



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: 12th 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 11.06.2021.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 11-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 11th 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: 12-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)	58412	47234	37638	20674	2849	166807
Peak Shortage (MW)	280	0	0	0	6	286
Energy Met (MU)	1296	1118	891	458	51	3814
Hydro Gen (MU)	338	49	65	97	25	575
Wind Gen (MU)	64	167	234	-	-	464
Solar Gen (MU)*	49.08	35.01	93.22	4.93	0.13	182
Energy Shortage (MU)	4.21	0.00	0.00	0.00	0.04	4.25
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	63951	47954	40819	21726	3032	169684
Time Of Maximum Demand Met (From NLDC SCADA)	22:24	15:32	09:44	00:04	19:13	22:23

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	0.05	2.34	2.38	81.47	16.14

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	11339	0	222.1	145.7	-4.9	217	0.00
	Haryana	9369	206	171.0	120.5	-0.4	355	0.76
	Rajasthan	12353	0	273.4	98.6	2.8	783	0.00
	Delhi	5819	0	114.2	99.7	-0.7	286	0.00
	UP	21096	0	391.3	172.3	-3.4	466	0.00
	Uttarakhand	1934	0	43.2	15.5	0.2	172	0.00
	HP	1428	0	31.3	-0.4	0.1	181	0.00
	J&K(UT) & Ladakh(UT)	2260	0	43.7	21.7	-2.3	398	3.45
WR	Chandigarh	327	0	6.2	6.8	-0.6	15	0.00
	Chhattisgarh	3367	0	78.6	30.7	-1.6	244	0.00
	Gujarat	17130	0	370.9	143.7	4.1	898	0.00
	MP	8745	0	192.7	101.8	-1.4	602	0.00
	Maharashtra	19187	0	420.2	139.8	-1.3	648	0.00
	Goa	569	0	11.9	9.5	2.1	43	0.00
	DD	312	0	7.0	6.8	0.2	19	0.00
	DNH	770	0	17.9	17.8	0.1	38	0.00
SR	AMNSIL	853	0	18.7	1.2	0.4	364	0.00
	Andhra Pradesh	8135	0	173.3	43.4	1.4	714	0.00
	Telangana	6614	0	137.7	51.3	-0.5	460	0.00
	Karnataka	9685	0	182.7	52.0	-0.6	748	0.00
	Kerala	3265	0	69.9	46.5	0.1	257	0.00
	Tamil Nadu	14172	0	319.6	134.6	-2.0	549	0.00
	Puducherry	398	0	8.3	8.4	-0.2	31	0.00
	ER	Bihar	5977	0	106.5	103.3	-3.8	396
DVC		3005	0	65.1	-36.4	-0.5	249	0.00
Jharkhand		1476	0	26.7	23.7	-2.1	187	0.00
Odisha		4740	0	103.7	41.2	-1.6	272	0.00
West Bengal		7836	0	154.3	40.9	0.4	437	0.00
Sikkim		77	0	1.2	0.8	0.4	65	0.00
NER	Arunachal Pradesh	134	1	2.2	2.2	-0.2	33	0.01
	Assam	1887	0	32.5	26.2	0.3	98	0.00
	Manipur	193	1	2.6	2.6	0.0	15	0.01
	Meghalaya	296	0	5.5	1.8	0.2	46	0.00
	Mizoram	105	1	1.5	1.7	-0.2	14	0.01
	Nagaland	138	1	2.4	2.5	-0.1	9	0.01
	Tripura	261	1	4.7	3.5	-0.3	21	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	31.1	-5.2	-24.8
Day Peak (MW)	1315.0	-427.5	-1052.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	295.5	-211.4	17.2	-97.8	-3.5	0.0
Actual(MU)	262.2	-208.4	30.1	-85.7	-3.3	-5.1
O/D/U/D(MU)	-33.3	3.0	12.9	12.1	0.2	-5.1

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	5406	20143	9742	0	772	36063	42
State Sector	10548	22050	12758	3477	11	48844	58
Total	15954	42193	22500	3477	783	84907	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	498	1006	333	470	11	2317	60
Lignite	21	10	43	0	0	74	2
Hydro	338	49	66	97	25	575	15
Nuclear	30	33	66	0	0	128	3
Gas, Naptha & Diesel	26	38	13	0	24	101	3
RES (Wind, Solar, Biomass & Others)	132	202	349	5	0	688	18
Total	1045	1338	869	572	60	3883	100

Share of RES in total generation (%)	12.65	15.08	40.18	0.86	0.22	17.72
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	47.86	21.19	55.28	17.88	41.76	35.82

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.046
Based on State Max Demands	1.092

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)

Date of Reporting: 12-Jun-2021

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	801	0.0	19.4	-19.4	
2	HVDC	PUSAULI B/B	-	0	248	0.0	5.9	-5.9	
3	765 kV	GAYA-VARANASI	2	41	929	0.0	6.1	-6.1	
4	765 kV	SASARAM-EATEHPUR	1	208	287	0.1	0.0	0.1	
5	765 kV	GAYA-BALIA	1	0	675	0.0	9.4	-9.4	
6	400 kV	PUSAULI-VARANASI	1	0	240	0.0	4.7	-4.7	
7	400 kV	PUSAULI-ALLAHABAD	1	0	111	0.0	1.2	-1.2	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	798	0.0	9.1	-9.1	
9	400 kV	PATNA-BALIA	4	0	1339	0.0	16.7	-16.7	
10	400 kV	BIHARSHARIFF-BALIA	2	0	470	0.0	5.6	-5.6	
11	400 kV	MOTIHARI-GORAKHPUR	2	0	484	0.0	5.3	-5.3	
12	400 kV	BIHARSHARIFF-VARANASI	2	70	355	0.0	2.2	-2.2	
13	220 kV	PUSAULI-SAHUPURI	1	39	115	0.0	0.9	-0.9	
14	132 kV	SONWAHRIHAND	1	0	45	0.0	0.0	0.0	
15	132 kV	GARWAHRIHAND	1	20	0	0.4	0.0	0.4	
16	132 kV	KARMANASA-SAHUPURI	1	0	0	0.0	0.0	0.0	
17	132 kV	KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0	
						ER-NR	0.5	86.3	-85.8
Import/Export of ER (With WR)									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	1324	383	13.2	0.0	13.2	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1531	0	19.6	0.0	19.6	
3	765 kV	JHARSUGUDA-DURG	2	274	152	2.0	0.0	2.0	
4	400 kV	JHARSUGUDA-RAIGARH	4	328	10	4.0	0.0	4.0	
5	400 kV	RANCHI-SIPAT	2	440	0	6.7	0.0	6.7	
6	220 kV	BUDHIPADAR-RAIGARH	1	4	117	0.0	1.5	-1.5	
7	220 kV	BUDHIPADAR-KORBA	2	158	0	2.2	0.0	2.2	
						ER-WR	47.7	1.5	46.1
Import/Export of ER (With SR)									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	401	481	0.0	0.0	0.0	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1635	0.0	34.0	-34.0	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2341	0.0	43.4	-43.4	
4	400 kV	TALCHER-I/C	2	761	628	0.6	0.0	0.6	
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0	
						ER-SR	0.0	77.5	-77.5
Import/Export of ER (With NER)									
1	400 kV	BINAGURI-BONGAIGAON	2	25	347	0.0	3.5	-3.5	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	145	378	0.0	3.0	-3.0	
3	220 kV	ALIPURDUAR-SALAKATI	2	2	118	0.0	1.4	-1.4	
						ER-NER	0.0	7.9	-7.9
Import/Export of NER (With NR)									
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	503	0.0	12.1	-12.1	
						NER-NR	0.0	12.1	-12.1
Import/Export of WR (With NR)									
1	HVDC	CHAMPA-KURUKSHETRA	2	0	3022	0.0	43.1	-43.1	
2	HVDC	VINDHYACHAL B/B	-	0	0	0.0	0.0	0.0	
3	HVDC	MUNDA-MOHINDERGARH	2	0	1451	0.0	22.8	-22.8	
4	765 kV	GWALIOR-AGRA	2	0	2764	0.0	47.7	-47.7	
5	765 kV	PHAGI-GWALIOR	2	0	2047	0.0	34.2	-34.2	
6	765 kV	JABALPUR-ORAI	2	932	1067	0.0	35.1	-35.1	
7	765 kV	GWALIOR-ORAI	1	734	0	12.3	0.0	12.3	
8	765 kV	SATNA-ORAI	1	0	1522	0.0	31.6	-31.6	
9	765 kV	CHITORGARH-BANASKANTHA	2	914	86	6.9	0.0	6.9	
10	400 kV	ZERDA-KANKROLI	1	252	0	3.7	0.0	3.7	
11	400 kV	ZERDA -BHINMAL	1	526	0	8.5	0.0	8.5	
12	400 kV	VINDHYACHAL -RIHAND	1	956	0	22.1	0.0	22.1	
13	400 kV	RAPP-SHUALPUR	2	0	613	0.0	8.1	-8.1	
14	220 kV	BHANPURA-RANPUR	1	0	108	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	93	30	0.2	0.3	-0.1	
17	220 kV	MALANPUR-AURAIYA	1	56	51	0.7	0.1	0.6	
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	54.4	225.7	-171.3
Import/Export of WR (With SR)									
1	HVDC	BHADRAWATI B/B	-	496	0	10.0	0.0	10.0	
2	HVDC	RAIGARH-PUGALUR	2	776	303	0.0	1.0	-1.0	
3	765 kV	SOLAPUR-RAICHUR	2	1922	643	8.9	0.0	8.9	
4	765 kV	WARDHA-NIZAMABAD	2	43	1813	0.0	24.7	-24.7	
5	400 kV	KOLHAPUR-KUDGI	2	1311	0	15.8	0.0	15.8	
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	NELDEM-AMBEWADI	1	0	77	1.5	0.0	1.5	
						WR-SR	36.2	25.7	10.5
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)	587	0	546	13.1			
	ER	400KV TALA-BINAGURI 1,2,3 (& 400KV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	607	457	538	12.9			
	ER	220KV CHUKHA-BIRPARA 1&2 & 220KV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	193	0	163	3.9			
	NER	132KV-GEYLEGPHU - SALAKATI	-22	-4	-11	-0.3			
	NER	132KV Motanga-Rangia	-50	-25	-40	-0.9			
NEPAL	NR	132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG)	-75	0	-51	-1.2			
	ER	400KV-MUZAFFARPUR - DHALKEBAR DC	-265	1	-154	-3.7			
	ER	132KV-BIHAR - NEPAL	-87	0	-14	-0.3			
BANGLADESH	ER	BHERAMARA HVDC(BANGLADESH)	-932	-926	-927	-22.3			
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	-60	0	-53	-1.3			
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	-60	0	-53	-1.3			