



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: 07th 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 06.07.2022.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 06-जुलाई-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 06th July 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: 07-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)	65781	50255	41566	23754	3103	184459
Peak Shortage (MW)	1513	1457	0	1399	81	4450
Energy Met (MU)	1612	1185	938	536	60	4331
Hydro Gen (MU)	361	35	92	116	31	634
Wind Gen (MU)	15	63	216	-	-	294
Solar Gen (MU)*	106.52	36.97	61.14	5.17	0.02	210
Energy Shortage (MU)	14.35	6.60	0.00	5.31	0.74	27.00
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	71394	50282	43825	25332	3213	186173
Time Of Maximum Demand Met (From NLDC SCADA)	00:11	19:22	09:57	00:00	20:13	20:27

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	1.26	0.62	6.47	8.36	74.49	17.15

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	13214	0	309.0	185.3	-1.0	144	0.00
	Haryana	11124	0	244.4	160.0	0.7	332	2.26
	Rajasthan	11923	0	255.8	69.4	-0.2	339	2.44
	Delhi	7279	0	145.8	134.7	-2.2	167	0.00
	UP	24406	490	515.3	263.7	0.7	488	7.20
	Uttarakhand	2145	0	48.4	28.9	1.2	175	2.45
	HP	1732	0	34.6	-1.6	0.4	215	0.00
	J&K(UT) & Ladakh(UT)	1999	0	51.6	29.0	-2.5	213	0.00
	Chandigarh	330	0	6.8	7.0	-0.2	28	0.00
	WR	Chhattisgarh	4353	0	101.5	47.0	0.8	215
Gujarat		14877	0	347.1	196.7	2.0	953	6.60
MP		9423	0	212.4	99.9	0.0	333	0.00
Maharashtra		20908	0	467.9	148.9	2.6	1288	0.00
Goa		583	0	12.3	11.8	0.5	77	0.00
DNHDDPDCL		1198	0	27.1	27.4	-0.3	67	0.00
AMNSIL		822	0	17.0	11.5	-0.4	254	0.00
SR	Andhra Pradesh	8128	0	178.0	26.4	2.4	973	0.00
	Telangana	8494	0	162.9	83.8	0.2	479	0.00
	Karnataka	9336	0	177.3	43.0	-1.1	661	0.00
	Kerala	3226	0	66.1	40.2	0.1	215	0.00
	Tamil Nadu	15512	0	344.1	126.5	-3.8	468	0.00
	Puducherry	450	0	9.5	9.5	0.0	71	0.00
	ER	Bihar	6480	45	124.5	116.1	0.5	477
DVC		3571	0	75.7	-49.7	0.1	262	0.00
Jharkhand		1441	0	32.1	24.0	-0.1	165	1.14
Odisha		5366	0	113.7	49.2	0.2	322	0.00
West Bengal		9168	0	188.3	67.5	-0.6	384	0.00
NER	Sikkim	95	0	1.6	1.5	0.1	34	0.00
	Arunachal Pradesh	134	0	2.7	2.2	0.1	65	0.00
	Assam	2193	0	41.4	32.3	2.0	190	0.00
	Manipur	199	0	2.7	2.6	0.1	40	0.00
	Meghalaya	280	21	5.5	-0.2	0.3	69	0.74
	Mizoram	111	0	1.8	1.4	0.0	36	0.00
	Nagaland	144	0	2.8	2.2	0.0	27	0.00
	Tripura	284	0	3.5	5.2	-0.8	83	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	35.8	6.0	-24.6
Day Peak (MW)	1817.0	268.5	-1088.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	312.7	-173.1	-8.4	-132.9	1.7	0.0
Actual(MU)	327.0	-159.8	-44.6	-126.7	-2.1	-6.2
O/D/U/D(MU)	14.3	13.3	-36.3	6.2	-3.7	-6.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	3170	13930	7348	2965	709	28121	44
State Sector	8200	15954	9420	2080	191	35844	56
Total	11370	29883	16768	5045	900	63965	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	762	1178	479	563	14	2994	68
Lignite	30	9	55	0	0	94	2
Hydro	363	35	92	116	31	637	14
Nuclear	29	33	68	0	0	130	3
Gas, Naptha & Diesel	24	8	9	0	24	65	1
RES (Wind, Solar, Biomass & Others)	99	100	310	5	0	514	12
Total	1307	1362	1011	684	69	4433	100

Share of RES in total generation (%)	7.56	7.32	30.64	0.75	0.03	11.58
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	37.59	12.30	46.41	17.75	44.80	28.88

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.041
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: 07-Jul-2022

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	1503	0.0	26.0	-26.0	
2	HVDC	PUSAULI B/B	2	0	49	0.0	1.2	-1.2	
3	765 kV	GAYA-VARANASI	2	343	315	0.1	0.0	0.1	
4	765 kV	SASARAM-FATEHPUR	1	0	325	0.0	4.6	-4.6	
5	765 kV	GAYA-BALIA	1	0	831	0.0	13.2	-13.2	
6	400 kV	PUSAULI-VARANASI	1	50	40	0.1	0.0	0.1	
7	400 kV	PUSAULI-ALLAHABAD	1	0	107	0.0	1.2	-1.2	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	815	0.0	12.9	-12.9	
9	400 kV	PATNA-BALIA	2	0	581	0.0	10.2	-10.2	
10	400 kV	NAUBATPUR-BALIA	2	0	607	0.0	10.4	-10.4	
11	400 kV	BIHARSHARIFF-BALIA	2	0	519	0.0	7.2	-7.2	
12	400 kV	MOTIHARI-GORAKHPUR	2	0	429	0.0	6.4	-6.4	
13	400 kV	BIHARSHARIFF-VARANASI	2	61	256	0.0	2.9	-2.9	
14	220 kV	SINPUR-BIKRAMNASHA	1	0	159	0.0	2.5	-2.5	
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.0	0.0	0.0	
16	132 kV	GARWAH-RIHAND	1	25	0	0.0	0.4	0.4	
17	132 kV	KARMANASA-SAHUPURI	1	0	0	0.0	0.0	0.0	
18	132 kV	KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0	
						ER-NR	0.5	98.7	-98.2
Import/Export of ER (With WR)									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	629	0	8.4	0.0	8.4	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1571	0	19.7	0.0	19.7	
3	765 kV	JHARSUGUDA-DURG	2	0	314	0.0	3.7	-3.7	
4	400 kV	JHARSUGUDA-RAIGARH	4	0	312	0.0	4.0	-4.0	
5	400 kV	RANCHI-SIPAT	2	293	37	2.1	0.0	2.1	
6	220 kV	BUDHIPADAR-RAIGARH	1	0	110	0.0	1.5	-1.5	
7	220 kV	BUDHIPADAR-KORBA	2	100	8	0.9	0.0	0.9	
						ER-WR	31.1	9.1	21.9
Import/Export of ER (With SR)									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	597	0	14.3	0.0	14.3	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1988	0.0	32.2	-32.2	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2626	0.0	43.1	-43.1	
4	400 kV	TALCHER-I/C	2	330	661	1.5	0.0	1.5	
5	220 kV	BALIMELA-UPPER-SILERRU	1	2	0	0.0	0.0	0.0	
						ER-SR	14.3	75.3	-61.0
Import/Export of ER (With NER)									
1	400 kV	BINAGURI-BONGAIGAON	2	0	758	0.0	9.9	-9.9	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	0	848	0.0	10.4	-10.4	
3	220 kV	ALIPURDUAR-SALAKATI	2	0	178	0.0	2.6	-2.6	
						ER-NER	0.0	22.9	-22.9
Import/Export of NER (With NR)									
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	1509	0.0	25.6	-25.6	
						NER-NR	0.0	25.6	-25.6
Import/Export of WR (With NR)									
1	HVDC	CHAMPA-KURUKSHETRA	2	0	2270	0.0	95.5	-95.5	
2	HVDC	VINDHYACHAL B/B	2	444	0	12.1	0.0	12.1	
3	HVDC	MUNDRA-MOHENDERGARH	2	0	1517	0.0	15.0	-15.0	
4	765 kV	GWALIOR-AGRA	2	0	2361	0.0	28.9	-28.9	
5	765 kV	GWALIOR-PHAGI	2	215	1699	0.5	21.1	-20.6	
6	765 kV	JABALPUR-ORAI	2	0	1188	0.0	32.5	-32.5	
7	765 kV	GWALIOR-ORAI	1	566	0	9.6	0.0	9.6	
8	765 kV	SATNA-ORAI	1	0	1167	0.0	21.8	-21.8	
9	765 kV	BANASKANTHA-CHITORGARH	2	1455	0	20.2	0.0	20.2	
10	765 kV	VINDHYACHAL-VARANASI	2	0	3710	0.0	64.7	-64.7	
11	400 kV	ZERDA-KANKROLI	1	306	0	4.2	0.0	4.2	
12	400 kV	ZERDA-JBHINMAL	1	665	0	6.7	0.0	6.7	
13	400 kV	VINDHYACHAL-RIHAND	1	966	0	22.0	0.0	22.0	
14	400 kV	RAPP-SHULIAPUR	2	343	642	2.1	4.8	-2.7	
15	220 kV	BHANUPURA-RANPUR	1	0	0	0.0	0.0	0.0	
16	220 kV	BHANUPURA-MORAK	1	0	30	0.0	2.7	-2.7	
17	220 kV	MEHGAON-AURAIYA	1	92	0	0.6	0.0	0.6	
18	220 kV	MALANPUR-AURAIYA	1	57	16	1.8	0.0	1.8	
19	132 kV	GWALIOR-SAWAIMADHOPUR	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	79.7	287.0	-207.3
Import/Export of WR (With SR)									
1	HVDC	BHADRAWATI B/B	-	984	0	20.9	0.0	20.9	
2	HVDC	RAIGARH-PUGALUR	2	2878	0	52.5	0.0	52.5	
3	765 kV	SOLAPUR-RAICHUR	2	1410	1461	6.6	7.0	-0.4	
4	765 kV	WARDHA-NIZAMABAD	2	0	2442	0.0	35.0	-35.0	
5	400 kV	KOLHAPUR-KUDCI	2	1700	0	29.7	0.0	29.7	
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	XELDEM-AMBEWADI	1	0	106	1.8	0.0	1.8	
						WR-SR	111.4	41.9	69.5
INTERNATIONAL EXCHANGES									
State	Region	Line Name	Max (MW)	Min (MW)	Avg (MW)	Import(+ve)/Export(-ve) Energy Exchange (MU)			
BHUTAN	ER	400KV MANGDECHHU-ALIPURDUAR 1,2&3 i.e. ALIPURDUAR RECEIPT (from MANGDECHHU HEP 4*180MW)	566	0	526	12.6			
	ER	400KV TALA-BINAGURI 1,2,3 (& 400KV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW))	1061	827	854	20.5			
	ER	220KV CHUKHA-BIRPARA 1&2 (& 220KV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	215	0	166	4.0			
	NER	132KV GELEPHU-SALAKATI	35	11	22	0.5			
	NER	132KV MOTANGA-RANGIA	46	11	33	0.8			
NEPAL	NR	132KV MAHENDRANAGAR-TANAKPUR(NHPC)	-75	0	-52	-1.3			
	ER	NEPAL IMPORT (FROM BIHAR)	-40	-3	-10	-0.2			
BANGLADESH	ER	400KV DHALKEBAR-MUZAFFARPUR 1&2	384	195	312	7.5			
	NER	BHERAMARA B/B HVDC (BANGLADESH)	-927	-574	-874	-21.0			
		132KV COMILLA-SURAJMANJANAGAR 1&2	-161	0	-153	-3.7			