



**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: 6<sup>th</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 05.06.2021.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 05-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 05<sup>th</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: 06-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)	47203	47397	34148	21886	2293	152927
Peak Shortage (MW)	200	0	0	0	2	202
Energy Met (MU)	1124	1119	818	490	44	3594
Hydro Gen (MU)	250	39	55	98	25	468
Wind Gen (MU)	18	50	47	-	-	114
Solar Gen (MU)*	44.79	33.81	92.51	5.14	0.07	176
Energy Shortage (MU)	4.00	0.00	0.00	0.00	0.04	4.04
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	52616	48860	37303	23119	2451	158402
Time Of Maximum Demand Met (From NLDC SCADA)	23:06	14:57	12:26	00:01	18:53	22:59

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	0.036	0.00	1.37	3.70	5.07	72.93	22.00

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	7094	0	156.0	106.5	-0.7	136	0.00
	Haryana	7056	0	141.4	122.4	-0.6	195	0.00
	Rajasthan	10492	0	218.1	80.7	-0.8	410	0.55
	Delhi	4010	0	82.1	69.0	-1.8	239	0.00
	UP	20907	0	404.5	185.8	-3.1	302	0.00
	Uttarakhand	1860	0	40.1	17.4	0.8	114	0.00
	HP	1372	0	28.5	3.9	0.3	161	0.00
	J&K(UT) & Ladakh(UT)	2383	250	49.6	23.2	0.3	163	3.45
WR	Chandigarh	204	0	4.0	4.3	-0.3	11	0.00
	Chhattisgarh	3836	0	87.1	41.1	4.1	302	0.00
	Gujarat	16462	0	344.8	137.3	0.9	927	0.00
	MP	9211	0	202.5	126.7	-2.4	441	0.00
	Maharashtra	19247	0	431.5	167.1	-1.1	638	0.00
	Goa	531	0	11.7	9.4	1.7	59	0.00
	DD	305	0	6.9	6.6	0.3	29	0.00
	DNH	758	0	17.2	16.9	0.3	97	0.00
SR	AMNSIL	754	0	17.0	0.8	0.3	295	0.00
	Andhra Pradesh	8245	0	175.6	99.4	1.2	766	0.00
	Telangana	6730	0	146.7	58.9	0.6	535	0.00
	Karnataka	7650	0	151.5	50.9	-0.1	731	0.00
	Kerala	2976	0	63.2	41.7	0.4	341	0.00
	Tamil Nadu	12319	0	273.7	161.7	-2.0	575	0.00
	Puducherry	348	0	7.6	8.0	-0.4	23	0.00
	DVC	3284	0	67.8	-44.3	0.5	284	0.00
ER	Jharkhand	1647	0	29.0	26.4	-2.6	195	0.00
	Odisha	4840	0	101.6	39.2	1.1	474	0.00
	West Bengal	8443	0	170.1	38.6	-0.7	1075	0.00
	Sikkim	87	0	1.3	1.5	-0.1	23	0.00
	Arunachal Pradesh	106	1	1.8	2.1	-0.5	33	0.01
	Assam	1341	0	26.0	19.3	0.6	120	0.00
	Manipur	205	1	2.6	2.6	0.1	19	0.01
	Meghalaya	300	0	5.4	2.1	-0.3	25	0.00
NER	Mizoram	103	1	1.5	1.7	-0.3	11	0.01
	Nagaland	131	1	2.4	2.5	-0.1	6	0.01
	Tripura	232	0	3.9	3.3	-0.7	19	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	22.5	-5.9	-24.9
Day Peak (MW)	1195.0	-468.2	-1082.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	279.8	-227.9	56.3	-99.8	-8.5	0.0
Actual(MU)	265.8	-221.6	56.4	-95.5	-10.6	-5.5
O/D/U/D(MU)	-14.1	6.3	0.1	4.3	-2.1	-5.5

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	5567	18073	7482	950	772	32843	41
State Sector	14048	18238	11298	3227	11	46822	59
Total	19614	36311	18780	4177	783	79665	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	469	1148	437	522	11	2587	70
Lignite	19	9	48	0	0	76	2
Hydro	250	39	55	98	25	468	13
Nuclear	27	33	65	0	0	125	3
Gas, Naptha & Diesel	32	40	13	0	24	109	3
RES (Wind, Solar, Biomass & Others)	81	83	156	5	0	326	9
Total	879	1352	774	626	60	3690	100
Share of RES in total generation (%)	9.24	6.18	20.12	0.82	0.12	8.83	
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	40.78	11.46	35.72	16.54	41.33	24.88	

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.038
Based on State Max Demands	1.082

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: 06-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	19.4	-19.4
2	HVDC	PUSAULI B/B	-	2	249	0.0	5.4	-5.4
3	765 kV	GAYA-VARANASI	2	0	557	0.0	8.7	-8.7
4	765 kV	SASARAM-FATEHPUR	1	120	205	0.0	0.4	-0.4
5	765 kV	GAYA-BALIA	1	0	635	0.0	11.3	-11.3
6	400 kV	PUSAULI-VARANASI	1	0	216	0.0	4.2	-4.2
7	400 kV	PUSAULI-ALLAHABAD	1	41	82	0.0	0.9	-0.9
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	602	0.0	11.0	-11.0
9	400 kV	PATNA-BALIA	4	0	1226	0.0	21.8	-21.8
10	400 kV	BIHARSHARIFF-BALIA	2	0	431	0.0	7.2	-7.2
11	400 kV	MOTIHARI-GORAKHPUR	2	0	413	0.0	6.6	-6.6
12	400 kV	BIHARSHARIFF-VARANASI	2	0	314	0.0	3.3	-3.3
13	220 kV	PUSAULI-SAHUPURI	1	35	100	0.0	1.4	-1.4
14	132 kV	SONE NAGAR-RIHAND	1	0	0	0.0	0.0	0.0
15	132 kV	GARWAH-RIHAND	1	0	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	101.6	-101.0
<b>Import/Export of ER (With WR)</b>								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	1095	0	15.1	0.0	15.1
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1505	0	23.5	0.0	23.5
3	765 kV	JHARSUGUDA-DURG	2	317	205	1.5	0.0	1.5
4	400 kV	JHARSUGUDA-RAIGARH	4	129	206	0.0	0.4	-0.4
5	400 kV	RANCHI-SIPAT	2	399	0	6.2	0.0	6.2
6	220 kV	BUDHIPADAR-RAIGARH	1	27	103	0.0	1.0	-1.0
7	220 kV	BUDHIPADAR-KORBA	2	98	0	1.4	0.0	1.4
						ER-WR	47.7	46.2
<b>Import/Export of ER (With SR)</b>								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	447	0.0	9.9	-9.9
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1630	0.0	33.5	-33.5
3	765 kV	ANGUL-SRIKAKULAM	2	0	2484	0.0	44.1	-44.1
4	400 kV	TALCHER-I/C	2	743	0	10.1	0.0	10.1
5	220 kV	BALMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
						ER-SR	87.5	-87.5
<b>Import/Export of ER (With NER)</b>								
1	400 kV	BINAGURI-BONGAIGAON	2	152	212	0.0	1.9	-1.9
2	400 kV	ALIPURDUAR-BONGAIGAON	2	416	149	0.8	0.0	0.8
3	220 kV	ALIPURDUAR-SALAKATI	2	51	40	0.0	0.3	-0.3
						ER-NER	0.8	-1.4
<b>Import/Export of NER (With NR)</b>								
1	HVDC	BISWANATH CHARIALL-AGRA	2	0	503	0.0	12.0	-12.0
						NER-NR	12.0	-12.0
<b>Import/Export of WR (With NR)</b>								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	2033	0.0	42.4	-42.4
2	HVDC	VINDHYACHAL B/B	-	0	0	0.0	0.0	0.0
3	HVDC	MUNDRAL-MOHENDERGARH	2	0	979	0.0	24.2	-24.2
4	765 kV	GWALIOR-AGRA	2	0	2651	0.0	47.5	-47.5
5	765 kV	PHAGI-GWALIOR	2	0	1883	0.0	33.8	-33.8
6	765 kV	JABALPUR-ORAI	2	721	1011	0.0	36.4	-36.4
7	765 kV	GWALIOR-ORAI	1	640	0	11.8	0.0	11.8
8	765 kV	SATNA-ORAI	1	0	1547	0.0	32.9	-32.9
9	765 kV	CHITORGARH-BANASKANTHA	2	1506	0	19.1	0.0	19.1
10	400 kV	ZERDA-KANKROLI	1	303	0	4.7	0.0	4.7
11	400 kV	ZERDA-BHNMAL	1	457	0	7.1	0.0	7.1
12	400 kV	VINDHYACHAL-RIHAND	1	965	0	22.2	0.0	22.2
13	400 kV	RAPP-SHULALPUR	2	0	500	0.0	6.7	-6.7
14	220 kV	BHANPURA-RANPUR	1	0	81	0.0	1.2	-1.2
15	220 kV	BHANPURA-MORAK	1	0	30	0.0	0.7	-0.7
16	220 kV	MEHGAON-AURAIYA	1	106	7	0.3	0.2	0.1
17	220 kV	MALANPUR-AURAIYA	1	73	29	0.7	0.0	0.7
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	65.9	-160.3
<b>Import/Export of WR (With SR)</b>								
1	HVDC	BHADRAWATI B/B	-	0	414	0.0	9.8	-9.8
2	HVDC	RAIGARH-PUGALUR	2	470	502	0.0	9.4	-9.4
3	765 kV	SOLAPUR-RAICHUR	2	2301	857	15.3	2.1	13.2
4	765 kV	WARDHA-NIZAMABAD	2	147	1887	0.1	22.1	-22.1
5	400 kV	KOLHAPUR-KUDGI	2	1064	0	12.2	0.0	12.2
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	73	1.5	0.0	1.5
						WR-SR	29.0	-14.4
<b>INTERNATIONAL EXCHANGES</b>								
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)	585	343	413	9.9		
	ER	400KV TALA-BINAGURI 1,2,3 (& 400KV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW))	436	359	387	9.3		
	ER	220KV CHUKHA-BIRPARA 1&2 (& 220KV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	134	0	105	2.5		
	NER	132KV-GEYLEGPHU - SALAKATI	11	2	-2	0.0		
	NER	132KV Motanga-Rangia	30	24	-30	-0.7		
NEPAL	NR	132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG)	-79	0	-69	-1.7		
	ER	400KV-MUZAFFARPUR - DHALKEBAR DC	277	83	-194	-4.7		
	ER	132KV-BIHAR - NEPAL	112	1	17	0.4		
BANGLADESH	ER	BHERAMARA HVDC(BANGLADESH)	-930	-911	-920	-22.1		
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	-76	0	-60	-1.4		
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	-76	0	-59	-1.4		