



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: 27-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 26.06.2024.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 26-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 26-June-2024, is available at the NLDC website.

धन्यवाद,
Thanks

Report for previous day

Date of Reporting: 27-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)	77756	61357	45659	28479	3476	216727
Peak Shortage (MW)	323	0	0	436	0	759
Energy Met (MU)	1843	1443	1115	648	72	5121
Hydro Gen (MU)	363	47	53	64	41	568
Wind Gen (MU)	15	64	268	-	-	347
Solar Gen (MU)*	127.31	79.01	100.34	3.01	1.08	311
Energy Shortage (MU)	5.96	0.19	0.00	8.13	0.00	14.28
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	81084	62580	50965	30577	3480	224164
Time Of Maximum Demand Met	12:26	14:51	10:31	00:01	19:46	14:57

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	0.00	2.07	2.07	79.72	18.20

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	15714	0	357.2	217.4	1.8	323	0.00
	Haryana	12667	0	277.9	208.8	-0.6	283	1.92
	Rajasthan	16165	0	323.6	118.2	-3.9	878	1.90
	Delhi	7695	0	156.1	133.8	0.4	214	0.00
	UP	26408	263	560.3	276.2	-1.9	612	1.43
	Uttarakhand	2526	0	56.2	27.0	0.7	237	0.64
	HP	1919	0	41.2	4.3	-0.4	91	0.00
	J&K(UT) & Ladakh(UT)	2709	0	57.5	32.3	-0.6	247	0.07
	Chandigarh	428	0	8.6	8.2	0.4	77	0.00
Railways_NR ISTS	201	0	4.1	3.5	0.6	104	0.00	
WR	Chhattisgarh	5392	43	120.2	66.7	-1.2	323	0.19
	Gujarat	20306	0	438.6	158.6	-1.0	586	0.00
	MP	11357	0	250.6	129.9	-4.0	704	0.00
	Maharashtra	25012	0	559.8	161.7	-5.6	705	0.00
	Goa	699	0	14.2	14.1	-0.1	34	0.00
	DNHDDPDCL	1329	0	30.9	30.9	0.0	123	0.00
	AMNSIL	708	0	15.7	4.8	1.3	329	0.00
BALCO	525	0	12.5	12.6	-0.1	18	0.00	
SR	Andhra Pradesh	10384	0	219.1	37.4	-3.1	468	0.00
	Telangana	11244	0	229.1	128.2	0.3	526	0.00
	Karnataka	11350	0	220.9	38.8	-2.1	403	0.00
	Kerala	3622	0	74.0	47.7	0.3	193	0.00
	Tamil Nadu	16989	0	361.6	144.8	-8.8	731	0.00
	Puducherry	457	0	10.5	9.9	0.0	58	0.00
ER	Bihar	6800	0	138.2	129.8	-1.5	888	5.65
	DVC	3720	0	78.4	-44.9	-0.7	264	0.00
	Jharkhand	2319	0	47.9	33.8	1.5	386	2.48
	Odisha	5998	0	128.4	47.6	-0.9	453	0.00
	West Bengal	12235	0	253.9	104.0	-1.2	362	0.00
	Sikkim	85	0	1.5	1.4	0.1	31	0.00
Railways_ER ISTS	13	0	0.2	0.2	0.0	4	0.00	
NER	Arunachal Pradesh	161	0	2.8	2.9	-0.5	13	0.00
	Assam	2386	0	48.1	38.3	0.9	112	0.00
	Manipur	207	0	3.4	3.3	0.1	22	0.00
	Meghalaya	327	0	6.1	0.2	-0.1	31	0.00
	Mizoram	99	0	2.2	1.1	-0.1	24	0.00
	Nagaland	164	0	3.0	2.7	-0.1	28	0.00
Tripura	308	0	6.1	5.4	0.1	35	0.00	

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

	Bhutan	Nepal	Bangladesh	Godda -> Bangladesh
Actual (MU)	34.4	9.7	-24.5	-9.0
Day Peak (MW)	1691.7	692.1	-1038.0	-566.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	489.1	-365.5	-37.6	-85.3	-0.6	0.0
Actual(MU)	487.3	-377.1	-40.0	-77.2	-2.7	-9.7
O/D/U/D(MU)	-1.8	-11.6	-2.4	8.2	-2.0	-9.7

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	3212	8575	5188	4781	597	22353	55
State Sector	3906	6538	6168	1372	119	18102	45
Total	7118	15113	11356	6153	716	40455	100

G. Sourcewise generation (Gross) (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	847	1609	655	735	15	3860	70
Lignite	33	20	55	0	0	108	2
Hydro	363	47	53	64	41	568	10
Nuclear	29	59	52	0	0	140	3
Gas, Naptha & Diesel	48	66	6	0	23	143	3
RES (Wind, Solar, Biomass & Others)	150	144	400	4	1	699	13
Total	1470	1946	1221	802	80	5518	100

Share of RES in total generation (%)	10.19	7.40	32.77	0.49	1.38	12.66
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	36.86	12.89	41.37	8.42	52.63	25.50

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.020
Based on State Max Demands	1.073

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

	Max Demand Met(MW)	Time	Shortage(MW)
Solar hr	224164	14:57	0
Non-Solar hr	220410	22:37	696

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: 27-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	-	0	95	0.0	2.4	-2.4
3	765 kV	GAYA-VARANASI	2	310	869	0.0	8.0	-8.0
4	765 kV	SASARAM-FATEHPUR	1	0	454	0.0	7.1	-7.1
5	765 kV	GAYA-BALIA	1	0	654	0.0	10.0	-10.0
6	400 kV	PUSAULI-VARANASI	1	17	60	0.0	0.5	-0.5
7	400 kV	PUSAULI-ALLAHABAD	1	0	115	0.0	1.7	-1.7
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	943	0.0	18.0	-18.0
9	400 kV	PATNA-BALIA	2	0	756	0.0	12.8	-12.8
10	400 kV	NAUBATPUR-BALIA	2	0	225	0.0	3.5	-3.5
11	400 kV	BIHARSHARIFF-BALIA	2	80	233	0.0	2.8	-2.8
12	400 kV	MOTIHARI-GORAKHPUR	2	0	584	0.0	11.3	-11.3
13	400 kV	BIHARSHARIFF-VARANASI	2	50	278	0.0	4.2	-4.2
14	220 kV	SAHUPURI-KARAMNANA	1	46	63	0.0	0.3	-0.3
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-CHANDAULI	1	0	0	0.0	0.0	0.0
ER-NR						0.6	82.6	-82.0
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	0	1798	0.0	20.4	-20.4
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	2409	0	40.5	0.0	40.5
3	765 kV	JHARSUGUDA-DURG	2	0	462	0.0	7.1	-7.1
4	400 kV	JHARSUGUDA-RAIGARH	4	360	156	2.3	0.0	2.3
5	400 kV	RANCHI-SIPAT	2	625	0	9.8	0.0	9.8
6	220 kV	BUDHIPADAR-RAIGARH	1	0	180	0.0	2.0	-2.0
7	220 kV	BUDHIPADAR-KORBA	2	21	137	0.0	0.8	-0.8
ER-WR						52.6	30.3	22.3
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	602	0	11.3	0.0	11.3
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1696	0.0	40.9	-40.9
3	765 kV	ANGUL-SRIKAKULAM	2	0	2276	0.0	35.4	-35.4
4	400 kV	TALCHER-IC	2	0	686	0.0	11.4	-11.4
5	220 kV	BALIMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0
ER-SR						11.3	76.3	-65.0
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	474	0	7.4	0.0	7.4
2	400 kV	ALIPURDUAR-BONGAIGAON	2	291	0	8.2	0.0	8.2
3	220 kV	ALIPURDUAR-SALAKATI	2	42	0	1.4	0.0	1.4
ER-NER						17.0	0.0	17.0
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	511	0	12.3	0.0	12.3
NER-NR						12.3	0.0	12.3
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	6058	0.0	101.8	-101.8
2	HVDC	VINDHYACHAL B/B	-	0	510	0.0	6.3	-6.3
3	HVDC	MUNDRA-MOHINDERGARH	2	0	2357	0.0	53.2	-53.2
4	765 kV	GWALIOR-AGRA	2	0	3356	0.0	67.0	-67.0
5	765 kV	GWALIOR-PHAGI	2	0	2127	0.0	35.6	-35.6
6	765 kV	JABALPUR-ORAI	2	0	1459	0.0	59.1	-59.1
7	765 kV	GWALIOR-ORAI	1	778	0	13.8	0.0	13.8
8	765 kV	SATNA-ORAI	1	0	1303	0.0	28.1	-28.1
9	765 kV	BANASKANTHA-CHITORGARH	2	404	1146	0.0	5.1	-5.1
10	765 kV	VINDHYACHAL-VARANASI	2	0	4132	0.0	77.0	-77.0
11	400 kV	ZERDA-KANKROLI	1	117	215	0.5	1.4	-0.9
12	400 kV	ZERDA-BHINMAL	1	116	213	0.5	1.4	-0.9
13	400 kV	VINDHYACHAL-RIHAND	1	971	0	21.4	0.0	21.4
14	400 kV	RAPP-SHUJALPUR	2	0	656	0.0	10.3	-10.3
15	400 kV	NEEMUCH-Chittorgarh	2	0	690	0.0	10.2	-10.2
16	220 kV	BHANPURA-RANPUR	1	0	78	0.0	1.1	-1.1
17	220 kV	BHANPURA-MORAK	1	0	30	0.0	2.1	-2.1
18	220 kV	MEHGAON-AURAIYA	1	40	44	0.0	0.2	-0.2
19	220 kV	MALANPUR-AURAIYA	1	16	53	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
WR-NR						36.3	460.5	-424.2
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	998	0	23.9	0.0	23.9
2	HVDC	RAIGARH-PUGALUR	2	0	1202	0.0	16.4	-16.4
3	765 kV	SOLAPUR-RAICHUR	2	2399	0	38.6	0.0	38.6
4	765 kV	WARDHA-NIZAMABAD	2	320	1325	0.7	11.9	-11.2
5	765 kV	WARORA-WARANGAL(NEW)	2	429	1390	1.3	10.7	-9.5
6	400 kV	KOLHAPUR-KUDGI	2	2161	0	43.3	0.0	43.3
7	220 kV	KOLHAPUR-CHIKODI	2	0	0	0.0	0.0	0.0
8	220 kV	PONDA-AMBEWADI	1	0	67	0.0	1.5	-1.5
9	220 kV	XELDEM-AMBEWADI	1	0	119	2.2	0.0	2.2
WR-SR						109.9	40.5	69.4

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)	653	653	653	15.76	
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP 6*170MW)	867	597	703	16.86	
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	34	-15	17	0.41	
	NER	132kV GELEPHU-SALAKATI	31	7	17	0.40	
	NER	132kV MOTANGA-RANGIA	63	-17	39	0.94	
NEPAL	NR	NEPAL IMPORT (FROM UP)	-60	0	-16	-0.38	
	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-60	0	-24	-0.58	
	ER	NEPAL IMPORT (FROM BIHAR)	0	0	0	0.00	
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	656	263	443	10.62	
BANGLADESH	ER	BHERAMARA B/B HVDC (B'DESH)	-941	0	-939	-22.53	
	ER (Isolated from Indian Grid)	400kV GODDA_TPS-RAHANPUR (B'DESH) D/C	-566	-181	-373	-8.96	
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-97	0	-82	-1.96	

CROSS BORDER EXCHANGE SCHEDULE

Date of Reporting: 27-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	0.37	0.00	0.00	0.37
Bangladesh	22.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.46
Myanmar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Export	22.46	0.00	0.00	0.00	0.00	0.37	0.00	0.00	22.83

Import by India(in MU)

Country	GNA (ISGA/PPA)	T-GNA							TOTAL
		BILATERAL TOTAL	COLLECTIVE						
			IDAM			RTM			
		IEX	PXIL	HPX	IEX	PXIL	HPX		
Bhutan	30.63	0.00	0.76	0.00	0.00	0.39	0.00	0.00	31.78
Nepal	2.63	0.00	7.71	0.00	0.00	0.92	0.00	0.00	11.26
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	33.26	0.00	8.47	0.00	0.00	1.31	0.00	0.00	43.04

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	30.63	0.00	0.76	0.00	0.00	0.39	0.00	0.00	31.78
Nepal	2.63	0.00	7.71	0.00	0.00	0.56	0.00	0.00	10.90
Bangladesh	-22.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-22.46
Myanmar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Net	10.80	0.00	8.47	0.00	0.00	0.95	0.00	0.00	20.22