

National Load Despatch Centre राष्ट्रीय भार प्रेषण केंद्र

POWER SYSTEM OPERATION CORPORATION LIMITED पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड

(Government of India Enterprise/ भारत सरकार का उद्यम) B-9, QUTUB INSTITUTIONAL AREA, KATWARIA SARAI, NEW DELHI -110016 बी-9, क़तुब इन्स्टीट्यूशनल एरिया, कटवारिया सराये, न्यू दिल्ली-110016

दिनांक: 22nd July 2021

Ref: POSOCO/NLDC/SO/Daily PSP Report

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

- 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., डोंगतिएह, 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 21.07.2021.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 21-जुलाई-2021 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रा॰भा॰प्रे॰के॰ की वेबसाइट पर उप्लब्ध 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 21st July 2021, is available at the NLDC website.

धन्यवाद.

पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली



Report for previous day
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)	59098	46696	36753	23114	3044	168705
Peak Shortage (MW)	560	0	0	0	3	563
Energy Met (MU)	1244	1098	836	505	59	3742
Hydro Gen (MU)	350	26	116	109	34	634
Wind Gen (MU)	23	248	238		-	508
Solar Gen (MU)*	41.78	20.62	51.06	4.37	0.22	118
Energy Shortage (MU)	3.68	0.00	0.00	0.00	0.00	3.68
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	61909	54308	39126	23607	3059	169374
Time Of Maximum Demand Met (From NLDC SCADA)	21:58	09:47	11:05	22:41	19:33	19:52

Ali India	0.022	0.00	0.00	1.4/	1.55	/8.00	19.87	1
C. Power Sup	ply Position in States							
		Max.Demand	Shortage during	Energy Met	Drawal	OD(+)/UD(-)	Max OD	Energy
Region	States	Met during the	maximum	2.55	Schedule	2.50		Shortage
_		day(MW)	Demand(MW)	(MU)	(MU)	(MU)	(MW)	(MU)
	Punjab	10350	0	202.5	157.9	-9.5	146	0.00
	Haryana	8448	0	165.8	143.6	0.4	452	0.00
	Rajasthan	11534	0	258.6	96.6	4.5	736	0.23
	Delhi	5275	0	100.2	91.3	-1.3	89	0.00
NR	UP	21573	0	396.2	191.5	0.2	343	0.00
	Uttarakhand	1789	0	40.1	14.5	0.5	181	0.00
	HP	1465	0	28.5	-6.9	-2.8	0	0.00
	J&K(UT) & Ladakh(UT)	2318	250	46.9	22.4	-0.5	469	3.45
	Chandigarh	266	0	5.2	6.0	-0.7	29	0.00
	Chhattisgarh	3981	0	96.8	48.0	0.0	194	0.00
	Gujarat	14758	0	329.5	120.1	1.6	677	0.00
	MP	9557	0	215.9	138.9	-2.1	386	0.00
WR	Maharashtra	18670	0	398.3	118.0	-5.6	598	0.00
	Goa	514	0	11.1	10.3	0.2	38	0.00
	DD	332	0	7.4	7.2	0.2	21	0.00
	DNH	835	0	19.4	19.3	0.1	40	0.00
	AMNSIL	885	0	19.8	6.2	0.1	349	0.00
	Andhra Pradesh	7240	0	156.7	34.6	0.3	430	0.00
	Telangana	8007	0	155.3	50.8	-2.1	397	0.00
SR	Karnataka	7295	0	140.8	-10.3	-0.4	631	0.00
	Kerala	2971	0	64.6	24.1	-1.5	161	0.00
	Tamil Nadu	14008	0	309.9	120.8	-1.4	491	0.00
	Puducherry	385	0	8.4	8.3	0.0	63	0.00
	Bihar	6511	0	126.9	120.2	0.4	363	0.00
	DVC	2963	0	65.0	-31.8	-0.5	314	0.00
	Jharkhand	1625	0	29.8	25.3	-2.7	199	0.00
ER	Odisha	5423	0	111.1	40.1	-0.4	233	0.00
	West Bengal	8546	0	170.7	51.2	0.8	622	0.00
	Sikkim	86	0	1.4	1.5	-0.2	19	0.00
	Arunachal Pradesh	147	0	2.2	2.4	-0.2	53	0.00
	Assam	1977	0	39.2	31.5	0.5	197	0.00
	Manipur	192	0	2.6	2.7	-0.1	19	0.00
NER	Meghalaya	370	0	5.8	1.8	0.2	51	0.00
	Mizoram	103	0	1.5	1.6	-0.1	36	0.00
	Nagaland	144	0	2.6	2.4	-0.1	12	0.00
	Tripura	286	2	5.1	4.2	0.0	93	0.00

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

 Bhutan
 Nepal
 Bangladesh

 Actual (MU)
 20.9
 -2.8
 -20.6

 Day Peak (MW)
 982.0
 -315.3
 -971.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	329.6	-222.1	-51.3	-53.2	-3.0	0.0
Actual(MU)	310.7	-211.7	-49.1	-54.4	-2.7	-7.2
IO/D/II/D(MII)	-1Q Q	10.4	2.1	-13	0.4	-7.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	7972	16008	9942	1160	259	35340	42
State Sector	11595	22158	10295	5075	11	49134	58
Total	19567	38166	20237	6235	270	84474	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	453	964	379	462	10	2268	59
Lignite	22	11	33	0	0	66	2
Hydro	350	26	116	109	34	634	17
Nuclear	31	33	42	0	0	105	3
Gas, Naptha & Diesel	18	27	12	0	23	79	2
RES (Wind, Solar, Biomass & Others)	86	269	318	4	0	677	18
Total	959	1329	899	576	67	3830	100
CI CDEC: 4.4 1 (2.787)							i
Share of RES in total generation (%)	8.92	20.22	35.42	0.77	0.33	17.69	
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	48.65	24.61	52.92	19.69	51.09	37.00	

H. All India Demand Diversity Factor

11 111 Illand Delland Diversity Tuctor	
Based on Regional Max Demands	1.075
Based on State Max Demands	1.068

Based on State Max Demands

1,008

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.

INTER-REGIONAL EXCHANGES

Import=(+ve) /Export =(-ve) for NET (MU)
Date of Reporting: 22-Jul-2021

· ·			T	1	1		Date of Reporting:	22-Jul-2021
SI No	Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
Impo	rt/Export of ER (-		10		1. 1	400
2		ALIPURDUAR-AGRA PUSAULI B/B	2	0	1000 245	0.0	14.1 5.7	-14.1 -5.7
3		GAYA-VARANASI	2	0	601	0.0	6.9	-6.9
4		SASARAM-FATEHPUR	ļ.	348	0	4.3	0.0	4.3
6		GAYA-BALIA PUSAULI-VARANASI	1	0	669 240	0.0	10.0 4.8	-10.0 -4.8
7	400 kV	PUSAULI -ALLAHABAD	i	Ů	87	0.0	1.0	-1.0
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	563	0.0	7.6	-7.6
9 10		PATNA-BALIA BIHARSHARIFF-BALIA	4	0 84	1028 344	0.0	17.3 4.8	-17.3 -4.8
11		MOTIHARI-GORAKHPUR	2	0	319	0.0	4.1	-4.1
12	400 kV	BIHARSHARIFF-VARANASI	2	138	176	0.0	0.4	-0.4
13		PUSAULI-SAHUPURI	1	0	143	0.0	2.6 0.0	-2.6
15		SONE NAGAR-RIHAND GARWAH-RIHAND	† †	20	0	0.5	0.0	0.0
16	132 kV	KARMANASA-SAHUPURI	1	0	0	0.0	0.0	0.0
17	132 kV	KARMANASA-CHANDAULI	11	0	0 ER-NR	0.0	0.0 79.3	0.0
Impo	rt/Export of ER (V	With WR)			EK-NK	4.8	13.3	-74.4
1		JHARSUGUDA-DHARAMJAIGARH	4	722	107	5.0	0.0	5.0
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	2121	0	38.6	0.0	38.6
3	765 kV	JHARSUGUDA-DURG	2	293	0	4.7	0.0	4.7
4	400 kV	JHARSUGUDA-RAIGARH	4	83	192	0.0	1.0	-1.0
5		RANCHI-SIPAT	2	527	0	8.9	0.0	8.9
6		BUDHIPADAR-RAIGARH	1	0	120	0.0	2.0	-2.0
7	220 kV	BUDHIPADAR-KORBA	2	116	0	2.0	0.0	2.0
Impo	rt/Export of ER (V	With SR)			ER-WR	59.3	2.9	56.3
1mpo		JEYPORE-GAZUWAKA B/B	2	300	0	7.3	0.0	7.3
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1638	0.0	31.4	-31.4
3	765 kV	ANGUL-SRIKAKULAM	2	0	2122	0.0	32.2	-32.2
5		TALCHER-I/C BALIMELA-UPPER-SILERRU	2	367	899	0.0	7.4	-7.4 0.0
			1		ER-SR	7.3	63.6	-56.3
	rt/Export of ER (
2		BINAGURI-BONGAIGAON ALIPURDUAR-BONGAIGAON	2	78 46	321 419	0.1 0.0	2.9 3.7	-2.8 -3.7
3		ALIPURDUAR-BONGAIGAON ALIPURDUAR-SALAKATI	2	0	113	0.0	1.5	-3./ -1.5
				-	ER-NER	0.1	8.2	-8.0
Impo	rt/Export of NER HVDC	(With NR) BISWANATH CHARIALI-AGRA		1 0	704	0.0	12.6	-12.6
H	HVDC	BISWANATH CHARIALI-AGRA		ı v	NER-NR	0.0	12.6	-12.6
Impo	rt/Export of WR (
1	HVDC	CHAMPA-KURUKSHETRA	2	0	4533	0.0	62.3	-62.3
3		VINDHYACHAL B/B MUNDRA-MOHINDERGARH	2	195	203 1915	3.8 0.0	1.0 32.5	2.8 -32.5
4		GWALIOR-AGRA	2	0	3466	0.0	56.1	-56.1
5	765 kV	GWALIOR-PHAGI	2	0	1409	0.0	20.6	-20.6
6	765 kV	JABALPUR-ORAI	2	0	1310	0.0	43.6 0.0	-43.6
7 8		GWALIOR-ORAI SATNA-ORAI	+ +	514 0	0 1529	10.0 0.0	29.3	10.0 -29.3
9	765 kV	BANASKANTHA-CHITORGARH	2	Ŏ	895	0.0	11.9	-11.9
10		ZERDA-KANKROLI	1	50	118	0.0	0.6	-0.6
11 12		ZERDA -BHINMAL VINDHYACHAL -RIHAND	1	212 963	256	0.0	0.8	-0.8
13		RAPP-SHUJALPUR	2	0	545	20.8 0.0	6.1	20.8 -6.1
14		BHANPURA-RANPUR	1	0	124	0.0	2.0	-2.0
15	220 kV	BHANPURA-MORAK	1	0	30	0.0	1.4	-1.4
16 17		MEHGAON-AURAIYA MALANPUR-AURAIYA	1	58 27	31 58	0.1	0.5 0.1	-0.4 0.2
18		GWALIOR-SAWAI MADHOPUR	1	0	0	0.0	0.0	0.0
19		RAJGHAT-LALITPUR	2	0	0	0.0	0.0	0.0
Impo	rt/Export of WR ((With CD)			WR-NR	35.0	268.7	-233.7
1mpo		BHADRAWATI B/B		300	0	7.3	0.0	7.3
2		RAIGARH-PUGALUR	2	2148	Ö	49.7	0.0	49.7
3		SOLAPUR-RAICHUR	2	1391	697	13.6	0.0	13.6
5	765 kV 400 kV	WARDHA-NIZAMABAD KOLHAPUR-KUDGI	2	186 1222	1604 0	0.2 21.2	13.1 0.0	-12.9 21.2
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	0	81 WR-SR	1.4 93.5	0.0 13.1	1.4 80.4
=		IN	TERNATIONAL EX	CHANGES	11 K-3K	73.3		+ve)/Export(-ve)
\vdash	C4-4-							Energy Exchange
	State	Region		Name	Max (MW)	Min (MW)	Avg (MW)	(MII)
		EB	400kV MANGDECHH		(42		502	
1		ER	1,2&3 i.e. ALIPURDU. MANGDECHU HEP 4		642	0	592	14.2
1			400kV TALA-BINAGU	JRI 1,2,4 (& 400kV			İ	
1		ER	MALBASE - BINAGU		0	0	0	0.0
1			RECEIPT (from TAL) 220kV CHUKHA-BIR	PARA 1&2 (& 220kV				
	BHUTAN	ER	MALBASE - BIRPAR		233	0	207	5.0
1			RECEIPT (from CHU	KHA HEP 4*84MW)				
1		NER	132kV GELEPHU-SAI	LAKATI	30	19	24	0.6
		·						
		NER	1321-V MOTANCA D	ANCIA	67	3	50	1.2
L		NEK	132kV MOTANGA-RANGIA		0/		30	1.2
			132kV MAHENDRAN	AGAR-				
1	NR TANAKPUR(NHPC)		-76	0	-47	-1.1		
NEPAL				OM BIHAR)	-117	-1	-24	-0.6
	NEPAL	ER	NEPAL IMPORT (FR	NEPAL IMPORT (FROM BIHAR)				
	NEPAL	ER	NEPAL IMPORT (FR					
	NEPAL	ER ER		MUZAFFARPUR 1&2	-122	-30	-45	-1.1
	NEPAL					-30	-45	-1.1
	NEPAL		400kV DHALKEBAR-			-30 -626	-45 -744	-1.1
-	NEPAL	ER	400kV DHALKEBAR-	MUZAFFARPUR 1&2	-122			
p		ER ER	400kV DHALKEBAR- BHERAMARA B/B H 132kV COMILLA-SUI	MUZAFFARPUR 1&2	-122 -828	-626	-744	-17.9
В.	NEPAL ANGLADESH	ER	400kV DHALKEBAR- BHERAMARA B/B H	MUZAFFARPUR 1&2	-122			