



**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: 01<sup>st</sup> July 2022

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 30.06.2022.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 30-जून-2022 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 30<sup>th</sup> June 2022, 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: 01-Jul-2022

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)	55439	54158	42381	25452	2929	180359
Peak Shortage (MW)	0	0	0	118	88	206
Energy Met (MU)	1359	1273	1027	522	54	4234
Hydro Gen (MU)	334	25	47	120	35	560
Wind Gen (MU)	67	156	199	-	-	422
Solar Gen (MU)*	100.68	34.85	95.22	5.25	0.46	236
Energy Shortage (MU)	0.60	0.00	0.00	1.75	0.79	3.14
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	70841	55059	49017	25553	2934	187662
Time Of Maximum Demand Met (From NLDC SCADA)	00:00	10:57	11:29	22:47	19:15	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	0.040	0.00	0.00	2.71	2.71	71.92	25.37

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	13662	0	273.2	175.6	-4.9	229	0.00
	Haryana	11277	0	193.2	132.3	-4.6	505	0.00
	Rajasthan	13323	0	281.6	53.9	-2.5	299	0.00
	Delhi	7130	0	123.5	109.9	-1.8	183	0.00
	UP	20124	0	357.3	170.0	-5.6	754	0.00
	Uttarakhand	2012	0	41.8	24.5	-0.1	198	0.60
	HP	1591	0	32.7	-0.9	-1.0	44	0.00
	J&K(UT) & Ladakh(UT)	2013	0	49.9	29.8	-4.8	51	0.00
	Chandigarh	274	0	5.6	6.5	-1.0	7	0.00
	Chhattisgarh	4458	0	105.1	52.3	0.0	203	0.00
WR	Gujarat	18940	0	413.0	183.1	0.0	632	0.00
	MP	9348	0	205.3	104.4	0.0	548	0.00
	Maharashtra	21873	0	491.7	170.6	-0.2	897	0.00
	Goa	587	0	11.8	11.6	-0.1	43	0.00
	DNHDDPDCL	1198	0	27.9	27.9	0.0	65	0.00
	AMNSIL	846	0	18.3	11.4	0.6	249	0.00
	Andhra Pradesh	9285	0	196.1	45.2	1.5	646	0.00
SR	Telangana	9688	0	183.1	81.4	0.7	1047	0.00
	Karnataka	11083	0	206.9	62.6	-1.6	719	0.00
	Kerala	3239	0	68.5	54.1	0.0	164	0.00
	Tamil Nadu	16507	0	362.0	168.2	-5.6	842	0.00
	Puducherry	461	0	10.0	10.2	-0.2	36	0.00
ER	Bihar	6084	453	100.6	89.8	0.4	398	0.74
	DVC	3542	0	73.5	-25.0	1.0	275	0.00
	Jharkhand	1712	118	35.2	26.0	0.7	208	1.01
	Odisha	6273	0	125.4	66.9	-0.9	342	0.00
	West Bengal	9472	0	185.4	64.8	0.7	452	0.00
	Sikkim	96	0	1.5	1.5	0.1	29	0.00
NER	Arunachal Pradesh	135	0	2.4	2.3	-0.3	30	0.00
	Assam	1913	0	35.1	26.9	0.2	143	0.00
	Manipur	192	0	2.7	2.6	0.1	15	0.00
	Meghalaya	276	88	5.3	0.5	0.3	45	0.79
	Mizoram	100	0	1.8	1.4	-0.1	16	0.00
	Nagaland	141	0	2.7	2.3	-0.1	13	0.00
	Tripura	278	0	4.2	4.3	0.1	38	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	42.0	8.4	-25.4
Day Peak (MW)	1949.0	363.7	-1076.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	249.3	-160.4	25.1	-103.7	-10.3	0.0
Actual(MU)	183.6	-121.9	44.0	-98.6	-10.5	-3.3
O/D/U/D(MU)	-65.7	38.5	19.0	5.1	-0.1	-3.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	3882	12286	5698	2305	822	24992	42
State Sector	8180	14936	8060	2542	276	33993	58
Total	12062	27221	13758	4847	1098	58986	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	644	1152	498	526	13	2834	64
Lignite	29	14	65	0	0	108	2
Hydro	336	25	47	120	35	563	13
Nuclear	29	33	67	0	0	129	3
Gas, Naptha & Diesel	21	7	9	0	23	59	1
RES (Wind, Solar, Biomass & Others)	184	191	338	5	0	718	16
Total	1244	1422	1024	651	72	4411	100

Share of RES in total generation (%)	14.78	13.40	32.99	0.80	0.64	16.27
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	44.14	17.44	44.14	19.25	49.54	31.95

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.084
Based on State Max Demands	1.114

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: 01-Jul-2022

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	1500	0.0	27.7	-27.7	
2	HVDC	PUSAULI B/B	-	0	49	0.0	1.3	-1.3	
3	765 kV	GAYA-VARANASI	2	819	318	6.5	0.0	6.5	
4	765 kV	SASARAM-FATEHPUR	1	148	475	0.0	3.4	-3.4	
5	765 kV	GAYA-BALIA	1	71	516	0.0	5.5	-5.5	
6	400 kV	PUSAULI-VARANASI	1	25	78	0.0	0.6	-0.6	
7	400 kV	PUSAULI-ALLAHABAD	1	19	84	0.0	0.7	-0.7	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	679	0.0	10.5	-10.5	
9	400 kV	PATNA-BALIA	2	0	586	0.0	8.9	-8.9	
10	400 kV	NAUBATPUR-BALIA	2	0	635	0.0	9.4	-9.4	
11	400 kV	BIHARSHARIFF-BALIA	2	0	480	0.0	5.3	-5.3	
12	400 kV	MOTIHARI-GORAKHPUR	2	30	416	0.0	5.2	-5.2	
13	400 kV	BIHARSHARIFF-VARANASI	2	298	214	0.8	0.0	0.8	
14	220 kV	SAHUPURI-KARMANASA	1	0	175	0.0	3.0	-3.0	
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.1	0.0	0.1	
16	132 kV	GARWAH-RIHAND	1	25	0	0.2	0.0	0.2	
17	132 kV	KARMANASA-SAHUPURI	1	0	30	0.0	0.0	0.0	
18	132 kV	KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0	
						ER-NR	7.6	81.3	-73.7
<b>Import/Export of ER (With WR)</b>									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	629	0	26.4	0.0	26.4	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1321	248	15.3	0.0	15.3	
3	765 kV	JHARSUGUDA-DURG	2	0	314	0.0	2.0	-2.0	
4	400 kV	JHARSUGUDA-RAIGARH	4	0	312	0.0	3.7	-3.7	
5	400 kV	RANCHI-SIPAT	2	214	191	1.2	0.0	1.2	
6	220 kV	BUDHIPADAR-RAIGARH	1	0	94	0.0	2.0	-2.0	
7	220 kV	BUDHIPADAR-KORBA	2	203	0	2.8	0.0	2.8	
						ER-WR	45.7	7.7	38.1
<b>Import/Export of ER (With SR)</b>									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	335	0	8.4	0.0	8.4	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	2479	0.0	40.9	-40.9	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2965	0.0	52.6	-52.6	
4	400 kV	TALCHER-I/C	2	264	714	0.0	2.9	-2.9	
5	220 kV	BALIMELA-UPPER-SILERRU	1	2	0	0.0	0.0	0.0	
						ER-SR	8.4	93.5	-85.0
<b>Import/Export of ER (With NER)</b>									
1	400 kV	BINAGURI-BONGAIGAON	2	0	457	0.0	7.2	-7.2	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	127	505	0.0	6.6	-6.6	
3	220 kV	ALIPURDUAR-SALAKATI	2	0	132	0.0	2.1	-2.1	
						ER-NER	0.0	15.8	-15.8
<b>Import/Export of NER (With NR)</b>									
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	1509	0.0	27.3	-27.3	
						NER-NR	0.0	27.3	-27.3
<b>Import/Export of WR (With NR)</b>									
1	HVDC	CHAMPA-KURUKSHETRA	2	0	4533	0.0	43.1	-43.1	
2	HVDC	VINDHYACHAL B/B	-	446	0	12.1	0.0	12.1	
3	HVDC	MUNDRA-MOHINDERGARH	2	0	1518	0.0	16.7	-16.7	
4	765 kV	GWALIOR-AGRA	2	461	1596	0.0	10.9	-10.9	
5	765 kV	GWALIOR-PHAGI	2	1042	1273	0.0	8.1	-8.1	
6	765 kV	JABALPUR-ORAI	2	291	776	0.0	10.6	-10.6	
7	765 kV	GWALIOR-ORAI	1	649	52	7.7	0.0	7.7	
8	765 kV	SATNA-ORAI	1	0	977	0.0	15.6	-15.6	
9	765 kV	BANASKANTHA-CHITORGARH	2	1280	91	15.2	0.0	15.2	
10	765 kV	VINDHYACHAL-VARANASI	2	0	2991	0.0	51.9	-51.9	
11	400 kV	ZERDA-KANKROLI	1	376	0	5.2	0.0	5.2	
12	400 kV	ZERDA-BHINMAL	1	798	0	11.3	0.0	11.3	
13	400 kV	VINDHYACHAL-RIHAND	1	971	0	20.8	0.0	20.8	
14	400 kV	RAPP-SHUJALPUR	2	0	0	0.0	0.0	0.0	
15	220 kV	BHANPURA-RANPUR	1	0	0	0.0	0.0	0.0	
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	2.4	-2.4	
17	220 kV	MEHGAON-AURAIYA	1	111	0	0.9	0.0	0.9	
18	220 kV	MALANPUR-AURAIYA	1	81	2	1.4	0.0	1.4	
19	132 kV	GWALIOR-SAWAI MADHOPUR	1	0	0	0.0	0.0	0.0	
20	132 kV	RAJGHAT-LALITPUR	2	0	0	0.0	0.0	0.0	
						WR-NR	74.6	159.4	-84.7
<b>Import/Export of WR (With SR)</b>									
1	HVDC	BHADRAWATI B/B	-	293	312	4.6	2.5	2.1	
2	HVDC	RAIGARH-PUGALUR	2	1163	0	22.8	0.0	22.8	
3	765 kV	SOLAPUR-RAICHUR	2	661	1741	0.0	8.1	-8.1	
4	765 kV	WARDHA-NIZAMABAD	2	0	2962	0.0	40.2	-40.2	
5	400 kV	KOLHAPUR-KUDGI	2	1232	0	23.4	0.0	23.4	
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	94	1.8	0.0	1.8	
						WR-SR	52.6	50.8	1.9

INTERNATIONAL EXCHANGES				Import(+ve)/Export(-ve) Energy Exchange (MU)			
State	Region	Line Name	Max (MW)	Min (MW)	Avg (MW)		
BHUTAN	ER	400kV MANGDECHHU-ALIPURDUAR 1,2&3 i.e. ALIPURDUAR RECEIPT (from MANGDECHHU HEP 4*180MW)	603	0	552	13.2	
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE -BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW))	1104	0	1094	26.3	
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	192	0	155	3.7	
	NER	132kV GELEPHU-SALAKATI	-21	-9	-16	-0.4	
	NER	132kV MOTANGA-RANGIA	-51	-20	-38	-0.9	
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-51	0	-25	-0.6	
	ER	NEPAL IMPORT (FROM BIHAR)	-7	0	-5	-0.1	
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	422	352	380	9.1	
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-928	-872	-901	-21.6	
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-148	0	-158	-3.8	