



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: 28th June 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 27.06.2022.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 27-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 27th 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: 28-Jun-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)	67574	54605	43081	25296	2892	193448
Peak Shortage (MW)	3227	0	0	438	74	3739
Energy Met (MU)	1684	1262	987	552	55	4540
Hydro Gen (MU)	322	29	59	113	32	555
Wind Gen (MU)	19	90	212	-	-	321
Solar Gen (MU)*	109.19	36.11	86.04	5.16	0.54	237
Energy Shortage (MU)	38.34	0.20	0.00	5.08	0.78	44.40
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	76234	55461	46814	26096	3083	201347
Time Of Maximum Demand Met (From NLDC SCADA)	14:20	15:02	11:49	22:24	19:12	14:34

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	0.145	2.23	8.17	25.93	36.34	59.21	4.46

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	13976	0	321.8	195.4	-1.2	75	0.00
	Haryana	11775	298	243.5	165.3	0.9	307	8.09
	Rajasthan	14541	718	300.5	93.1	0.5	442	16.91
	Delhi	7168	0	145.4	131.7	0.4	347	0.33
	UP	24041	380	522.8	249.4	1.0	423	11.32
	Uttarakhand	2344	30	52.0	31.2	0.3	157	1.34
	HP	1694	0	36.0	6.2	0.1	94	0.00
	J&K(UT) & Ladakh(UT)	2580	100	54.4	30.7	-1.2	106	0.35
	Chandigarh	386	0	7.9	7.6	0.2	46	0.00
	Chhattisgarh	4484	50	100.6	50.6	-2.7	202	0.20
WR	Gujarat	18561	0	391.7	199.9	0.8	972	0.00
	MP	10205	0	227.2	100.8	0.0	753	0.00
	Maharashtra	21706	0	483.9	136.1	-1.9	891	0.00
	Goa	584	0	11.6	11.4	-0.2	42	0.00
	DNHDDPDCL	1203	0	27.6	27.6	0.0	83	0.00
	AMNSIL	862	0	19.5	11.4	0.3	256	0.00
SR	Andhra Pradesh	9310	0	191.4	45.5	3.0	894	0.00
	Telangana	8561	0	162.6	56.0	-0.1	771	0.00
	Karnataka	10618	0	204.3	63.4	-2.7	494	0.00
	Kerala	3638	0	75.0	54.8	-0.2	156	0.00
	Tamil Nadu	16202	0	343.9	157.8	2.8	1085	0.00
	Puducherry	406	0	9.7	9.8	-0.1	42	0.00
ER	Bihar	6424	519	128.9	115.3	2.1	435	2.47
	DVC	3521	0	74.8	-41.1	2.8	486	0.00
	Jharkhand	1569	63	35.1	23.9	2.2	221	2.61
	Odisha	5960	0	130.5	64.4	0.9	324	0.00
	West Bengal	9230	0	181.4	55.3	2.3	505	0.00
NER	Sikkim	96	0	1.5	1.5	0.0	18	0.00
	Arunachal Pradesh	139	0	2.5	2.3	0.0	24	0.00
	Assam	1870	0	34.9	26.9	-0.4	113	0.00
	Manipur	188	30	2.5	2.5	0.1	28	0.07
	Meghalaya	324	25	5.3	0.2	0.1	62	0.71
	Mizoram	97	0	1.7	1.4	-0.1	19	0.00
	Nagaland	152	0	2.6	2.4	-0.3	11	0.00
	Tripura	293	0	5.4	5.0	0.4	64	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	31.8	4.5	-24.7
Day Peak (MW)	1744.0	230.3	-1092.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	402.6	-223.8	-25.3	-147.3	-6.2	0.0
Actual(MU)	384.8	-221.1	-21.0	-138.5	-13.0	-8.8
O/D/U/D(MU)	-17.8	2.7	4.3	8.8	-6.8	-8.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	2817	12024	6488	2305	822	24455	43
State Sector	6291	14001	9390	2770	160	32611	57
Total	9107	26024	15878	5075	982	57066	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	813	1301	494	603	17	3229	69
Lignite	28	13	68	0	0	109	2
Hydro	324	29	60	113	32	558	12
Nuclear	28	33	67	0	0	129	3
Gas, Naptha & Diesel	26	7	9	0	25	67	1
RES (Wind, Solar, Biomass & Others)	140	127	342	5	1	615	13
Total	1360	1510	1040	721	74	4705	100

Share of RES in total generation (%)	10.29	8.38	32.93	0.71	0.73	13.10
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	36.22	12.49	45.13	16.36	43.73	27.68

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.031
Based on State Max Demands	1.066

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: 28-Jun-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	1002	0.0	23.4	-23.4	
2	HVDC	PUSAULI B/B	2	0	48	0.0	1.3	-1.3	
3	765 kV	GAYA-VARANASI	2	20	576	0.0	7.4	-7.4	
4	765 kV	SASARAM-FATEHPUR	1	0	532	0.0	9.3	-9.3	
5	765 kV	GAYA-BALIA	1	0	718	0.0	13.0	-13.0	
6	400 kV	PUSAULI-VARANASI	1	40	26	0.3	0.0	0.3	
7	400 kV	PUSAULI-ALLAHABAD	1	0	97	0.0	1.4	-1.4	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	999	0.0	18.8	-18.8	
9	400 kV	PATNA-BALIA	2	0	661	0.0	13.9	-13.9	
10	400 kV	NAUBATPUR-BALIA	2	0	701	0.0	14.3	-14.3	
11	400 kV	BIHARSHARIFF-BALIA	2	0	597	0.0	9.1	-9.1	
12	400 kV	MOTIHARI-GORAKHPUR	2	0	545	0.0	10.4	-10.4	
13	400 kV	BIHARSHARIFF-VARANASI	2	0	340	0.0	5.4	-5.4	
14	220 kV	SINHPUR-KARMANASA	1	0	168	0.0	3.0	-3.0	
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.0	0.0	0.0	
16	132 kV	GARWAH-RIHAND	1	25	0	0.6	0.0	0.6	
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	0.9	130.8	-129.9
Import/Export of ER (With WR)									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	629	0	13.2	0.0	13.2	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1100	176	15.1	0.0	15.1	
3	765 kV	JHARSUGUDA-DURG	2	0	314	0.0	0.6	-0.6	
4	400 kV	JHARSUGUDA-RAIGARH	4	0	312	0.0	5.0	-5.0	
5	400 kV	RANCHI-SIPAT	2	197	145	1.2	0.0	1.2	
6	220 kV	BUDHIPADAR-RAIGARH	1	0	104	0.0	0.3	-0.3	
7	220 kV	BUDHIPADAR-KORBA	2	105	0	1.3	0.0	1.3	
						ER-WR	30.8	5.9	24.9
Import/Export of ER (With SR)									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	597	0	13.5	0.0	13.5	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1980	0.0	32.3	-32.3	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2924	0.0	49.1	-49.1	
4	400 kV	TALCHER-I/C	2	1737	142	12.1	0.0	12.1	
5	220 kV	BALMELA-UPPER-SILERRU	1	2	0	0.0	0.0	0.0	
						ER-SR	13.5	81.4	-68.0
Import/Export of ER (With NER)									
1	400 kV	BINAGURI-BONGAIGAON	2	0	379	0.0	5.0	-5.0	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	0	413	0.0	3.5	-3.5	
3	220 kV	ALIPURDUAR-SALAKATI	2	0	116	0.0	1.6	-1.6	
						ER-NER	0.0	10.1	-10.1
Import/Export of NER (With NR)									
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	1006	0.0	24.4	-24.4	
						NER-NR	0.0	24.4	-24.4
Import/Export of WR (With NR)									
1	HVDC	CHAMPA-KURUKSHETRA	2	0	4023	0.0	70.8	-70.8	
2	HVDC	VINDHYACHAL B/B	2	439	0	4.4	0.0	4.4	
3	HVDC	MUNDRA-MOHINDERGARH	2	0	1624	0.0	36.3	-36.3	
4	765 kV	GWALIOR-AGRA	2	0	2214	0.0	37.2	-37.2	
5	765 kV	GWALIOR-PHAGI	2	0	2001	0.0	35.1	-35.1	
6	765 kV	JABALPUR-ORAI	2	0	1078	0.0	38.5	-38.5	
7	765 kV	GWALIOR-ORAI	1	606	0	11.8	0.0	11.8	
8	765 kV	SATNA-ORAI	1	0	1161	0.0	24.6	-24.6	
9	765 kV	BANASKANTHA-CHITORGARH	2	1561	137	17.3	0.0	17.3	
10	765 kV	VINDHYACHAL-VARANASI	2	0	3276	0.0	61.7	-61.7	
11	400 kV	ZERDA-KANKROLI	1	311	59	3.5	0.0	3.5	
12	400 kV	ZERDA-JBHINMAL	1	545	60	5.7	0.0	5.7	
13	400 kV	VINDHYACHAL-RIHAND	1	968	0	22.4	0.0	22.4	
14	400 kV	RAPP-SHILAIIPUR	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	2.2	-2.2	
17	220 kV	MEHGAON-AURAIYA	1	97	0	0.4	0.1	0.4	
18	220 kV	MALANPUR-AURAIYA	1	61	19	1.1	0.0	1.1	
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	66.6	306.5	-239.9
Import/Export of WR (With SR)									
1	HVDC	BHADRAWATI B/B	-	987	0	24.0	0.0	24.0	
2	HVDC	RAIGARH-PUGALUR	2	2872	0	35.8	0.0	35.8	
3	765 kV	SOLAPUR-RAICHUR	2	1084	2130	3.2	13.9	-10.6	
4	765 kV	WARDHA-NIZAMABAD	2	0	2899	0.0	35.3	-35.3	
5	400 kV	KOLHAPUR-KUDCI	2	1544	0	26.5	0.0	26.5	
6	220 kV	KOLHAPUR-CHIKODI	1	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	113	2.0	0.0	2.0	
						WR-SR	91.5	49.2	42.4
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)	590	0	546	13.1			
	ER	400KV TALA-BINAGURI 1,2,4 (& 400KV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW))	950	0	657	15.8			
	ER	220KV CHUKHA-BIRPARA 1&2 (& 220KV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	197	0	170	4.1			
	NER	132KV GELEPHU-SALAKATI	19	9	14	0.3			
	NER	132KV MOTANGA-RANGIA	49	23	37	0.9			
NEPAL	NR	132KV MAHENDRANAGAR-TANAKPUR(NHPC)	-78	0	-63	-1.5			
	ER	NEPAL IMPORT (FROM BIHAR)	-58	4	-33	-0.8			
BANGLADESH	ER	400KV DHALKEBAR-MUZAFFARPUR 1&2	366	168	282	6.8			
	NER	BHERAMARA B/B HVDC (BANGLADESH)	-928	-784	-879	-21.1			
		132KV COMILLA-SURAJMANJANAGAR 1&2	-164	0	-150	-3.6			