



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: 08-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 07.06.2024.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 07-जून-2024 की अखिल भारतीय प्रणाली की दैनिक ग्रीड 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 07-June-2024, is available at the NLDC website.

धन्यवाद,
Thanks

Report for previous day

Date of Reporting: 08-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)	73657	64023	45395	28505	3397	214977
Peak Shortage (MW)	0	0	0	360	0	360
Energy Met (MU)	1716	1575	1016	658	65	5030
Hydro Gen (MU)	316	32	48	30	28	455
Wind Gen (MU)	24	110	58	-	-	192
Solar Gen (MU)*	165.69	94.04	91.32	4.00	1.02	356
Energy Shortage (MU)	0.62	0.00	0.00	2.44	0.00	3.06
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	81044	73405	46142	30448	3434	231951
Time Of Maximum Demand Met	14:53	14:56	19:29	22:54	19:30	14:46

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	0.024	0.00	0.30	1.79	2.09	81.95	15.96

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	11780	0	236.8	126.8	-2.2	269	0.00
	Haryana	11260	0	233.4	164.3	-0.1	1036	0.00
	Rajasthan	16771	0	339.3	115.2	0.3	658	0.00
	Delhi	7349	0	147.4	117.2	-2.0	265	0.00
	UP	27861	0	598.5	294.2	1.1	414	0.00
	Uttarakhand	2704	0	58.0	31.7	2.2	373	0.07
	HP	1804	0	38.9	6.5	0.0	52	0.00
	J&K(UT) & Ladakh(UT)	2534	0	51.7	25.3	-0.1	236	0.55
	Chandigarh	390	0	7.6	7.6	0.1	34	0.00
Railways NR ISTS	209	0	4.3	3.9	0.4	48	0.00	
WR	Chhattisgarh	5194	0	116.8	64.5	-0.3	313	0.00
	Gujarat	25502	0	514.2	148.0	-0.8	685	0.00
	MP	13398	0	287.8	163.1	-4.7	821	0.00
	Maharashtra	25978	0	579.7	200.2	-5.7	740	0.00
	Goa	719	0	15.2	13.9	1.1	42	0.00
	DNHDDPDCL	1329	0	30.6	30.7	-0.1	46	0.00
	AMNSIL	793	0	17.7	8.1	0.3	273	0.00
	BALCO	523	0	12.5	12.3	0.2	111	0.00
SR	Andhra Pradesh	9149	0	199.9	55.9	-0.6	664	0.00
	Telangana	9292	0	189.0	67.0	-0.5	437	0.00
	Karnataka	9399	0	195.4	58.4	-2.4	531	0.00
	Kerala	4148	0	84.3	57.0	0.1	620	0.00
	Tamil Nadu	16437	0	338.3	181.6	-5.8	595	0.00
	Puducherry	442	0	9.5	9.3	-0.4	28	0.00
ER	Bihar	6912	0	151.7	137.6	2.2	294	2.44
	DVC	3407	0	76.9	-44.4	0.0	504	0.00
	Jharkhand	2126	0	47.1	36.5	1.0	254	0.00
	Odisha	6728	0	135.6	54.5	-1.8	480	0.00
	West Bengal	11805	0	244.7	102.9	-1.3	205	0.00
	Sikkim	99	0	1.7	1.5	0.2	38	0.00
Railways ER ISTS	14	0	0.1	0.2	-0.1	1	0.00	
NER	Arunachal Pradesh	165	0	2.6	2.5	-0.1	43	0.00
	Assam	2308	0	44.2	36.4	0.6	130	0.00
	Manipur	200	0	3.1	3.3	-0.2	32	0.00
	Meghalaya	304	0	5.8	0.4	-0.1	53	0.00
	Mizoram	111	0	1.7	1.3	-0.2	51	0.00
	Nagaland	184	0	3.0	3.0	0.1	18	0.00
Tripura	275	0	5.0	5.0	-0.5	29	0.00	

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

	Bhutan	Nepal	Bangladesh	Godda -> Bangladesh
Actual (MU)	1.9	-4.1	-23.4	-28.4
Day Peak (MW)	207.0	-472.3	-1038.0	-1451.4

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	350.1	-338.2	27.3	-43.1	4.0	0.0
Actual(MU)	343.6	-372.3	45.9	-30.3	6.8	-6.3
O/D/U/D(MU)	-6.5	-34.1	18.6	12.8	2.9	-6.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	2667	3714	4478	2946	151	13955	45
State Sector	5271	6146	3868	1564	120	16968	55
Total	7938	9859	8346	4510	271	30923	100

G. Sourcewise generation (Gross) (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	848	1676	694	743	11	3972	73
Lignite	29	11	62	0	0	103	2
Hydro	316	32	48	30	28	455	8
Nuclear	30	60	51	0	0	141	3
Gas, Naptha & Diesel	53	110	10	0	24	198	4
RES (Wind, Solar, Biomass & Others)	197	207	172	6	1	583	11
Total	1473	2095	1038	779	65	5450	100
Share of RES in total generation (%)	13.39	9.87	16.56	0.72	1.59	10.69	
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	36.86	14.24	26.16	4.60	45.15	21.62	

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.010
Based on State Max Demands	1.032

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

	Max Demand Met(MW)	Time	Shortage(MW)
Solar hr	231951	14:46	0
Non-Solar hr	219727	22:26	1074

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: 08-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	-	2	0	0.0	0.0	0.0
3	765 kV	GAYA-VARANASI	2	657	408	0.3	0.0	0.3
4	765 kV	SASARAM-FATEHPUR	1	0	306	0.0	5.2	-5.2
5	765 kV	GAYA-BALIA	1	0	676	0.0	11.8	-11.8
6	400 kV	PUSAULI-VARANASI	1	21	69	0.0	0.6	-0.6
7	400 kV	PUSAULI-ALLAHABAD	1	107	48	0.5	0.0	0.5
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	251	409	0.0	3.6	-3.6
9	400 kV	PATNA-BALIA	2	0	746	0.0	12.5	-12.5
10	400 kV	NAUBATPUR-BALIA	2	20	393	0.0	3.5	-3.5
11	400 kV	BIHARSHARIFF-BALIA	2	213	49	1.9	0.0	1.9
12	400 kV	MOTIHARI-GORAKHPUR	2	111	418	0.0	4.7	-4.7
13	400 kV	BIHARSHARIFF-VARANASI	2	335	189	0.0	1.3	-1.3
14	220 kV	SAHUPURI-KARAMNANA	1	0	60	0.0	0.9	-0.9
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.0	0.0	0.0
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-CHANDALI	1	0	0	0.0	0.0	0.0
ER-NR						3.3	44.1	-40.9
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	256	986	0.0	4.9	-4.9
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	2122	0	38.5	0.0	38.5
3	765 kV	JHARSUGUDA-DURG	2	24	568	0.0	4.2	-4.2
4	400 kV	JHARSUGUDA-RAIGARH	4	122	255	0.0	0.8	-0.8
5	400 kV	RANCHI-SIPAT	2	582	0	10.3	0.0	10.3
6	220 kV	BUDHIPADAR-RAIGARH	1	0	103	0.0	1.4	-1.4
7	220 kV	BUDHIPADAR-KORBA	2	95	54	0.2	0.0	0.2
ER-WR						49.0	11.2	37.8
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	150	0	3.3	0.0	3.3
2	HVDC	TALCHER-KOLAR BIPOLE	2	13	1693	0.0	34.5	-34.5
3	765 kV	ANGUL-SRIKAKULAM	2	0	2046	0.0	29.3	-29.3
4	400 kV	TALCHER-I/C	2	915	918	0.0	8.9	-8.9
5	220 kV	BALIMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0
ER-SR						3.3	63.8	-60.5
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	287	0	3.2	0.0	3.2
2	400 kV	ALIPURDUAR-BONGAIGAON	2	499	0	5.9	0.0	5.9
3	220 kV	ALIPURDUAR-SALAKATI	2	68	5	0.7	0.0	0.7
ER-NER						9.8	0.0	9.8
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIAL-AGRA	2	657	0	15.6	0.0	15.6
NER-NR						15.6	0.0	15.6
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KIRUKSHETRA	2	0	5786	0.0	104.8	-104.8
2	HVDC	VINDHYACHAL B/B	-	246	52	5.3	0.3	5.0
3	HVDC	MUNDRA-MOHINDERGARH	2	0	1662	0.0	31.3	-31.3
4	765 kV	GWALIOR-AGRA	2	0	2927	0.0	50.7	-50.7
5	765 kV	GWALIOR-PHAGI	2	505	1084	1.6	12.3	-10.7
6	765 kV	JABALPUR-ORAI	2	0	1209	0.0	42.1	-42.1
7	765 kV	GWALIOR-ORAI	1	583	0	9.0	0.0	9.0
8	765 kV	SATNA-ORAI	1	0	1142	0.0	23.5	-23.5
9	765 kV	BANASKANTHA-CHITTOGARH	2	477	1426	1.8	12.5	-10.7
10	765 kV	VINDHYACHAL-VARANASI	2	0	3792	0.0	75.5	-75.5
11	400 kV	ZERDA-KANKROLI	1	134	252	0.6	1.9	-1.3
12	400 kV	ZERDA-BHINMAL	1	134	252	0.6	1.9	-1.3
13	400 kV	VINDHYACHAL-RIHAND	1	959	0	21.6	0.0	21.6
14	400 kV	RAPP-SHUJALPUR	2	197	434	0.8	3.9	-3.1
15	400 kV	NEEMUCH-Chittorgarh	2	304	401	1.3	3.2	-1.9
16	220 kV	BHANPURA-RANPUR	1	0	140	0.0	2.4	-2.4
17	220 kV	BHANPURA-MORAK	1	0	30	0.0	2.7	-2.7
18	220 kV	MEHGAON-AURAIYA	1	47	45	0.2	0.2	0.1
19	220 kV	MALANPUR-AURAIYA	1	21	39	0.0	0.2	-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						42.7	369.1	-326.5
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	0	306	0.0	7.2	-7.2
2	HVDC	RAIGARH-PUGALUR	2	0	1501	0.0	37.7	-37.7
3	765 kV	SOLAPUR-RAICHUR	2	2181	677	19.3	1.1	18.3
4	765 kV	WARDHA-NIZAMABAD	2	721	1127	1.9	8.0	-6.0
5	765 kV	WARORA-WARANGAL(NEW)	2	528	1500	0.9	12.7	-11.9
6	400 kV	KOLHAPUR-KUDGI	2	1717	0	28.6	0.0	28.6
7	220 kV	KOLHAPUR-CHIKODI	2	0	0	0.0	0.0	0.0
8	220 kV	PONDA-AMBEWADI	1	0	60	0.0	1.4	-1.4
9	220 kV	XELDEM-AMBEWADI	1	0	123	2.2	0.0	2.2
WR-SR						52.9	68.0	-15.2

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)	217	133	180	4.31	
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI i.e. BINAGURI RECEIPT (from TALA HEP 6*170MW)	-100	32	-37	-0.89	
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	-165	-38	-98	-2.36	
	NER	132kV GELEPHU-SALAKATI	13	-12	-5	-0.11	
	NER	132kV MOTANGA-RANGIA	59	0	39	0.93	
NEPAL	NR	NEPAL IMPORT (FROM UP)	-70	0	-53	-1.28	
	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-70	0	-40	-0.95	
	ER	NEPAL IMPORT (FROM BIHAR)	-172	0	-75	-1.79	
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-300	126	-2	-0.04	
BANGLADESH	ER	BHERAMARA B/B HVDC (B'DESH)	-948	-800	-904	-21.69	
	ER (Isolated from Indian Grid)	400kV GODDA_TPS-RAHANPUR (B'DESH) D/C	-1451	-847	-1185	-28.43	
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-90	0	-71	-1.70	

CROSS BORDER EXCHANGE SCHEDULE

Date of Reporting: 08-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	0.22	0.00	0.58	0.00	0.00	2.72	0.00	0.00	3.52
Bangladesh	21.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.67
Myanmar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Export	21.89	0.00	0.58	0.00	0.00	2.72	0.00	0.00	25.19

Import by India(in MU)

Country	GNA (ISGA/PPA)	T-GNA							TOTAL
		BILATERAL TOTAL	COLLECTIVE						
			IDAM			RTM			
			IEX	PXIL	HPX	IEX	PXIL	HPX	
Bhutan	0.35	0.00	0.13	0.00	0.00	0.00	0.00	0.00	0.48
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	2.98	0.00	0.13	0.00	0.00	0.00	0.00	0.00	3.11

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	0.35	0.00	0.13	0.00	0.00	0.00	0.00	0.00	0.48
Nepal	2.41	0.00	-0.58	0.00	0.00	-2.72	0.00	0.00	-0.89
Bangladesh	-21.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-21.67
Myanmar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Net	-18.91	0.00	-0.45	0.00	0.00	-2.72	0.00	0.00	-22.08