



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: 10th May 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 09.05.2021.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 09-मई -2021 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रांभांप्रेके 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 09th May 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: 10-May-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)	42745	45730	38988	18556	2357	148376
Peak Shortage (MW)	430	0	0	0	5	435
Energy Met (MU)	1022	1199	960	408	45	3635
Hydro Gen (MU)	174	59	69	53	15	369
Wind Gen (MU)	11	69	21	-	-	101
Solar Gen (MU)*	48.64	34.54	101.68	4.91	0.32	190
Energy Shortage (MU)	3.45	0.00	0.00	0.00	0.04	3.49
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	48929	52318	43566	20054	2560	161950
Time Of Maximum Demand Met (From NLDC SCADA)	00:00	15:05	11:38	00:05	18:54	00:00

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	0.00	1.22	1.22	82.39	16.40

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	6191	0	136.0	83.0	-2.3	117	0.00
	Haryana	6646	0	132.3	100.1	0.0	261	0.00
	Rajasthan	11114	0	222.4	70.1	0.3	555	0.00
	Delhi	3860	0	75.6	60.8	-2.5	0	0.00
	UP	18174	410	351.0	142.1	-3.0	688	0.00
	Uttarakhand	1564	0	32.7	12.9	0.1	136	0.00
	HP	1246	0	25.1	6.4	-1.0	71	0.00
	J&K(UT) & Ladakh(UT)	2492	250	43.8	32.4	1.6	266	3.45
	Chandigarh	169	0	3.5	3.6	-0.1	15	0.00
	Chhattisgarh	3395	0	76.7	28.5	-3.4	191	0.00
WR	Gujarat	16931	0	363.7	121.5	-0.7	622	0.00
	MP	9845	0	213.4	126.9	-3.1	475	0.00
	Maharashtra	22158	0	496.1	145.6	-0.1	732	0.00
	Goa	461	0	10.1	9.7	-0.1	63	0.00
	DD	260	0	5.6	5.7	-0.1	11	0.00
	DNH	666	0	15.6	15.4	0.2	64	0.00
	AMNSIL	833	0	17.7	1.2	0.3	283	0.00
SR	Andhra Pradesh	9940	0	201.3	116.1	0.6	451	0.00
	Telangana	7690	0	164.1	46.1	0.4	385	0.00
	Karnataka	9795	0	198.9	62.5	-0.2	478	0.00
	Kerala	3641	0	71.0	48.9	0.2	263	0.00
	Tamil Nadu	13756	0	316.2	220.9	-0.7	364	0.00
	Puducherry	410	0	8.6	8.8	-0.2	31	0.00
ER	Bihar	4945	0	92.5	86.5	-1.2	577	0.00
	DVC	2896	0	59.3	-50.3	0.1	274	0.00
	Jharkhand	1268	0	23.8	21.7	-3.2	139	0.00
	Odisha	4267	0	90.4	22.5	-0.3	382	0.00
	West Bengal	7512	0	141.7	28.9	-1.4	356	0.00
NER	Sikkim	57	0	0.8	0.8	0.0	69	0.00
	Arunachal Pradesh	122	1	2.2	2.5	-0.4	14	0.01
	Assam	1520	0	27.5	23.0	0.3	154	0.00
	Manipur	186	1	2.4	2.5	-0.1	22	0.01
	Meghalaya	303	0	5.7	4.3	0.0	28	0.00
	Mizoram	98	1	1.4	1.6	-0.2	16	0.01
	Nagaland	128	1	2.2	2.3	-0.1	7	0.01
	Tripura	222	0	4.0	3.7	-0.2	46	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	11.6	-9.9	-23.7
Day Peak (MW)	635.0	-570.6	-1008.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	217.1	-223.3	138.1	-132.7	0.8	0.0
Actual(MU)	206.9	-216.7	144.9	-139.6	2.2	-2.4
O/D/U/D(MU)	-10.2	6.6	6.7	-7.0	1.5	-2.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	4837	18637	6532	318	913	31237	44
State Sector	11003	14572	9015	4665	11	39266	56
Total	15839	33209	15547	4983	925	70503	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	503	1196	497	531	11	2738	73
Lignite	20	12	48	0	0	80	2
Hvdro	174	59	69	53	15	369	10
Nuclear	31	18	60	0	0	109	3
Gas, Naptha & Diesel	27	52	14	0	23	116	3
RES (Wind, Solar, Biomass & Others)	84	103	144	5	0	336	9
Total	839	1440	831	588	49	3748	100
Share of RES in total generation (%)	9.96	7.18	17.34	0.84	0.65	8.98	
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	34.38	12.49	32.83	9.81	30.75	21.72	

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.034
Based on State Max Demands	1.079

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: 10-May-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	0	0.0	0.0	0.0
2	HVDC	PUSAULI B/B	-	0	249	0.0	6.2	-6.2
3	765 kV	GAYAVARANASI	2	0	797	0.0	13.8	-13.8
4	765 kV	SASARAM-FATEHPUR	1	0	388	0.0	5.3	-5.3
5	765 kV	GAYA-BALIA	1	0	479	0.0	7.6	-7.6
6	400 kV	PUSAULI-VARANASI	1	0	190	0.0	3.9	-3.9
7	400 kV	PUSAULI-ALLAHABAD	1	0	134	0.0	2.2	-2.2
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	727	0.0	10.9	-10.9
9	400 kV	PATNA-BALIA	4	0	983	0.0	16.7	-16.7
10	400 kV	BIHARSHARIFF-BALIA	2	0	316	0.0	4.3	-4.3
11	400 kV	MOTIHARI-GORAKHPUR	2	0	478	0.0	7.7	-7.7
12	400 kV	BIHARSHARIFF-VARANASI	2	0	354	0.0	5.5	-5.5
13	220 kV	PUSAULI-SAHUPURI	1	22	112	0.0	1.3	-1.3
14	132 kV	SONE NAGAR-RIHAND	1	0	0	0.0	0.0	0.0
15	132 kV	KARWAH-RIHAND	1	20	0	0.5	0.0	0.5
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	85.3	-84.8
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	636	489	0.9	0.0	0.9
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	469	618	1.2	0.0	1.2
3	765 kV	JHARSUGUDA-DURG	2	0	301	0.0	4.6	-4.6
4	400 kV	JHARSUGUDA-RAIGARH	4	132	269	0.0	3.0	-3.0
5	400 kV	RANCHI-SIPAT	2	0	96	0.0	0.2	-0.2
6	220 kV	BUDHIPADAR-RAIGARH	1	0	111	0.0	1.6	-1.6
7	220 kV	BUDHIPADAR-KORBA	2	142	0	1.6	0.0	1.6
						ER-WR	3.7	-5.7
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	402	0.0	8.9	-8.9
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1979	0.0	41.8	-41.8
3	765 kV	ANGUL-SRIKAKULAM	2	0	3036	0.0	55.5	-55.5
4	400 kV	TALCHER-I/C	2	372	181	2.1	0.0	2.1
5	220 kV	BALIMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0
						ER-SR	106.2	-106.2
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	321	38	3.0	0.0	3.0
2	400 kV	ALIPURDUAR-BONGAIGAON	2	459	76	3.9	0.0	3.9
3	220 kV	ALIPURDUAR-SALAKATI	2	73	25	0.4	0.0	0.4
						ER-NER	7.3	0.0
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	484	0	8.9	0.0	8.9
						NER-NR	8.9	8.9
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	2517	0.0	50.1	-50.1
2	HVDC	VINDHYACHAL B/B	-	199	104	1.6	1.8	-0.2
3	HVDC	MUNDRAMOHINDERGARH	2	0	1457	0.0	27.6	-27.6
4	765 kV	GWALIOR-AGRA	2	0	2135	0.0	34.1	-34.1
5	765 kV	PHAGI-GWALIOR	2	0	1941	0.0	31.5	-31.5
6	765 kV	JABALPUR-ORAI	2	478	790	0.0	23.1	-23.1
7	765 kV	GWALIOR-ORAI	1	809	0	13.1	0.0	13.1
8	765 kV	SATNA-ORAI	1	0	1372	0.0	28.0	-28.0
9	765 kV	CHITORGARH-BANASKANTHA	2	1123	0	15.7	0.0	15.7
10	400 kV	ZERDA-KANKROLI	1	235	0	4.0	0.0	4.0
11	400 kV	ZERDA-BHINMAL	1	333	0	5.1	0.0	5.1
12	400 kV	VINDHYACHAL-RIHAND	1	969	0	22.6	0.0	22.6
13	400 kV	RAPP-SHUALPUR	2	68	353	0.0	3.2	-3.2
14	220 kV	BHANPURA-RANPUR	1	0	83	0.0	1.3	-1.3
15	220 kV	BHANPURA-MORAK	1	0	30	0.0	1.0	-1.0
16	220 kV	MEHGAON-AURAIYA	1	109	0	0.3	0.0	0.3
17	220 kV	MALANPUR-AURAIYA	1	73	18	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	63.3	201.6
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	0	518	0.0	12.2	-12.2
2	HVDC	RAIGARH-PUGALUR	2	0	2006	0.0	35.3	-35.3
3	765 kV	SOLAPUR-RAICHUR	2	546	2224	0.0	14.0	-14.0
4	765 kV	WARDHA-NIZAMABAD	2	0	2166	0.0	28.6	-28.6
5	400 kV	KOLHAPUR-KUDGI	2	454	197	4.1	0.0	4.1
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	82	1.5	0.0	1.5
						WR-SR	90.1	-84.5

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)	283	0	236	5.7	
	ER	400KV TALA-BINAGURI 1,2,4 (& 400KV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW))	232	0	201	4.8	
	ER	220KV CHUKHA-BIRPARA 1&2 (& 220KV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	70	0	35	0.8	
	NER	132KV-GEYLEGPHU - SALAKATI	21	3	10	0.2	
	NER	132KV Motanga-Rangia	29	13	-23	-0.6	
NEPAL	NR	132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG)	-76	0	-65	-1.6	
	ER	400KV-MUZAFFARPUR - DHALKEBAR DC	-303	-163	-237	-5.7	
BANGLADESH	ER	132KV-BIHAR - NEPAL	-192	-16	-110	-2.6	
	ER	BHERAMARA HVDC(BANGLADESH)	-860	-855	-856	-20.6	
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	-74	0	-65	-1.6	
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	-74	0	-65	-1.6	