



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: 8th 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 07.06.2021.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 07-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 07th 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: 08-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)	54341	47799	36699	20658	2422	161919
Peak Shortage (MW)	200	0	0	0	3	203
Energy Met (MU)	1261	1141	863	475	43	3783
Hydro Gen (MU)	270	52	62	106	31	521
Wind Gen (MU)	46	93	99	-	-	238
Solar Gen (MU)*	52.83	35.58	111.27	5.58	0.07	205
Energy Shortage (MU)	4.07	0.00	0.00	0.00	0.04	4.11
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	59739	49464	39376	21914	2663	168728
Time Of Maximum Demand Met (From NLDC SCADA)	22:46	15:21	14:53	00:00	18:49	22:33

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	0.08	3.00	3.08	81.90	15.02

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	8091	0	176.0	113.1	-0.6	148	0.00
	Haryana	8420	0	168.1	137.6	2.2	306	0.52
	Rajasthan	10905	0	243.8	81.4	2.4	690	0.00
	Delhi	5519	0	104.2	88.6	0.2	171	0.03
	UP	22413	0	442.2	197.6	2.1	513	0.00
	Uttarakhand	1946	0	42.1	19.3	1.4	189	0.00
	HP	1402	0	29.4	2.3	0.2	212	0.07
	J&K(UT) & Ladakh(UT)	2392	250	49.9	23.9	-0.1	472	3.45
	Chandigarh	270	0	5.2	5.2	0.0	17	0.00
	Chhattisgarh	3912	0	91.1	40.7	0.2	193	0.00
WR	Gujarat	16593	0	350.0	151.4	1.3	815	0.00
	MP	9378	0	208.4	126.2	-3.1	496	0.00
	Maharashtra	19411	0	438.3	155.3	-3.2	726	0.00
	Goa	557	0	11.9	9.7	1.6	67	0.00
	DD	308	0	6.6	6.3	0.3	67	0.00
	DNH	765	0	18.5	17.4	1.1	64	0.00
SR	AMNSIL	779	0	16.6	0.8	0.2	214	0.00
	Andhra Pradesh	8555	0	181.3	77.9	0.9	572	0.00
	Telangana	7513	0	155.7	57.2	0.3	385	0.00
	Karnataka	7906	0	160.5	40.1	-0.9	681	0.00
	Kerala	3493	0	68.7	44.3	0.0	319	0.00
	Tamil Nadu	13188	0	288.9	144.5	-1.0	599	0.00
ER	Puducherry	403	0	7.7	8.0	-0.2	44	0.00
	Bihar	6213	0	121.0	111.7	0.2	299	0.00
	DVC	3248	0	67.1	-44.4	-1.0	240	0.00
	Jharkhand	1587	0	29.2	26.6	-2.5	187	0.00
	Odisha	4690	0	101.0	42.9	-0.8	276	0.00
	West Bengal	8102	0	155.6	32.5	-0.4	448	0.00
NER	Sikkim	83	0	1.3	0.6	0.8	73	0.00
	Arunachal Pradesh	114	0	2.1	2.1	-0.2	14	0.01
	Assam	1499	0	24.6	17.1	0.1	84	0.00
	Manipur	201	1	2.7	2.6	0.1	24	0.01
	Meghalaya	319	0	5.2	1.7	-0.1	42	0.00
	Mizoram	107	1	1.6	1.7	-0.1	11	0.01
	Nagaland	131	1	2.4	2.4	0.0	12	0.01
	Tripura	262	0	4.3	3.2	-0.4	39	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	36.0	-7.7	-22.1
Day Peak (MW)	1688.0	-469.4	-1062.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	308.9	-213.0	39.1	-117.4	-17.6	0.0
Actual(MU)	313.4	-213.1	33.9	-119.5	-19.7	-5.0
O/D/U/D(MU)	4.5	0.0	-5.2	-2.1	-2.1	-5.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	5457	19173	9082	550	772	35033	43
State Sector	13508	18050	10848	3637	11	46054	57
Total	18964	37223	19930	4187	783	81087	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	506	1111	417	512	12	2559	66
Lignite	23	9	51	0	0	82	2
Hydro	270	52	62	106	31	521	13
Nuclear	26	33	66	0	0	125	3
Gas, Naptha & Diesel	30	36	13	0	25	104	3
RES (Wind, Solar, Biomass & Others)	117	128	229	6	0	481	12
Total	972	1368	839	624	68	3871	100
Share of RES in total generation (%)	12.06	9.39	27.35	0.89	0.10	12.42	
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	42.58	15.53	42.62	17.82	45.79	29.09	

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.026
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: 08-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	20.0	-20.0	
2	HVDC	PUSAULI B/B	-	0	248	0.0	6.0	-6.0	
3	765 kV	GAYA-VARANASI	2	0	850	0.0	14.1	-14.1	
4	765 kV	SASARAM-FATEHPUR	1	0	316	0.0	3.7	-3.7	
5	765 kV	GAYA-BALIA	1	0	611	0.0	11.0	-11.0	
6	400 kV	PUSAULI-VARANASI	1	0	192	0.0	3.9	-3.9	
7	400 kV	PUSAULI-ALLAHABAD	1	0	122	0.0	2.0	-2.0	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	748	0.0	13.9	-13.9	
9	400 kV	PATNA-BALIA	4	0	1051	0.0	19.1	-19.1	
10	400 kV	BIHARSHARIFF-BALIA	2	0	383	0.0	6.6	-6.6	
11	400 kV	MOTIHARI-GORAKHPUR	2	0	449	0.0	8.2	-8.2	
12	400 kV	BIHARSHARIFF-VARANASI	2	0	375	0.0	5.0	-5.0	
13	220 kV	PUSAULI-SAHUPURI	1	0	129	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	0.6	115.3	-114.7
Import/Export of ER (With WR)									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	1052	0	14.6	0.0	14.6	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1222	190	13.0	0.0	13.0	
3	765 kV	JHARSUGUDA-DURG	2	348	151	3.2	0.0	3.2	
4	400 kV	JHARSUGUDA-RAIGARH	4	71	234	0.0	2.0	-2.0	
5	400 kV	RANCHI-SIPAT	2	344	38	4.2	0.0	4.2	
6	220 kV	BUDHIPADAR-RAIGARH	1	0	126	0.0	1.9	-1.9	
7	220 kV	BUDHIPADAR-KORBA	2	121	0	1.6	0.0	1.6	
						ER-WR	36.6	3.9	32.7
Import/Export of ER (With SR)									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	338	0.0	5.8	-5.8	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1189	0.0	28.8	-28.8	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2596	0.0	42.6	-42.6	
4	400 kV	TALCHER-I/C	2	265	7	1.8	0.0	1.8	
5	220 kV	BALMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0	
						ER-SR	0.0	77.2	-77.2
Import/Export of ER (With NER)									
1	400 kV	BINAGURI-BONGAIGAON	2	178	230	0.7	0.0	0.7	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	414	229	3.8	0.0	3.8	
3	220 kV	ALIPURDUAR-SALAKATI	2	44	82	0.0	0.2	-0.2	
						ER-NER	4.5	0.2	4.3
Import/Export of NER (With NR)									
1	HVDC	BISWANATH CHARIALL-AGRA	2	0	708	0.0	16.9	-16.9	
						NER-NR	0.0	16.9	-16.9
Import/Export of WR (With NR)									
1	HVDC	CHAMPA-KURUKSHETRA	2	0	3528	0.0	51.9	-51.9	
2	HVDC	VINDHYACHAL B/B	-	0	0	0.0	0.0	0.0	
3	HVDC	MUNDRAL-MOHINDERGARH	2	0	1170	0.0	23.9	-23.9	
4	765 kV	GWALIOR-AGRA	2	0	2838	0.0	52.6	-52.6	
5	765 kV	PHAGI-GWALIOR	2	0	1901	0.0	38.9	-38.9	
6	765 kV	JABALPUR-ORAI	2	934	1084	0.0	41.2	-41.2	
7	765 kV	GWALIOR-ORAI	1	679	0	12.8	0.0	12.8	
8	765 kV	SATNA-ORAI	1	0	1570	0.0	34.2	-34.2	
9	765 kV	CHITORGARH-BANASKANTHA	2	1275	0	15.6	0.0	15.6	
10	400 kV	ZERDA-KANKROLI	1	273	0	4.4	0.0	4.4	
11	400 kV	ZERDA-BHNMAL	1	536	0	8.5	0.0	8.5	
12	400 kV	VINDHYACHAL-RIHAND	1	954	0	22.1	0.0	22.1	
13	400 kV	RAPP-SHULALPUR	2	0	581	0.0	9.2	-9.2	
14	220 kV	BHANPURA-RANPUR	1	0	115	1.9	0.0	1.9	
15	220 kV	BHANPURA-MORAK	1	0	30	1.5	0.0	1.5	
16	220 kV	MEHGAON-AURAIYA	1	108	8	0.3	0.1	0.2	
17	220 kV	MALANPUR-AURAIYA	1	71	30	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	68.0	251.9	-183.9
Import/Export of WR (With SR)									
1	HVDC	BHADRAWATI B/B	-	456	518	6.6	2.4	4.3	
2	HVDC	RAIGARH-PUGALUR	2	775	302	0.3	0.0	0.3	
3	765 kV	SOLAPUR-RAICHUR	2	2185	1381	15.7	4.0	11.8	
4	765 kV	WARDHA-NIZAMABAD	2	37	1985	0.0	23.3	-23.3	
5	400 kV	KOLHAPUR-KUDGI	2	1152	0	16.7	0.0	16.7	
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	1	75	1.0	0.0	1.0	
						WR-SR	40.3	29.6	10.7
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)	588	0	528	12.7			
	ER	400KV TALA-BINAGURI 1,2,3 (& 400KV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW))	903	401	718	17.2			
	ER	220KV CHUKHA-BIRPARA 1&2 (& 220KV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	268	111	203	4.9			
	NER	132KV-GEYLEGPHU - SALAKATI	-28	-4	-18	-0.4			
NEPAL	NR	132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG)	-78	0	-57	-1.4			
	ER	400KV-MUZAFFARPUR - DHALKEBAR DC	-301	-67	-218	-5.2			
	ER	132KV-BIHAR - NEPAL	-90	-1	-45	-1.1			
BANGLADESH	ER	BHERAMARA HVDC(BANGLADESH)	-938	-643	-809	-19.4			
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	-62	0	-56	-1.3			
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	-62	0	-56	-1.3			