



National Load Despatch Centre
राष्ट्रीय भार प्रेषण केंद्र
POWER SYSTEM OPERATION CORPORATION LIMITED
पावर सिस्टम ऑपरेशन कारपोरेशन 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: 7th June 2021

To,

1. कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के.,14 , गोल्फ क्लब रोड , कोलकाता - 700033
Executive Director, ERLDC, 14 Golf Club Road, Tollygunge, Kolkata, 700033
2. 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
3. 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
4. कार्यकारी निदेशक, ऊ.पू.क्षे.भा.प्रे.के., डोंगतेह, लोअर नोंग्रह , लापलंग, शिलोंग – 793006
Executive Director, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
5. 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 06.06.2021.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 06-जून-2021 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रा०भा०प्रे०के० 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 06th June 2021, is available at the NLDC website.

धन्यवाद,

पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड
राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली



Report for previous day

Date of Reporting: 07-Jun-2021

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)	48771	44640	32992	20443	2333	149179
Peak Shortage (MW)	200	0	0	0	3	203
Energy Met (MU)	1132	1097	778	467	41	3516
Hydro Gen (MU)	244	45	54	97	27	467
Wind Gen (MU)	15	46	56	-	-	118
Solar Gen (MU)*	51.71	34.16	95.96	4.95	0.07	187
Energy Shortage (MU)	3.56	0.10	0.00	0.00	0.04	3.70
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	55572	46791	35671	22198	2484	160144
Time Of Maximum Demand Met (From NLDC SCADA)	22:40	00:04	22:09	23:03	19:16	22:37

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	0.023	0.00	0.50	2.07	2.57	81.22	16.21

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	7237	0	161.2	104.0	-0.5	182	0.00
	Haryana	7173	0	141.0	119.5	1.3	434	0.00
	Rajasthan	9990	0	217.6	83.6	3.9	613	0.00
	Delhi	4949	0	85.7	71.7	-0.5	151	0.00
	UP	20907	0	410.4	190.4	-7.7	488	0.11
	Uttarakhand	1772	0	37.8	15.5	0.9	242	0.00
	HP	1245	0	26.3	1.9	0.0	200	0.00
	J&K(UT) & Ladakh(UT)	2139	250	48.2	23.0	6.9	976	3.45
	Chandigarh	215	0	4.1	4.2	-0.1	30	0.00
	Chhattisgarh	3864	0	88.5	40.2	0.6	267	0.10
WR	Gujarat	15328	0	335.8	148.0	1.8	787	0.00
	MP	9105	0	203.7	128.4	-1.8	444	0.00
	Maharashtra	18091	0	418.1	155.3	-3.0	904	0.00
	Goa	499	0	10.5	8.1	1.8	36	0.00
	DD	277	0	6.1	6.0	0.1	19	0.00
	DNH	735	0	17.2	17.0	0.2	43	0.00
	AMNSIL	769	0	16.8	0.8	0.1	284	0.00
SR	Andhra Pradesh	8214	0	174.1	90.4	2.4	746	0.00
	Telangana	6347	0	141.8	56.6	1.3	717	0.00
	Karnataka	6916	0	142.9	49.7	-2.5	485	0.00
	Kerala	3137	0	60.9	36.4	0.2	288	0.00
	Tamil Nadu	12080	0	252.2	128.5	-4.3	255	0.00
	Puducherry	338	0	6.6	7.3	-0.7	19	0.00
ER	Bihar	6062	0	118.7	108.5	-2.5	182	0.00
	DVC	3335	0	68.1	-42.9	0.0	264	0.00
	Jharkhand	1621	0	28.9	26.3	-2.7	176	0.00
	Odisha	4718	0	100.3	38.6	-0.1	353	0.00
	West Bengal	8015	0	150.0	32.4	-1.0	318	0.00
NER	Sikkim	77	0	1.1	0.9	0.2	67	0.00
	Arunachal Pradesh	115	0	2.0	2.1	-0.2	36	0.01
	Assam	1424	0	24.9	18.5	-0.2	129	0.00
	Manipur	187	1	2.5	2.5	-0.1	28	0.01
	Meghalaya	288	0	5.2	1.9	-0.2	43	0.00
	Mizoram	94	0	1.6	1.7	-0.1	13	0.01
	Nagaland	119	2	2.2	2.4	-0.2	17	0.01
	Tripura	205	0	3.2	2.4	-0.5	55	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	27.0	-6.3	-24.8
Day Peak (MW)	1400.0	-439.0	-1040.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	278.6	-215.7	48.1	-98.1	-12.8	0.0
Actual(MU)	271.7	-252.4	82.2	-85.6	-16.0	-0.1
O/D/U/D(MU)	-6.8	-36.7	34.1	12.5	-3.2	-0.1

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	5567	18373	9082	750	772	34543	42
State Sector	14408	19198	10618	3637	11	47872	58
Total	19974	37571	19700	4387	783	82415	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	474	1119	399	492	11	2495	69
Lignite	22	9	46	0	0	77	2
Hydro	244	45	54	97	27	467	13
Nuclear	27	33	66	0	0	125	3
Gas, Naptha & Diesel	33	32	13	0	24	102	3
RES (Wind, Solar, Biomass & Others)	85	80	170	5	0	341	9
Total	884	1318	748	594	63	3607	100
Share of RES in total generation (%)	9.58	6.10	22.78	0.83	0.11	9.44	
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	40.19	11.96	38.80	17.17	43.82	25.86	

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.016
Based on State Max Demands	1.046

Diversity factor = Sum of regional or state maximum demands / All India maximum demand

*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)

Sl No	Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Date of Reporting: 07-Jun-2021		NET (MU)
						Import (MU)	Export (MU)	
Import/Export of ER (With NR)								
1	HVDC	ALIPURDUAR-AGRA	2	0	800	0.0	20.5	-20.5
2	HVDC	PUSAULI-BB	-	0	248	0.0	5.9	-5.9
3	765 kV	GAYA-VARANASI	2	0	735	0.0	8.9	-8.9
4	765 kV	SASARAM-FATEHPUR	1	117	171	0.0	0.9	-0.9
5	765 kV	GAYA-BALIA	1	0	585	0.0	9.8	-9.8
6	400 kV	PUSAULI-VARANASI	1	0	229	0.0	4.3	-4.3
7	400 kV	PUSAULI-ALLAHABAD	1	0	102	0.0	1.4	-1.4
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	731	0.0	10.7	-10.7
9	400 kV	PATNA-BALIA	4	0	1161	0.0	18.1	-18.1
10	400 kV	BIHARSHARIFE-BALIA	2	0	350	0.0	5.5	-5.5
11	400 kV	MOTIHARI-GORAKHPUR	2	0	445	0.0	7.3	-7.3
12	400 kV	BIHARSHARIFE-VARANASI	2	12	316	0.0	3.9	-3.9
13	220 kV	PUSAULI-SAHUPURI	1	8	129	0.0	1.3	-1.3
14	132 kV	SONE NAGAR-RIHAND	1	0	0	0.0	0.0	0.0
15	132 kV	GARWAH-RIHAND	1	20	0	0.7	0.0	0.7
16	132 kV	KARMANASA-SAHUPURI	1	0	0	0.0	0.0	0.0
17	132 kV	KARMANASA-CHANDAUJI	1	0	0	0.0	0.0	0.0
						ER-NR	98.4	-97.8
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	1231	0	18.3	0.0	18.3
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1761	0	24.4	0.0	24.4
3	765 kV	JHARSUGUDA-DURG	2	360	46	3.4	0.0	3.4
4	400 kV	JHARSUGUDA-RAIGARH	4	172	198	0.7	0.0	0.7
5	400 kV	RANCHI-SIPAT	2	487	0	7.2	0.0	7.2
6	220 kV	BUDHIPADAR-RAIGARH	1	8	113	0.0	1.7	-1.7
7	220 kV	BUDHIPADAR-KORBA	2	165	0	1.9	0.0	1.9
						ER-WR	55.8	1.7
							54.1	54.1
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	440	0.0	7.9	-7.9
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1784	0.0	35.5	-35.5
3	765 kV	ANGUL-SRIKAKULAM	2	0	2403	0.0	41.4	-41.4
4	400 kV	TALCHER-I/C	2	193	1017	0.0	2.4	-2.4
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
						ER-SR	84.8	-84.8
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	201	143	0.5	0.0	0.5
2	400 kV	ALIPURDUAR-BONGAIGAON	2	463	68	4.2	0.0	4.2
3	220 kV	ALIPURDUAR-SALAKATI	2	50	48	0.0	0.0	0.0
						ER-NER	4.6	4.6
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	702	0.0	12.3	-12.3
						NER-NR	0.0	-12.3
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	2013	0.0	29.3	-29.3
2	HVDC	VINDHYACHAL-B/B	-	0	0	0.0	0.0	0.0
3	HVDC	MUNDA-MOHINDERGARH	2	0	979	0.0	24.3	-24.3
4	765 kV	GWALIOR-AGRA	2	0	2662	0.0	51.9	-51.9
5	765 kV	PHAGI-GWALIOR	2	0	2067	0.0	39.8	-39.8
6	765 kV	JABALPUR-ORAI	2	0	1063	0.0	42.7	-42.7
7	765 kV	GWALIOR-ORAI	1	724	0	13.3	0.0	13.3
8	765 kV	SATNA-ORAI	1	0	1532	0.0	33.7	-33.7
9	765 kV	CHITORGARH-BANASKANTHA	2	1377	0	18.4	0.0	18.4
10	400 kV	ZERDA-KANKROLI	1	300	0	4.2	0.0	4.2
11	400 kV	ZERDA-BHINMAL	1	477	18	6.2	0.0	6.2
12	400 kV	VINDHYACHAL-RIHAND	1	965	0	22.4	0.0	22.4
13	400 kV	RAPP-SHILPUR	2	0	605	0.0	9.1	-9.1
14	220 kV	BHANPURA-RANPUR	1	0	100	0.0	1.6	-1.6
15	220 kV	BHANPURA-MORAK	1	0	30	0.0	1.2	-1.2
16	220 kV	MEHGAON-AURAIYA	1	90	4	0.2	0.1	0.1
17	220 kV	MALANPUR-AURAIYA	1	53	28	0.8	0.0	0.8
18	132 kV	GWALIOR-SAWAI MADHOPUR	1	0	0	0.0	0.0	0.0
19	132 kV	RAJGHAT-LALITPUR	2	0	0	0.0	0.0	0.0
						WR-NR	65.4	-168.3
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	422	508	5.9	4.0	1.9
2	HVDC	RAJGARH-PUGAUR	2	775	302	0.0	10.3	-10.3
3	765 kV	SOLAPUR-RAICHUR	2	2082	758	0.0	11.6	-11.6
4	765 kV	WARDHA-NIZAMABAD	2	0	1986	0.0	25.4	-25.4
5	400 kV	KOLHAPUR-KUDGI	2	1046	0	12.9	0.0	12.9
6	220 kV	KOLHAPUR-CHIKODI	2	0	0	0.0	0.0	0.0
7	220 kV	PONDA-AMBEWADI	1	0	0	0.0	0.0	0.0
8	220 kV	XELDEM-AMBEWADI	1	0	71	1.5	0.0	1.5
						WR-SR	20.3	-31.0
INTERNATIONAL EXCHANGES								
State	Region	Line Name	Max (MW)	Min (MW)	Avg (MW)	Import(+ve)/Export(-ve) Energy Exchange (MU)		
BHUTAN	ER	400KV MANGDECHHU-ALIPURDUAR 1&2 I.e. ALIPURDUAR RECEIPT (from MANGDECHHU HEP 4*180MW)	503	432	475	11.4		
	ER	400KV TALA-BINAGURI 1,2,4 (& 400KV MALBASE - BINAGURI) I.e. BINAGURI RECEIPT (from TALA HEP (6*170MW))	597	380	502	12.1		
	ER	220KV CHUKHA-BIRPARA 1&2 (& 220KV MALBASE - BIRPARA) I.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	254	101	118	2.8		
	NER	132KV-GEYLEGPHU - SALAKATI	9	0	-1	0.0		
	NER	132KV Motanga-Rangia	37	20	-30	-0.7		
NEPAL	NR	132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG)	-76	0	-65	-1.6		
	ER	400KV-MUZAFFARPUR - DHALKEBAR DC	289	85	-219	-5.3		
	ER	132KV-BIHAR - NEPAL	74	1	23	0.6		
BANGLADESH	ER	BHERAMARA HVDC(BANGLADESH)	0	-933	-933	-22.4		
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	-58	0	-50	-1.2		
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	-58	0	-50	-1.2		