



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: 5th 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 04.06.2021.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 04-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 04th 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: 05-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)	45295	45587	35178	22566	2664	151290
Peak Shortage (MW)	370	0	0	0	3	373
Energy Met (MU)	1138	1143	847	498	50	3677
Hydro Gen (MU)	238	58	64	100	19	479
Wind Gen (MU)	6	55	44	-	-	104
Solar Gen (MU)*	51.42	33.78	84.53	5.15	0.22	175
Energy Shortage (MU)	7.06	0.00	0.00	0.00	0.04	7.10
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	51874	50041	40337	23359	2914	162702
Time Of Maximum Demand Met (From NLDC SCADA)	11:59	15:02	12:19	23:31	19:21	12:23

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	0.034	0.00	0.08	1.69	1.77	77.58	20.65

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	6393	0	144.4	99.7	-1.0	103	0.00
	Haryana	6715	0	145.8	125.7	-3.0	596	1.10
	Rajasthan	10430	0	230.8	92.8	4.5	670	0.00
	Delhi	4614	0	91.3	77.9	-1.6	417	0.00
	UP	19983	0	405.5	182.9	-1.3	1118	2.51
	Uttarakhand	1792	0	39.5	16.1	1.8	166	0.00
	HP	1401	0	28.8	4.5	1.2	279	0.00
	J&K(UT) & Ladakh(UT)	2337	250	48.0	22.3	0.9	265	3.45
	Chandigarh	232	0	4.4	4.3	0.1	38	0.00
	Chhattisgarh	3652	0	82.7	41.9	-1.0	229	0.00
WR	Gujarat	17110	0	357.7	137.0	1.2	639	0.00
	MP	9142	0	207.1	121.0	-1.4	759	0.00
	Maharashtra	19859	0	444.7	161.3	-0.4	606	0.00
	Goa	558	0	12.3	9.8	1.8	30	0.00
	DD	310	0	6.8	6.5	0.3	41	0.00
	DNH	727	0	16.1	16.0	0.1	59	0.00
	AMNSIL	735	0	15.6	0.8	0.3	255	0.00
	Andhra Pradesh	8441	0	174.9	99.0	1.7	925	0.00
	Telangana	7343	0	146.7	48.1	0.7	713	0.00
	Karnataka	8109	0	160.3	57.0	0.9	812	0.00
SR	Kerala	3198	0	68.4	42.3	0.7	286	0.00
	Tamil Nadu	13290	0	288.9	174.9	-0.8	1140	0.00
	Puducherry	385	0	8.0	8.1	-0.2	37	0.00
	All India	6101	0	120.9	113.0	0.2	368	0.00
	Bihar	3268	0	66.1	-49.8	-0.2	430	0.00
	DVC	1638	0	29.8	26.5	-0.9	223	0.00
	Jharkhand	4940	0	101.9	32.3	2.5	463	0.00
	Odisha	8432	0	178.2	46.4	2.1	569	0.00
	West Bengal	85	0	1.3	1.4	0.0	56	0.00
	Sikkim	119	1	1.7	2.2	-0.6	43	0.01
ER	Arunachal Pradesh	1695	0	31.8	24.5	0.8	145	0.00
	Assam	203	1	2.6	2.6	0.0	29	0.01
	Manipur	297	0	5.2	2.0	0.0	34	0.00
	Meghalaya	106	1	1.6	1.7	-0.2	11	0.01
	Mizoram	152	1	2.4	2.5	-0.1	17	0.01
	Nagaland	282	0	5.0	4.1	-0.2	43	0.00
	Tripura							

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	21.3	-7.3	-24.9
Day Peak (MW)	990.0	-469.2	-1076.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	308.1	-243.2	49.4	-111.6	-2.8	0.0
Actual(MU)	298.7	-236.9	54.4	-116.0	-4.3	-4.1
O/D/U(D)(MU)	-9.4	6.2	5.0	-4.4	-1.5	-4.1

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	5987	18323	7092	1450	738	33590	41
State Sector	13573	20041	11168	3437	11	48230	59
Total	19559	38364	18260	4887	750	81819	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	469	1159	472	546	16	2662	71
Lignite	21	10	53	0	0	84	2
Hydro	238	58	64	100	19	479	13
Nuclear	27	33	61	0	0	120	3
Gas, Naptha & Diesel	29	49	12	0	25	116	3
RES (Wind, Solar, Biomass & Others)	74	89	142	5	0	311	8
Total	859	1397	804	651	60	3771	100

Share of RES in total generation (%)	8.67	6.34	17.69	0.79	0.37	8.24
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	39.45	12.83	33.22	16.15	32.23	24.12

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.036
Based on State Max Demands	1.070

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: 05-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	18.8	-18.8	
2	HVDC	PUSAULI B/B	2	0	248	0.0	5.9	-5.9	
3	765 kV	GAYA-VARANASI	2	0	685	0.0	11.4	-11.4	
4	765 kV	SASARAM-FATEHPUR	1	104	235	0.0	2.3	-2.3	
5	765 kV	GAYA-BALIA	1	0	565	0.0	9.9	-9.9	
6	400 kV	PUSAULI-VARANASI	1	0	219	0.0	4.3	-4.3	
7	400 kV	PUSAULI-ALLAHABAD	1	0	106	0.0	1.6	-1.6	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	597	0.0	9.7	-9.7	
9	400 kV	PATNA-BALIA	4	0	1071	0.0	20.3	-20.3	
10	400 kV	BIHARSHARIFF-BALIA	2	0	307	0.0	4.9	-4.9	
11	400 kV	MOTIHARI-GORAKHPUR	2	0	403	0.0	6.7	-6.7	
12	400 kV	BIHARSHARIFF-VARANASI	2	0	273	0.0	4.0	-4.0	
13	220 kV	PUSAULI-SAHUPURI	1	2	104	0.0	1.5	-1.5	
14	132 kV	SONE NAGAR-RIHAND	1	0	0	0.0	0.0	0.0	
15	132 kV	GARWAH-RIHAND	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	0.4	101.5	-101.0
Import/Export of ER (With WR)									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	1332	142	8.5	0.0	8.5	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1324	0	21.2	0.0	21.2	
3	765 kV	JHARSUGUDA-DURG	2	338	205	1.4	0.0	1.4	
4	400 kV	JHARSUGUDA-RAIGARH	4	112	213	0.0	1.4	-1.4	
5	400 kV	RANCHI-SIPAT	2	348	0	5.3	0.0	5.3	
6	220 kV	BUDHIPADAR-RAIGARH	1	0	96	0.0	1.0	-1.0	
7	220 kV	BUDHIPADAR-KORBA	2	65	0	1.0	0.0	1.0	
						ER-WR	37.3	2.5	34.9
Import/Export of ER (With SR)									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	444	0.0	10.0	-10.0	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1636	0.0	36.9	-36.9	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2941	0.0	43.7	-43.7	
4	400 kV	TALCHER-I/C	2	757	0	7.2	0.0	7.2	
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0	
						ER-SR	90.5	-90.5	
Import/Export of ER (With NER)									
1	400 kV	BINAGURI-BONGAIGAON	2	59	391	0.0	4.2	-4.2	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	283	429	0.0	2.9	-2.9	
3	220 kV	ALIPURDUAR-SALAKATI	2	31	102	0.0	1.2	-1.2	
						ER-NER	0.0	8.3	-8.3
Import/Export of NER (With NR)									
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	504	0.0	13.1	-13.1	
						NER-NR	0.0	13.1	-13.1
Import/Export of WR (With NR)									
1	HVDC	CHAMPA-KURUKSHETRA	2	0	3018	0.0	54.1	-54.1	
2	HVDC	VINDHYACHAL B/B	2	42	5	1.0	0.0	1.0	
3	HVDC	MENDRA-MOHINDERGARH	2	0	1451	0.0	24.4	-24.4	
4	765 kV	GWALIOR-AGRA	2	0	2777	0.0	49.9	-49.9	
5	765 kV	PHAGI-GWALIOR	2	0	2029	0.0	38.7	-38.7	
6	765 kV	JABALPUR-ORAI	2	860	1085	0.0	39.4	-39.4	
7	765 kV	GWALIOR-ORAI	1	738	0	13.5	0.0	13.5	
8	765 kV	SATNA-ORAI	1	0	1509	0.0	33.1	-33.1	
9	765 kV	CHITORGARH-BANASKANTHA	2	1311	0	15.5	0.0	15.5	
10	400 kV	ZERDA-KANKROLI	1	249	0	3.2	0.0	3.2	
11	400 kV	ZERDA-BHINMAL	1	278	82	3.7	0.0	3.7	
12	400 kV	VINDHYACHAL-RIHAND	1	968	0	22.5	0.0	22.5	
13	400 kV	RAPP-SHULIAPUR	2	0	590	0.0	9.3	-9.3	
14	220 kV	BHANPURA-RANPUR	1	0	145	0.0	2.2	-2.2	
15	220 kV	BHANPURA-MORAK	1	0	30	0.0	1.7	-1.7	
16	220 kV	MEHGAON-AURAIYA	1	84	17	0.2	0.3	-0.2	
17	220 kV	MALANPUR-AURAIYA	1	46	42	0.5	0.0	0.5	
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	60.1	252.9	-192.8
Import/Export of WR (With SR)									
1	HVDC	BHADRAWATI B/B	-	0	515	0.0	11.6	-11.6	
2	HVDC	RAIGARH-PUGALUR	2	0	498	0.0	0.0	0.0	
3	765 kV	SOLAPUR-RAICHUR	2	1558	1791	13.8	5.3	8.5	
4	765 kV	WARDHA-NIZAMABAD	2	228	2048	0.1	16.7	-16.5	
5	400 kV	KOLHAPUR-KUDGI	2	784	107	8.9	0.0	8.8	
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	76	1.5	0.0	1.5	
						WR-SR	24.3	33.6	-9.3

INTERNATIONAL EXCHANGES					Import(+ve)/Export(-ve)		
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)	449	0	392	9.4	
	ER	400KV TALA-BINAGURI 1,2,3 (& 400KV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW))	456	0	353	8.5	
	ER	220KV CHUKHA-BIRPARA 1&2 (& 220KV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	138	0	108	2.6	
	NER	132KV-GEYLEGPHU - SALAKATI	-11	-1	-3	-0.1	
	NER	132KV Motanga-Rangia	-42	-28	-34	-0.8	
NEPAL	NR	132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG)	-79	0	-67	-1.6	
	ER	400KV-MUZAFFARPUR - DHALKEBAR DC	-278	-6	-168	-4.0	
BANGLADESH	ER	132KV-BIHAR - NEPAL	-112	-1	-68	-1.6	
	ER	BHERAMARA HVDC(BANGLADESH)	-917	-819	-911	-21.9	
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	-79	0	-64	-1.5	
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	-80	0	-64	-1.5	