



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: 9th 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., डोंगतिह, 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 08.06.2021.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 08-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 08th 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: 09-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)	57008	47765	36978	20996	2736	165483
Peak Shortage (MW)	470	0	0	0	3	473
Energy Met (MU)	1327	1159	897	472	48	3904
Hydro Gen (MU)	299	51	61	92	31	534
Wind Gen (MU)	62	127	143	-	-	331
Solar Gen (MU)*	51.61	38.04	109.41	5.32	0.14	205
Energy Shortage (MU)	3.90	0.00	0.00	0.00	0.08	3.98
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	63317	50336	40432	21541	2894	172827
Time Of Maximum Demand Met (From NLDC SCADA)	22:18	15:48	12:49	21:27	19:07	22:18

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	0.031	0.00	0.02	4.70	4.72	77.19	18.09

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	8824	0	195.6	118.1	-0.5	212	0.00
	Haryana	9057	0	183.3	135.6	1.0	242	0.00
	Rajasthan	11518	0	255.2	87.4	1.7	359	0.00
	Delhi	5858	0	113.7	99.2	-0.8	233	0.00
	UP	23216	0	448.0	202.9	0.3	786	0.45
	Uttarakhand	2037	0	45.0	19.0	0.1	94	0.00
	HP	1472	0	31.6	2.1	0.2	239	0.00
	J&K(UT) & Ladakh(UT)	2307	250	49.0	24.0	0.4	225	3.45
	Chandigarh	316	0	6.1	6.0	0.1	46	0.00
	Chhattisgarh	3806	0	88.2	37.9	-1.2	149	0.00
WR	Gujarat	16714	0	359.5	134.0	2.0	440	0.00
	MP	9255	0	206.2	117.2	-3.0	526	0.00
	Maharashtra	19937	0	450.4	150.9	-2.8	583	0.00
	Goa	524	0	11.7	9.5	1.6	24	0.00
	DD	318	0	7.0	6.7	0.3	38	0.00
	DNH	767	0	17.2	17.8	-0.6	44	0.00
SR	AMNSIL	817	0	18.5	0.8	0.5	262	0.00
	Andhra Pradesh	8863	0	186.8	73.5	-0.6	429	0.00
	Telangana	7559	0	158.8	76.4	-0.9	545	0.00
	Karnataka	8706	0	173.9	48.0	-0.7	781	0.00
	Kerala	3333	0	70.6	47.4	-0.1	337	0.00
	Tamil Nadu	13202	0	299.4	138.5	0.5	636	0.00
	Puducherry	353	0	8.0	8.3	-0.3	52	0.00
ER	Bihar	6174	0	124.2	114.5	0.2	367	0.00
	DVC	3301	0	69.2	-43.0	0.5	251	0.00
	Jharkhand	1523	0	27.8	25.7	-2.6	207	0.00
	Odisha	4430	0	95.8	38.2	-0.2	241	0.00
	West Bengal	7919	0	154.1	30.8	-0.8	343	0.00
NER	Sikkim	83	0	1.3	0.4	0.9	81	0.00
	Arunachal Pradesh	120	0	2.1	2.2	-0.3	42	0.01
	Assam	1728	8	29.5	21.1	2.1	149	0.00
	Manipur	209	1	2.6	2.6	0.1	18	0.01
	Meghalaya	317	0	5.6	1.9	-0.1	37	0.00
	Mizoram	106	1	1.8	1.7	0.0	16	0.01
	Nagaland	131	1	2.4	2.4	0.0	10	0.01
	Tripura	246	0	4.2	3.2	-0.4	23	0.04

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	37.7	-7.5	-22.4
Day Peak (MW)	1650.0	-499.9	-1062.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	320.6	-240.2	50.9	-118.5	-12.8	0.0
Actual(MU)	319.9	-239.9	47.5	-117.9	-13.3	-3.7
O/D/U/D(MU)	-0.7	0.3	-3.5	0.6	-0.5	-3.7

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	5406	19383	9082	395	772	35038	43
State Sector	11418	19428	12338	3637	11	46832	57
Total	16824	38811	21420	4032	783	81870	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	517	1118	399	530	12	2576	64
Lignite	22	9	50	0	0	82	2
Hvdro	299	51	62	92	31	534	13
Nuclear	26	33	65	0	0	124	3
Gas, Naptha & Diesel	33	37	12	0	23	105	3
RES (Wind, Solar, Biomass & Others)	131	165	273	5	0	575	14
Total	1028	1413	861	628	66	3995	100
Share of RES in total generation (%)	12.75	11.66	31.73	0.85	0.21	14.38	
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	44.28	17.57	46.47	15.55	46.50	30.83	

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.033
Based on State Max Demands	1.071

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: 09-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	800	0.0	18.7	-18.7
2	HVDC	PUSAULI B/B	-	0	248	0.0	6.2	-6.2
3	765 kV	GAYA-VARANASI	2	0	799	0.0	14.1	-14.1
4	765 kV	SASARAM-FATEHPUR	1	84	213	0.0	2.0	-2.0
5	765 kV	GAYA-BALIA	1	0	617	0.0	6.4	-6.4
6	400 kV	PUSAULI-VARANASI	1	0	230	0.0	4.5	-4.5
7	400 kV	PUSAULI-ALLAHABAD	1	0	99	0.0	0.8	-0.8
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	728	0.0	9.9	-9.9
9	400 kV	PATNA-BALIA	4	0	1181	0.0	19.1	-19.1
10	400 kV	BIHARSHARIFF-BALIA	2	0	387	0.0	6.8	-6.8
11	400 kV	MOTIHARI-GORAKHPUR	2	0	409	0.0	6.6	-6.6
12	400 kV	BIHARSHARIFF-VARANASI	2	0	336	0.0	5.4	-5.4
13	220 kV	PUSAULI-SAHUPURI	1	0	139	0.0	1.8	-1.8
14	132 kV	SONE NAGAR-RIHAND	1	0	0	0.0	0.0	0.0
15	132 kV	GARWAH-RIHAND	1	20	0	0.6	0.0	0.6
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	102.4	-101.8
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	915	0	10.7	0.0	10.7
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	909	87	12.1	0.0	12.1
3	765 kV	JHARSUGUDA-DURG	2	124	191	0.0	0.1	-0.1
4	400 kV	JHARSUGUDA-RAIGARH	4	135	176	0.0	0.3	-0.3
5	400 kV	RANCHI-SIPAT	2	275	12	3.5	0.0	3.5
6	220 kV	BUDHIPADAR-RAIGARH	1	0	121	0.0	2.0	-2.0
7	220 kV	BUDHIPADAR-KORBA	2	97	0	1.5	0.0	1.5
						ER-WR	27.7	25.3
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	202	338	0.0	1.7	-1.7
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1638	0.0	37.2	-37.2
3	765 kV	ANGUL-SRIKAKULAM	2	0	2671	0.0	48.2	-48.2
4	400 kV	TALCHER-I/C	2	542	0	5.1	0.0	5.1
5	220 kV	BALMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
						ER-SR	87.1	-87.1
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	134	411	0.0	1.0	-1.0
2	400 kV	ALIPURDUAR-BONGAIGAON	2	302	509	0.3	0.0	0.3
3	220 kV	ALIPURDUAR-SALAKATI	2	21	127	0.0	0.8	-0.8
						ER-NER	0.3	1.8
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALL-AGRA	2	0	704	0.0	16.0	-16.0
						NER-NR	16.0	-16.0
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	3535	0.0	62.0	-62.0
2	HVDC	VINDHYACHAL B/B	-	0	0	0.0	0.0	0.0
3	HVDC	MUNDRAL-MOHINDERGARH	2	0	1545	0.0	32.1	-32.1
4	765 kV	GWALIOR-AGRA	2	0	2650	0.0	50.1	-50.1
5	765 kV	PHAGI-GWALIOR	2	0	1838	0.0	34.9	-34.9
6	765 kV	JABALPUR-ORAI	2	831	1049	0.0	38.0	-38.0
7	765 kV	GWALIOR-ORAI	1	676	0	12.3	0.0	12.3
8	765 kV	SATNA-ORAI	1	0	1571	0.0	32.3	-32.3
9	765 kV	CHITORGARH-BANASKANTHA	2	1112	214	11.1	0.0	11.1
10	400 kV	ZERDA-KANKROLI	1	259	0	4.1	0.0	4.1
11	400 kV	ZERDA-BHNMAL	1	573	0	9.5	0.0	9.5
12	400 kV	VINDHYACHAL-RIHAND	1	947	0	13.2	0.0	13.2
13	400 kV	RAPP-SHULALPUR	2	0	565	0.0	8.2	-8.2
14	220 kV	BHANPURA-RANPUR	1	0	113	0.0	2.1	-2.1
15	220 kV	BHANPURA-MORAK	1	0	30	0.0	1.7	-1.7
16	220 kV	MEHGAON-AURAIYA	1	98	0	0.2	0.1	0.1
17	220 kV	MALANPUR-AURAIYA	1	61	23	0.9	0.0	0.9
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	51.4	261.4
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	317	0	7.6	0.0	7.6
2	HVDC	RAIGARH-PUGALUR	2	0	799	0.0	8.6	-8.6
3	765 kV	SOLAPUR-RAICHUR	2	1760	1155	11.9	3.6	8.3
4	765 kV	WARDHA-NIZAMABAD	2	0	2053	0.0	28.9	-28.9
5	400 kV	KOLHAPUR-KUDGI	2	1161	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	XELDEM-AMBEWADI	1	0	75	1.5	0.0	1.5
						WR-SR	36.7	41.1
INTERNATIONAL EXCHANGES								
State	Region	Line Name	Max (MW)	Min (MW)	Avg (MW)	Energy Exchange (MU)		
BHUTAN	ER	400KV MANGDECHHU-ALIPURDUAR 1&2 i.e. ALIPURDUAR RECEIPT (from MANGDECHHU HEP 4*180MW)	587	0	560	13.5		
	ER	400KV TALA-BINAGURI 1,2,3 (& 400KV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW))	864	640	728	17.5		
	ER	220KV CHUKHA-BIRPARA 1&2 (& 220KV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	288	195	223	5.4		
	NER	132KV-GEYLEGPHU - SALAKATI	-37	-10	-22	-0.5		
	NER	132KV Motanga-Rangia	-52	-10	-36	-0.9		
NEPAL	NR	132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG)	-80	0	-61	-1.5		
	ER	400KV-MUZAFFARPUR - DHALKEBAR DC	-294	-55	-220	-5.3		
	ER	132KV-BIHAR - NEPAL	-126	0	-33	-0.8		
BANGLADESH	ER	BHERAMARA HVDC(BANGLADESH)	-934	-638	-818	-19.6		
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	-64	0	-58	-1.4		
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	-64	0	-58	-1.4		