



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: 7th Apr 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 06.04.2021.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 06-अप्रैल-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 6th April 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: 07-Apr-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)	48933	55462	45878	23075	2625	175973
Peak Shortage (MW)	350	0	0	0	43	393
Energy Met (MU)	982	1372	1171	494	45	4064
Hydro Gen (MU)	111	65	86	34	6	302
Wind Gen (MU)	37	77	30	-	-	144
Solar Gen (MU)*	43.83	37.89	98.16	5.09	0.21	185
Energy Shortage (MU)	9.05	0.00	0.00	0.00	1.17	10.22
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	49262	60109	52947	23523	2842	180102
Time Of Maximum Demand Met (From NLDC SCADA)	19:15	15:44	14:51	21:01	19:42	19:30

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	0.057	0.00	3.09	8.10	11.19	69.86	18.94

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	5477	0	110.8	57.0	-3.1	138	1.20
	Haryana	6725	0	126.1	98.0	0.5	357	0.87
	Rajasthan	10409	0	211.3	16.2	-0.5	835	0.29
	Delhi	3861	0	80.7	65.3	-1.0	140	0.00
	UP	18848	0	331.0	121.8	-0.2	511	0.23
	Uttarakhand	1880	0	38.8	25.8	1.8	206	0.04
	HP	1568	0	29.6	21.3	0.5	179	0.02
	J&K(UT) & Ladakh(UT)	2469	250	50.0	39.2	0.6	350	6.40
	Chandigarh	185	0	3.5	3.5	0.0	25	0.00
WR	Chhattisgarh	4747	0	115.6	54.8	0.6	211	0.00
	Gujarat	18637	0	402.3	106.0	-0.2	1212	0.00
	MP	11224	0	238.0	107.5	-2.2	483	0.00
	Maharashtra	25241	0	557.2	172.0	1.7	882	0.00
	Goa	570	0	12.5	12.0	0.0	67	0.00
	DD	340	0	7.7	7.4	0.3	30	0.00
	DNH	836	0	19.5	19.5	0.0	33	0.00
	AMNSIL	858	0	19.5	1.6	0.4	283	0.00
	SR	Andhra Pradesh	10829	0	219.4	104.0	0.0	707
Telangana		12804	0	269.1	135.8	0.2	580	0.00
Karnataka		14010	0	280.5	96.2	3.7	918	0.00
Kerala		4155	0	84.4	57.3	0.7	201	0.00
Tamil Nadu		14336	0	310.2	187.2	-1.6	613	0.00
Puducherry		379	0	7.0	7.4	-0.3	67	0.00
Bihar		5527	0	102.7	92.4	-0.4	356	0.00
ER	DVC	3370	0	71.0	-47.7	1.8	379	0.00
	Jharkhand	1479	0	29.3	22.0	-1.5	93	0.00
	Odisha	5147	0	112.0	59.2	-1.1	351	0.00
	West Bengal	8666	0	178.4	46.7	-0.3	372	0.00
	Sikkim	79	0	1.1	1.7	-0.6	6	0.00
NER	Arunachal Pradesh	120	2	1.9	1.8	0.1	47	0.01
	Assam	1621	22	27.8	23.4	0.5	142	0.80
	Manipur	192	3	2.5	2.5	0.0	28	0.02
	Meghalaya	341	0	5.2	2.6	0.5	82	0.31
	Mizoram	103	1	1.7	1.5	0.1	27	0.01
	Nagaland	118	1	1.9	1.8	0.1	26	0.02
	Tripura	267	0	4.1	3.3	-0.6	45	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	2.8	-16.0	-22.8
Day Peak (MW)	216.0	-759.4	-1016.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	162.1	-313.6	202.7	-55.7	4.4	0.0
Actual(MU)	139.6	-300.6	200.1	-50.3	6.5	-4.6
O/D/U/D(MU)	-22.6	13.1	-2.6	5.4	2.1	-4.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	5167	15903	6982	1398	1247	30697	45
State Sector	15847	12092	5836	4953	11	38738	55
Total	21014	27994	12818	6351	1258	69435	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	561	1424	645	536	16	3182	76
Lignite	25	9	36	0	0	69	2
Hydro	111	65	86	34	6	302	7
Nuclear	26	28	47	0	0	101	2
Gas, Naptha & Diesel	33	57	13	0	22	125	3
RES (Wind, Solar, Biomass & Others)	101	115	159	5	0	380	9
Total	857	1699	985	576	44	4160	100

Share of RES in total generation (%)	11.80	6.79	16.12	0.89	0.47	9.15
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	27.78	12.27	29.58	6.80	14.99	18.83

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.048
Based on State Max Demands	1.096

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: 07-Apr-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	248	0.0	6.1	-6.1
3	765 kV	GAYA-VARANASI	2	153	302	0.0	3.5	-3.5
4	765 kV	SASARAM-EATEHPUR	2	79	130	0.0	0.7	-0.7
5	765 kV	GAYA-BALIA	1	0	342	0.0	5.6	-5.6
6	400 kV	PUSAULI-VARANASI	1	0	240	0.0	5.0	-5.0
7	400 kV	PUSAULI-ALLAHABAD	1	0	69	0.0	0.9	-0.9
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	350	295	0.0	0.7	-0.7
9	400 kV	PATNA-BALIA	4	0	771	0.0	14.5	-14.5
10	400 kV	BIHARSHARIFF-BALIA	2	99	161	0.0	1.7	-1.7
11	400 kV	MOTIHARI-GORAKHPUR	2	19	334	0.0	3.9	-3.9
12	400 kV	BIHARSHARIFF-VARANASI	2	119	107	0.0	0.4	-0.4
13	220 kV	PUSAULI-SAHUPURI	1	14	145	0.0	1.4	-1.4
14	132 kV	SONWARI-RIHAND	1	0	64	0.0	0.0	0.0
15	132 kV	GARWARI-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	44.4
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	1591	0	29.7	0.0	29.7
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1145	21	11.2	0.0	11.2
3	765 kV	JHARSUGUDA-DURG	2	349	66	2.3	0.0	2.3
4	400 kV	JHARSUGUDA-RAIGARH	4	193	188	1.2	0.0	1.2
5	400 kV	RANCHI-SIPAT	2	269	52	1.9	0.0	1.9
6	220 kV	BUDHIPADAR-RAIGARH	1	0	164	0.0	2.8	-2.8
7	220 kV	BUDHIPADAR-KORBA	2	164	0	2.7	0.0	2.7
						ER-WR	49.0	2.8
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	430	0.0	8.8	-8.8
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	2473	0.0	45.9	-45.9
3	765 kV	ANGUL-SRIKAKULAM	2	0	2749	0.0	54.0	-54.0
4	400 kV	TALCHER-I/C	2	273	662	0.0	1.0	-1.0
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
						ER-SR	0.0	108.7
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	228	131	1.5	0.0	1.5
2	400 kV	ALIPURDUAR-BONGAIGAON	2	395	162	3.3	0.0	3.3
3	220 kV	ALIPURDUAR-SALAKATI	2	68	31	0.6	0.0	0.6
						ER-NER	5.4	0.0
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALL-AGRA	2	471	0	11.6	0.0	11.6
						NER-NR	11.6	0.0
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	2509	0.0	48.3	-48.3
2	HVDC	VINDHYACHAL B/B	-	274	0	7.2	0.0	7.2
3	HVDC	MUNDA-MOHINDERGARH	2	0	1644	0.0	29.8	-29.8
4	765 kV	GWALIOR-AGRA	2	0	2278	0.0	40.5	-40.5
5	765 kV	PHAGI-GWALIOR	2	0	1087	0.0	16.7	-16.7
6	765 kV	JABALPUR-ORAI	2	628	712	0.0	22.7	-22.7
7	765 kV	GWALIOR-ORAI	1	594	0	10.8	0.0	10.8
8	765 kV	SATNA-ORAI	1	0	1340	0.0	28.3	-28.3
9	765 kV	CHITORGARH-BANASKANTHA	2	1158	0	15.1	0.0	15.1
10	400 kV	ZERDA-KANKROLI	1	382	0	5.4	0.0	5.4
11	400 kV	ZERDA -BHINMAL	1	779	0	9.8	0.0	9.8
12	400 kV	VINDHYACHAL -RIHAND	1	996	0	22.0	0.0	22.0
13	400 kV	RAPP-SHUALPUR	2	324	269	1.1	2.5	-1.5
14	220 kV	BHANPURA-RANPUR	1	11	77	0.0	0.7	-0.7
15	220 kV	BHANPURA-MORAK	1	0	30	0.2	0.3	-0.2
16	220 kV	MEHGAON-AURAIYA	1	117	0	0.6	0.0	0.6
17	220 kV	MALANPUR-AURAIYA	1	81	0	1.3	0.0	1.3
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	73.4	189.9
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	0	1019	0.0	13.8	-13.8
2	HVDC	RAIGARH-PUGALUR	2	0	3007	0.0	60.5	-60.5
3	765 kV	SOLAPUR-RAICHUR	2	539	2107	0.0	25.1	-25.1
4	765 kV	WARDHA-NIZAMABAD	2	0	2944	0.0	52.3	-52.3
5	400 kV	KOLHAPUR-KUDGI	2	942	0	12.7	0.0	12.7
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	NELDEM-AMBEWADI	1	0	93	1.9	0.0	1.9
						WR-SR	14.5	151.8
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)	101	0	63	1.5		
	ER	400KV TALA-BINAGURI 1,2,3 (& 400KV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	72	0	60	1.5		
	ER	220KV CHUKHA-BIRPARA 1&2 & 220KV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	25	0	-13	-0.3		
	NER	132KV-GEYLEGPHU - SALAKATI	5	0	1	0.0		
	NER	132KV Motanga-Rangia	13	1	-8	-0.2		
NEPAL	NR	132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG)	0	0	0	-1.5		
	ER	400KV-MUZAFFARPUR - DHALKEBAR DC	-373	-251	-317	-7.6		
	ER	132KV-BIHAR - NEPAL	-319	-249	-290	-7.0		
BANGLADESH	ER	BHERAMARA HVDC(BANGLADESH)	-861	-714	-834	-20.0		
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	77	0	-59	-1.4		
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	78	0	-59	-1.4		