	273.4	212.9	1.0	312	1.41
	Rajasthan	16304	0	337.9	117.0	2.1	651	4.07
	Delhi	7592	0	154.5	126.8	-0.2	326	0.00
	UP	28056	338	607.4	297.0	-0.7	586	1.31
	Uttarakhand	2610	0	57.6	28.4	0.0	159	0.57
	HP	1838	0	40.3	3.1	0.0	52	0.00
	J&K(UT) & Ladakh(UT)	2705	0	58.0	32.2	0.1	190	0.05
	Chandigarh	415	0	8.3	8.4	-0.1	76	0.00
Railways_NR ISTS	204	0	4.2	3.6	0.6	102	0.00	
WR	Chhattisgarh	5367	0	121.6	63.1	1.3	401	0.69
	Gujarat	20790	0	446.5	162.6	-4.5	569	0.00
	MP	11464	0	250.2	135.3	-3.5	590	0.00
	Maharashtra	24846	0	554.4	162.7	-3.6	640	0.00
	Goa	703	0	14.1	14.4	-0.4	64	0.00
	DNHDDPDCL	1353	0	31.0	30.8	0.2	133	0.00
	AMNSIL	673	0	14.7	4.1	0.7	290	0.00
	BALCO	523	0	12.5	12.6	-0.1	15	0.00
SR	Andhra Pradesh	10666	0	222.5	40.4	-2.2	641	0.00
	Telangana	10614	0	221.2	112.8	1.6	637	0.00
	Karnataka	12253	0	223.8	42.7	-1.2	607	0.00
	Kerala	3488	0	75.3	48.7	0.4	215	0.00
	Tamil Nadu	17342	0	370.8	155.6	-7.3	5030	0.00
	Puducherry	459	0	10.4	10.1	-0.3	45	0.00
	Bihar	7066	0	151.4	139.4	0.7	550	0.63
ER	DVC	3592	0	78.4	-43.5	0.9	389	0.00
	Jharkhand	2193	0	48.4	33.5	1.6	338	2.45
	Odisha	6261	0	131.0	48.0	-0.7	462	0.00
	West Bengal	12507	0	250.9	109.6	0.8	638	0.00
	Sikkim	98	0	1.7	1.6	0.2	48	0.00
	Railways_ER ISTS	13	0	0.1	0.2	0.0	6	0.00
NER	Arunachal Pradesh	141	0	2.5	2.9	-0.9	4	0.00
	Assam	2316	0	45.2	36.6	0.2	205	0.00
	Manipur	221	0	3.4	3.4	0.0	26	0.00
	Meghalaya	340	0	6.2	-0.1	-0.2	109	0.00
	Mizoram	124	0	2.0	1.1	-0.3	19	0.00
	Nagaland	162	0	3.0	2.6	-0.1	14	0.00
Tripura	345	0	6.6	5.7	0.4	72	0.00	

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

	Bhutan	Nepal	Bangladesh	Godda -> Bangladesh
Actual (MU)	34.5	8.9	-24.6	-9.0
Day Peak (MW)	1813.0	561.1	-1038.0	-380.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	482.2	-380.7	-33.1	-67.7	-0.7	0.0
Actual(MU)	468.8	-380.5	-33.8	-58.8	-3.8	-8.1
O/D/U/D(MU)	-13.4	0.2	-0.7	8.9	-3.2	-8.1

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	2990	7193	5188	4371	597	20338	55
State Sector	2996	5970	6328	1122	119	16534	45
Total	5985	13163	11516	5493	716	36872	100

G. Sourcewise generation (Gross) (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	874	1617	666	725	16	3897	70
Lignite	33	20	56	0	0	108	2
Hydro	361	47	52	67	39	566	10
Nuclear	29	59	51	0	0	140	3
Gas, Naptha & Diesel	59	72	6	0	22	159	3
RES (Wind, Solar, Biomass & Others)	176	145	395	4	1	721	13
Total	1531	1960	1226	795	78	5591	100

Share of RES in total generation (%)	11.49	7.39	32.25	0.48	1.14	12.89
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	36.94	12.81	40.68	8.86	51.39	25.51

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.019
Based on State Max Demands	1.058

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

	Max Demand Met(MW)	Time	Shortage(MW)
Solar hr	230598	14:54	288
Non-Solar hr	224384	22:08	3202

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: 26-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	-	0	95	0.0	2.4	-2.4
3	765 kV	GAYA-VARANASI	2	543	497	0.0	2.9	-2.9
4	765 kV	SASARAM-FATEHPUR	1	113	337	0.0	5.1	-5.1
5	765 kV	GAYA-BALIA	1	0	644	0.0	10.8	-10.8
6	400 kV	PUSAULI-VARANASI	1	0	103	0.0	1.0	-1.0
7	400 kV	PUSAULI-ALLAHABAD	1	11	81	0.0	1.3	-1.3
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	869	0.0	16.2	-16.2
9	400 kV	PATNA-BALIA	2	0	793	0.0	12.6	-12.6
10	400 kV	NAUBATPUR-BALIA	2	36	233	0.0	3.3	-3.3
11	400 kV	BIHARSHARIFF-BALIA	2	178	133	0.0	1.0	-1.0
12	400 kV	MOTIHARI-GORAKHPUR	2	0	570	0.0	10.5	-10.5
13	400 kV	BIHARSHARIFF-VARANASI	2	76	260	0.0	0.0	0.0
14	220 kV	SAHUPURI-KARAMNANA	1	16	48	0.0	1.0	-1.0
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.1	0.0	0.1
16	132 kV	GARWAH-RIHAND	1	30	0	0.7	0.0	0.7
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
<b>ER-NR</b>						<b>0.8</b>	<b>67.9</b>	<b>-67.2</b>
<b>Import/Export of ER (With WR)</b>								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	0	1552	0.0	20.6	-20.6
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	2334	0	41.1	0.0	41.1
3	765 kV	JHARSUGUDA-DURG	2	0	617	0.0	8.5	-8.5
4	400 kV	JHARSUGUDA-RAIGARH	4	432	0	4.7	0.0	4.7
5	400 kV	RANCHI-SIPAT	2	662	0	11.1	0.0	11.1
6	220 kV	BUDHIPADAR-RAIGARH	1	3	145	0.0	1.5	-1.5
7	220 kV	BUDHIPADAR-KORBA	2	46	126	0.0	0.8	-0.8
<b>ER-WR</b>						<b>56.8</b>	<b>31.3</b>	<b>25.6</b>
<b>Import/Export of ER (With SR)</b>								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	403	0	9.6	0.0	9.6
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1692	0.0	40.5	-40.5
3	765 kV	ANGUL-SRIKAKULAM	2	0	2033	0.0	33.6	-33.6
4	400 kV	TALCHER-I/C	2	0	771	0.0	11.7	-11.7
5	220 kV	BALIMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0
<b>ER-SR</b>						<b>9.6</b>	<b>74.0</b>	<b>-64.4</b>
<b>Import/Export of ER (With NER)</b>								
1	400 kV	BINAGURI-BONGAIGAON	2	503	0	8.9	0.0	8.9
2	400 kV	ALIPURDUAR-BONGAIGAON	2	621	0	10.3	0.0	10.3
3	220 kV	ALIPURDUAR-SALAKATI	2	118	0	1.7	0.0	1.7
<b>ER-NER</b>						<b>20.9</b>	<b>0.0</b>	<b>20.9</b>
<b>Import/Export of NER (With NR)</b>								
1	HVDC	BISWANATH CHARIALI-AGRA	2	707	0	16.0	0.0	16.0
<b>NER-NR</b>						<b>16.0</b>	<b>0.0</b>	<b>16.0</b>
<b>Import/Export of WR (With NR)</b>								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	6055	0.0	130.9	-130.9
2	HVDC	VINDHYACHAL B/B	-	499	303	5.6	0.8	4.8
3	HVDC	MUNDRA-MOHINDERGARH	2	0	2367	0.0	57.1	-57.1
4	765 kV	GWALIOR-AGRA	2	0	3209	0.0	61.1	-61.1
5	765 kV	GWALIOR-PHAGI	2	0	1837	0.0	30.3	-30.3
6	765 kV	JABALPUR-ORAI	2	0	1425	0.0	51.1	-51.1
7	765 kV	GWALIOR-ORAI	1	679	0	12.6	0.0	12.6
8	765 kV	SATNA-ORAI	1	0	1261	0.0	26.9	-26.9
9	765 kV	BANASKANTHA-CHITORGARH	2	1157	1255	6.0	8.7	-2.7
10	765 kV	VINDHYACHAL-VARANASI	2	0	4037	0.0	81.1	-81.1
11	400 kV	ZERDA-KANKROLI	1	215	218	1.3	1.4	-0.1
12	400 kV	ZERDA -BHINMAL	1	215	216	1.3	1.4	-0.1
13	400 kV	VINDHYACHAL -RIHAND	1	957	0	22.1	0.0	22.1
14	400 kV	RAPP-SHUJALPUR	2	29	587	0.0	8.4	-8.4
15	400 kV	NEEMUCH-Chittorgarh	2	12	621	0.0	8.2	-8.2
16	220 kV	BHANPURA-RANPUR	1	0	73	0.0	1.1	-1.1
17	220 kV	BHANPURA-MORAK	1	0	30	0.0	2.4	-2.4
18	220 kV	MEHGAON-AURAIYA	1	45	24	0.3	0.1	0.3
19	220 kV	MALANPUR-AURAIYA	1	26	38	0.1	0.2	-0.1
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>49.3</b>	<b>471.3</b>	<b>-422.0</b>
<b>Import/Export of WR (With SR)</b>								
1	HVDC	BHADRAWATI B/B	-	998	0	23.9	0.0	23.9
2	HVDC	RAIGARH-PUGALUR	2	0	1002	0.0	18.8	-18.8
3	765 kV	SOLAPUR-RAICHUR	2	2465	0	36.8	0.0	36.8
4	765 kV	WARDHA-NIZAMABAD	2	257	1276	0.1	9.8	-9.7
5	765 kV	WARORA-WARANGAL(NEW)	2	303	1339	0.3	9.2	-8.9
6	400 kV	KOLHAPUR-KUDGI	2	2172	0	40.4	0.0	40.4
7	220 kV	KOLHAPUR-CHIKODI	2	0	0	0.0	0.0	0.0
8	220 kV	PONDA-AMBEWADI	1	0	68	1.5	0.0	1.5
9	220 kV	XELDEM-AMBEWADI	1	0	121	2.1	0.0	2.1
<b>WR-SR</b>						<b>105.0</b>	<b>37.8</b>	<b>67.2</b>

INTERNATIONAL EXCHANGES				Import(+ve)/Export(-ve) Energy Exchange (MU)			
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)	770	581	663	15.92	
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP 6*170MW)	973	438	696	16.70	
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	111	-83	18	0.43	
	NER	132kV GELEPHU-SALAKATI	56	0	14	0.34	
	NER	132kV MOTANGA-RANGIA	60	0	45	1.07	
NEPAL	NR	NEPAL IMPORT (FROM UP)	-70	0	-42	-1.01	
	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-70	0	-37	-0.89	
	ER	NEPAL IMPORT (FROM BIHAR)	0	0	0	0.00	
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	558	365	449	10.78	
BANGLADESH	ER	BHERAMARA B/B HVDC (B'DESH)	-940	-870	-938	-22.51	
	ER (Isolated from Indian Grid)	400kV GODDA_TPS-RAHANPUR (B'DESH) D/C	-380	-360	-373	-8.95	
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-98	0	-88	-2.12	

CROSS BORDER EXCHANGE SCHEDULE

Date of Reporting: 26-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	0.00	0.00	0.00	0.00	0.00	0.56	0.00	0.00	0.56
Bangladesh	22.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.54
Myanmar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Export	22.54	0.00	0.00	0.00	0.00	0.56	0.00	0.00	23.10

Import by India(in MU)

Country	GNA (ISGA/PPA)	T-GNA							TOTAL
		BILATERAL TOTAL	COLLECTIVE						
			IDAM			RTM			
		IEX	PXIL	HPX	IEX	PXIL	HPX		
Bhutan	29.97	0.00	0.91	0.00	0.00	0.31	0.00	0.00	31.19
Nepal	2.63	0.00	7.28	0.00	0.00	0.63	0.00	0.00	10.54
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	32.60	0.00	8.19	0.00	0.00	0.94	0.00	0.00	41.73

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	29.97	0.00	0.91	0.00	0.00	0.31	0.00	0.00	31.19
Nepal	2.63	0.00	7.28	0.00	0.00	0.07	0.00	0.00	9.98
Bangladesh	-22.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-22.54
Myanmar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Net	10.06	0.00	8.19	0.00	0.00	0.38	0.00	0.00	18.63