



**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

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Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 3<sup>rd</sup> 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 02.06.2021.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 02-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 02<sup>nd</sup> 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: 03-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)	47367	46416	37535	21908	2709	155935
Peak Shortage (MW)	470	0	0	0	12	482
Energy Met (MU)	1069	1147	938	425	50	3629
Hydro Gen (MU)	241	53	75	106	22	497
Wind Gen (MU)	28	92	74	-	-	194
Solar Gen (MU)*	49.73	37.62	104.59	5.09	0.20	197
Energy Shortage (MU)	4.89	0.00	0.00	0.00	0.04	4.93
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	49750	51641	44051	22050	2888	160456
Time Of Maximum Demand Met (From NLDC SCADA)	21:39	14:50	12:40	22:16	19:36	22:12

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	0.030	0.00	0.01	4.85	4.86	79.66	15.48

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	6840	0	151.1	104.9	-1.5	69	0.00
	Haryana	6576	0	135.1	129.6	0.7	385	0.71
	Rajasthan	10126	0	210.3	64.8	-0.9	646	0.00
	Delhi	4081	0	81.8	71.0	-1.3	137	0.00
	UP	20077	0	371.6	151.6	0.4	521	0.73
	Uttarakhand	1676	0	37.1	16.5	1.5	197	0.00
	HP	1419	0	28.7	4.1	1.1	213	0.00
	J&K(UT) & Ladakh(UT)	2397	250	49.1	23.9	0.3	309	3.45
	Chandigarh	228	0	4.6	4.7	-0.2	45	0.00
WR	Chhattisgarh	3727	0	83.0	35.4	-0.9	275	0.00
	Gujarat	16502	0	354.5	135.7	2.3	1206	0.00
	MP	9418	0	206.1	114.7	-0.4	595	0.00
	Maharashtra	20736	0	453.5	179.6	0.4	742	0.00
	Goa	599	0	12.6	10.0	2.0	32	0.00
	DD	310	0	6.7	6.5	0.2	21	0.00
	DNH	739	0	16.9	16.8	0.1	73	0.00
	AMNSIL	628	0	13.7	1.2	0.3	232	0.00
	SR	Andhra Pradesh	9573	0	194.1	118.3	-0.2	801
Telangana		7297	0	153.6	53.8	1.0	589	0.00
Karnataka		11174	0	207.7	82.1	1.7	723	0.00
Kerala		3496	0	70.6	43.2	0.3	199	0.00
Tamil Nadu		13672	0	304.2	168.5	2.9	663	0.00
Puducherry		401	0	7.9	8.1	-0.2	29	0.00
ER	Bihar	5706	0	93.0	86.9	0.9	518	0.00
	DVC	3514	0	63.5	-44.1	-0.1	401	0.00
	Jharkhand	1551	0	24.5	21.5	-1.3	318	0.00
	Odisha	4451	0	92.0	31.4	-0.3	760	0.00
	West Bengal	8167	0	150.5	27.4	0.1	482	0.00
	Sikkim	83	0	1.3	1.5	-0.2	16	0.00
NER	Arumachal Pradesh	109	2	2.1	2.4	-0.4	36	0.01
	Assam	1720	0	31.1	23.1	0.6	99	0.00
	Manipur	188	1	2.5	2.7	-0.1	15	0.01
	Meghalaya	295	0	5.7	1.9	0.1	95	0.00
	Mizoram	106	1	1.6	1.8	-0.2	15	0.01
	Nagaland	131	1	2.5	2.5	0.0	18	0.01
	Tripura	265	10	4.5	3.3	0.0	30	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	29.8	-3.7	-22.6
Day Peak (MW)	1472.0	-375.9	-981.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	262.8	-211.6	116.6	-167.2	-0.7	0.0
Actual(MU)	258.9	-202.5	131.7	-189.9	-0.9	-2.7
OD/UD(MU)	-4.0	9.0	15.1	-22.7	-0.2	-2.7

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	7767	19947	8242	850	988	37794	42
State Sector	15353	21267	12258	3665	11	52554	58
Total	23120	41214	20500	4515	1000	90348	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	425	1090	427	534	8	2484	67
Lignite	22	9	51	0	0	83	2
Hydro	241	53	75	106	22	497	13
Nuclear	27	33	62	0	0	122	3
Gas, Naptha & Diesel	25	48	13	0	25	111	3
RES (Wind, Solar, Biomass & Others)	95	129	194	5	0	424	11
Total	835	1363	822	645	56	3720	100

Share of RES in total generation (%)	11.39	9.49	23.64	0.79	0.36	11.40
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	43.46	15.80	40.27	17.23	40.72	28.03

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.062
Based on State Max Demands	1.109

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: 03-Jun-2021

Sl No	Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)	
<b>Import/Export of ER (With NR)</b>									
1	HVDC	ALIPURDUAR-AGRA	2	0	800	0.0	19.5	-19.5	
2	HVDC	PUSAULI B/B	-	0	248	0.0	6.0	-6.0	
3	765 kV	GAYA-VARANASI	2	0	740	0.0	14.4	-14.4	
4	765 kV	SASARAM-FATEHPUR	1	0	435	0.0	6.6	-6.6	
5	765 kV	GAYA-BALLA	1	0	491	0.0	8.3	-8.3	
6	400 kV	PUSAULI-VARANASI	1	0	191	0.0	3.9	-3.9	
7	400 kV	PUSAULI-ALLAHABAD	1	0	117	0.0	1.9	-1.9	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	744	0.0	13.9	-13.9	
9	400 kV	PATNA-BALLA	4	0	1064	0.0	21.4	-21.4	
10	400 kV	BIHARSHARIF-BALLA	2	0	385	0.0	7.1	-7.1	
11	400 kV	MOTIHAR-GORAKHPUR	2	0	452	0.0	8.4	-8.4	
12	400 kV	BIHARSHARIFE-VARANASI	2	0	305	0.0	5.5	-5.5	
13	220 kV	PUSAULI-SAHUPURI	1	0	109	0.0	1.7	-1.7	
14	132 kV	SONE NAGAR-RIHAND	1	0	0	0.0	0.0	0.0	
15	132 kV	GARWAH-RIHAND	1	20	0	0.3	0.0	0.3	
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	0.3	118.4	-118.1
<b>Import/Export of ER (With WR)</b>									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	815	0	10.2	0.0	10.2	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	890	797	2.3	0.0	2.3	
3	765 kV	JHARSUGUDA-DURG	2	100	375	0.0	4.1	-4.1	
4	400 kV	JHARSUGUDA-RAIGARH	4	45	247	0.0	2.1	-2.1	
5	400 kV	RANCHI-SIPAT	2	219	240	0.4	0.0	0.4	
6	220 kV	BUDHIPADAR-RAIGARH	1	0	99	0.0	1.2	-1.2	
7	220 kV	BUDHIPADAR-KORBA	2	130	0	1.4	0.0	1.4	
						ER-WR	14.2	7.3	6.9
<b>Import/Export of ER (With SR)</b>									
1	HVDC	JEPPORE-GAZIWAKA B/B	2	0	500	0.0	9.7	-9.7	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	2471	0.0	47.9	-47.9	
3	765 kV	ANGUL-SRIKAKULAM	2	0	3053	0.0	58.6	-58.6	
4	400 kV	TALCHER-U/C	2	134	758	0.0	4.9	-4.9	
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0	
						ER-SR	0.0	116.1	-116.1
<b>Import/Export of ER (With NER)</b>									
1	400 kV	BINAGURI-BONGAIGAON	2	0	327	0.0	4.6	-4.6	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	16	372	0.0	4.2	-4.2	
3	220 kV	ALIPURDUAR-SALAKATI	2	0	99	0.0	1.5	-1.5	
						ER-NER	0.0	10.3	-10.3
<b>Import/Export of NER (With NR)</b>									
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	502	0.0	12.1	-12.1	
						NER-NR	0.0	12.1	-12.1
<b>Import/Export of WR (With NR)</b>									
1	HVDC	CHAMPA-KURUKSHETRA	2	0	2508	0.0	46.0	-46.0	
2	HVDC	VINDHYACHAL B/B	-	42	251	0.4	2.4	-1.9	
3	HVDC	MUNDRA-MOHINDERGARH	2	0	1451	0.0	24.4	-24.4	
4	765 kV	GWALIOR-AGRA	2	0	2232	0.0	33.8	-33.8	
5	765 kV	PHAGL-GWALIOR	2	0	1597	0.0	28.0	-28.0	
6	765 kV	JABALPUR-ORAI	2	0	865	0.0	27.7	-27.7	
7	765 kV	GWALIOR-ORAI	1	637	0	0.0	10.7	-10.7	
8	765 kV	SATNA-ORAI	1	0	1311	0.0	26.5	-26.5	
9	765 kV	CHITORGARH-BANASKANTHA	2	1345	177	13.4	0.0	13.4	
10	400 kV	ZERDA-KANKROLI	1	286	0	4.5	0.0	4.5	
11	400 kV	ZERDA-BHINMAL	1	443	0	7.5	0.0	7.5	
12	400 kV	VINDHYACHAL-RIHAND	1	972	0	22.5	0.0	22.5	
13	400 kV	RAPP-SHUJALPUR	2	81	353	0.0	2.9	-2.9	
14	220 kV	BHANPURA-RANPUR	1	0	121	0.0	2.1	-2.1	
15	220 kV	BHANPURA-MORAK	1	0	30	0.0	1.8	-1.8	
16	220 kV	MEHGAON-AURAIYA	1	124	0	0.7	0.0	0.6	
17	220 kV	MALANPUR-AURAIYA	1	88	18	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	50.2	206.2	-156.0
<b>Import/Export of WR (With SR)</b>									
1	HVDC	BHADRAWATI B/B	-	0	1016	0.0	19.9	-19.9	
2	HVDC	RAIGARH-PUGALUR	2	0	0	0.0	0.0	0.0	
3	765 kV	SOLAPUR-RAICHUR	2	200	1824	0.0	16.7	-16.7	
4	765 kV	WARDHA-NIZAMABAD	2	0	2084	0.0	31.9	-31.9	
5	400 kV	KOLHAPUR-KUDGI	2	524	124	0.0	5.6	-5.6	
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	93	1.7	0.0	1.7	
						WR-SR	1.7	74.1	-72.4

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)	513	0	451	10.8	
	ER	400KV TALA-BINAGURI 1,2,3 (& 400KV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP 6*170MW)	680	521	574	13.8	
	ER	220KV CHUKHA-BIRPARA 1&2 (& 220KV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	203	0	166	4.0	
	NER	132KV-GEYLEGPHU - SALAKATI	23	3	-12	-0.3	
	NER	132KV Motanga-Rangia	53	30	-38	-0.9	
NEPAL	NR	132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG)	-77	0	-53	-1.3	
	ER	400KV-MUZAFFARPUR - DHALKEBAR DC	-200	32	-77	-1.8	
	ER	132KV-BIHAR - NEPAL	-99	-1	-25	-0.6	
	ER	BHERAMARA HVDC(BANGLADESH)	-826	-794	-817	-19.6	

BANGLADESH	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	-78	0	-62	-1.5
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	-77	0	-62	-1.5