

## 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: 19<sup>th</sup> Dec 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

- 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., 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 18.12.2021.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 18-दिसंबर-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 18<sup>th</sup> December 2021, is available at the NLDC website.

धन्यवाद,

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



Report for previous day

A Date of Reporting: 19-Dec-2021

A Davier Supply Position at All India and Regional level

	NR	WR	SR	ER	NER	TOTAL
Demand Met during Evening Peak hrs(MW) (at 19:00 hrs; from RLDCs)	53469	55606	39412	18904	2559	169950
Peak Shortage (MW)	250	0	0	306	0	556
Energy Met (MU)	1056	1266	882	381	44	3629
Hydro Gen (MU)	108	28	71	28	6	242
Wind Gen (MU)	15	120	46		-	181
Solar Gen (MU)*	67.21	38.18	102.55	4.61	0.28	213
Energy Shortage (MU)	4.73	0.00	0.00	3.68	0.00	8.41
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	54314	61386	43576	19123	2637	174258
Time Of Maximum Demand Met (From NLDC SCADA)	18:23	10:27	08:13	18:01	17:22	09:55

Region	FVI	< 49.7	49.7 - 49.8	49.8 - 49.9	< 49.9	49.9 - 50.05	> 50.05
All India	0.029	0.00	0.00	0.65	0.65	71.51	27.84

		Max.Demand	Shortage during	Energy Met	Drawal	OD(+)/UD(-)	Max OD	Energy
Region	States	Met during the	maximum	(MU)	Schedule	(MU)	(MW)	Shortag
		day(MW)	Demand(MW)	` '	(MU)	( -/	, ,	(MU)
	Punjab	7280	0	140.1	78.2	-0.7	223	0.00
	Haryana	7186	0	134.9	85.7	0.0	250	0.00
	Rajasthan	15121	0	271.9	79.2	0.4	328	0.00
	Delhi	3980	0	66.8	58.6	-0.2	208	0.00
NR	UP	18020	0	306.7	103.3	-0.5	407	0.00
	Uttarakhand	2202	0	41.6	28.2	0.8	219	0.08
	HP	1955	0	35.3	28.6	-0.5	188	0.00
	J&K(UT) & Ladakh(UT)	2628	300	55.3	50.6	-0.4	155	4.65
	Chandigarh	232	0	3.8	4.1	-0.2	34	0.00
	Chhattisgarh	3812	0	82.1	29.4	0.2	254	0.00
	Gujarat	17448	0	354.4	166.4	2.4	505	0.00
	MP	15110	0	292.5	178.3	-0.7	612	0.00
WR	Maharashtra	23448	0	481.3	134.1	-4.3	514	0.00
	Goa	559	0	11.9	11.4	-0.1	26	0.00
	DD	323	0	7.3	7.0	0.3	34	0.00
	DNH	831	0	19.2	19.2	0.0	45	0.00
	AMNSIL	773	0	16.9	8.2	-0.2	286	0.00
	Andhra Pradesh	8280	0	163.4	78.0	-0.3	314	0.00
	Telangana	9701	0	178.4	68.0	-0.6	716	0.00
SR	Karnataka	10005	0	180.6	34.5	-0.8	423	0.00
	Kerala	3782	0	76.4	54.3	-0.5	242	0.00
	Tamil Nadu	13697	0	276.4	168.6	-1.0	510	0.00
	Puducherry	339	0	7.0	7.3	-0.4	25	0.00
	Bihar	4535	0	76.2	65.6	-1.1	215	0.00
	DVC	3193	0	65.6	-42.7	0.6	462	2,36
	Jharkhand	1579	0	29.7	20.6	-0.8	167	1.32
ER	Odisha	4910	0	96.4	29.2	0.2	269	0.00
	West Bengal	6344	0	111.3	-8.1	0.4	425	0.00
	Sikkim	114	0	1.7	1.8	-0.1	51	0.00
	Arunachal Pradesh	126	0	2,2	2.1	0.0	33	0.00
	Assam	1469	0	24.4	18.2	-0.3	80	0.00
	Manipur	224	0	3.3	3.3	0.0	24	0.00
NER	Meghalaya	384	Ö	7.1	5.4	0.3	68	0.00
	Mizoram	124	Ö	1.9	1.6	0.0	8	0.00
	Nagaland	145	Ö	2.4	2.2	0.0	15	0.00
	Tripura	221	0	3.0	1.6	-0.8	20	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	5.4	-2.6	-14.6
Day Peak (MW)	308.0	-291.9	-838.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	244.8	-159.3	80.3	-165.9	0.0	0.0
Actual(MU)	242.6	-151.9	72.3	-169.1	1.8	-4.3
O/D/U/D(MU)	-2.2	7.4	-8.0	-3.3	1.8	-4.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	6537	14228	6942	2360	830	30897	41
State Sector	11056	18206	11831	3008	11	44111	59
Total	17593	32433	18773	5368	841	75007	100

G. Sourcewise generation (MU)

NR	WR	SR	ER	NER	All India	% Share
569	1189	460	533	12	2762	74
24	10	35	0	0	68	2
108	28	71	28	6	242	7
28	33	70	0	0	130	4
11	11	9	0	29	60	2
107	160	178	5	0	449	12
847	1430	822	565	47	3711	100
44.75			0.00	0.50		i
12.65	11.17	21.59	0.82	0.59	12.11	
28.73	15.45	38.73	5.71	13.96	22.14	
	569 24 108 28 11 107 847	569 1189 24 10 108 28 28 33 11 11 107 160 847 1430 12.65 11.17	569         1189         460           24         10         35           108         28         71           28         33         70           11         11         9           107         160         178           847         1430         822           12.65         11.17         21.59	569         1189         460         533           24         10         35         0           108         28         71         28           28         33         70         0           11         11         9         0           107         160         178         5           847         1430         822         565           12.65         11.17         21.59         0.82	569         1189         460         533         12           24         10         35         0         0           108         28         71         28         6           28         33         70         0         0         0           11         11         9         0         29         107         160         178         5         0         0           847         1430         822         565         47           12.65         11.17         21.59         0.82         0.59	569         1189         460         533         12         2762           24         10         35         0         0         68           108         28         71         28         6         242           28         33         70         0         0         130           11         11         9         0         29         60           107         160         178         5         0         449           847         1430         822         565         47         3711           12.65         11.17         21.59         0.82         0.59         12.11

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.039
Based on State Max Demands	1.091

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: 19-Dec-2021

Second Color   Depart Color   Depa							Date of Reporting:	19-Dec-2021
	Sl Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)		
1	NO -		1101 01 Circuit	Max Import (MI)	Man Export (M111)	import (iiie)	1	1121 (110)
2   DIVIC   PASSILLER			2	0	0	0.0	0.0	0.0
1	2 HVDC	PUSAULI B/B						0.0
\$			2					
0			1					
1		PUSAULI-VARANASI	1					
S	7 400 kV	PUSAULI -ALLAHABAD	i	15	127	0.0	1.6	-1.6
			2					-10.7
11			4					
1			2					
10			2					
10   124			1					
15   123			i					
10			1		0		0.0	
1	16 132 kV	KARMANASA-SAHUPURI	1					
	17 132 kV	KARMANASA-CHANDAULI	1	0	24			
1	Import/Export of ED (	With WD)			ER-NK	0.3	94.1	-93.8
1			1 4	611	"	0.4	0.0	0.4
1								
1								
S								
1		JHARSUGUDA-RAIGARH	4	174	387	0.0	2.9	-2.9
1	5 400 kV	RANCHI-SIPAT	2	105	361	0.0	2.6	-2.6
1	6 220 kV	BUDHIPADAR-RAIGARH	1	0	134	0.0	1.8	-1.8
BROWN   0.9   16.8   -15.9   16.8   -15.9   16.8   -15.9   16.8   -15.9   16.8   -15.9   16.8   -15.9   17.8   1								
	, DEGRY		·	_ 00				
	Import/Export of ER (	With SR)			DIC (TIC	0.2	1010	-10.7
1   PUPC   TALCHER KOLAR BIPOLE   2   0   1988   0.0   38.3   -38.3	1 HVDC	JEYPORE-GAZUWAKA B/B	2			5.0	0.0	5.0
1   490 AV   TALCITECT   2   705   769   1.0   0.0   1.0		TALCHER-KOLAR BIPOLE	2			0.0		-38.3
2								
Import   Service   Servi								
Import   I	5   220 KV	BALIMELA-UPPER-SILERRU	1		U FR-SR			
1	Import/Export of ER	With NER)			ER-3R	2.0	07.7	-04.7
1			2	0	420	0.0	5.5	-5.5
1   20   10   10   12   -12   -12   -13		ALIPURDUAR-BONGAIGAON	2				7.1	
ImprefExport of NER (With NR)		ALIPURDUAR-SALAKATI	2	0				-1.2
I HYDE	¥		<del>-</del>	<u>-</u>	ER-NER		13.8	-13.8
Depart   West   Wish   NR								
	1 HVDC	BISWANATH CHARIALI-AGRA	2	. 0				
Hype	Immout/Exmout of WD	(With ND)			NER-NK	0.0	12.1	-12.1
HYDC   VINDIYACHAL BB			1 2	1 0	2514	0.0	50.5	-50.5
3		VINDHYACHAL R/R						
4   765 NY   GWALIORAGRA   2   0   1803   0.0   28.2   2.28.2			2					
S			2	Õ			28.2	
7		GWALIOR-PHAGI						
S			2					
9   765 EV   BANASKANTHA-CHITORGARH   2   1085   135   10.0   0.0   10.0     10   765 EV   VINDITYACHAL-VARNASIS   2   0   2.0   2.395   0.0   35.3   35.3     11   400 EV   ZERDA-KANSKOL   1   225   0   3.0   0.0   3.0     11   400 EV   ZERDA-KANSKOL   1   225   0   3.0   0.0   3.0     12   400 EV   ZERDA-KANSKOL   1   225   0   3.0   0.0   3.0     13   400 EV   ZERDA-KANSKOL   1   225   0   3.0   0.0   3.0     14   400 EV   VINDITYACHAL-RIBIND   1   966   0   20.0   0.0   20.0     15   220 EV   SHANFURAL-RIBIND   1   10.0   3.0   0.4   2.5   -2.1     15   220 EV   BHANFURA-RANFUR   1   112   76   0.4   0.2   0.2     16   220 EV   BHANFURA-MORAK   1   0.5   30   0.4   0.7   -0.3     17   220 EV   BHANFURA-MORAK   1   0.5   30   0.4   0.7   -0.3     17   220 EV   BHANFURA-MORAK   1   0.5   30   0.4   0.7   -0.3     19   133 EV   GWALFOR-SAWAL MANDHOPUR   1   0   0   0.0   0.0   0.0     10   132 EV   RAGIGHA-LAITPUR   2   0   0   0.0   0.0   0.0     10   132 EV   RAGIGHA-LAITPUR   2   0   0   0.0   0.0   0.0   0.0     10   10   10   10   10   0   0.0   0.0   0.0     10   10   10   10   10   0   0.0   0.0   0.0     10   10   10   10   10   0   0.0   0.0   0.0     10   10   10   10   10   10   0.0   0.0   0.0     10   10   10   10   10   10   10			1				0.0	
10			1				17.7	
11		WINDHYACHAL WADANACI						
12			1					
13			î			2.3		2.3
14   490 KV			1			20.0		
16   220 kV   BHANPURA-MORAK	14 400 kV		2	149	352	0.4		-2.1
17   220 KV   MIALANURAURANYA			1					
18   220 kV   MALANPURAURAIYA			1					
132 kV			1					
132 kV   RAJGHAT-LALITPUR   2   0   0   0.0   0.0   0.0   0.0   0.0		CWALLOR CAWALMADUODUD	+ +					
WR-NR   59,1   196,9   -137,8		DAICHAT LALITPUD	1					
Import(Export of WR (With SR)	20 1 132 KV	IKAJGHAT-LALITI UK						
1 HYDC   BHADRAWATIBB   -	Import/Export of WR	(With SR)				2712		10/10/
3   765 kV   SOLAPUR-RAICHUR   2   862   1726   2.9   13.8   -10.9				496	315	4.6	3.6	1.0
4   765 kV   WARDHA-NIZAMABAD   2   0   3253   0.0   40.1   -40.1     5   400 kV   KOLHAPUR-KUDGI   2   1436   0   19.9   0.0   19.9     6   220 kV   KOLHAPUR-CHIKODI   2   0   0   0.0   0.0   0.0     7   220 kV   ROLHAPUR-CHIKODI   1   0   0   0.0   0.0   0.0     8   220 kV   PONDA-AMBEWADI   1   1   77   1.0   0.0   0.0   0.0     8   220 kV   ELDEM-AMBEWADI   1   1   77   1.0   0.0   0.0   1.0	2 HVDC	RAIGARH-PUGALUR				0.0		
S   400 kV   ROLHAPUR-KUDGI   2   1436   0   19.9   0.0   19.9								
Column								
7   220 kV   PONDA-AMBEWADI   1   0   0   0.0   0.0   0.0   0.0   1.0								
State   Region   Line Name   Max (MW)   Min (MW)   Avg (MW)   Energy Exchange (MII)			1					
State   Region   Line Name   Max (MW)   Min (MW)   Avg (MW)   Energy Exchange (MU)			1					
INTERNATIONAL EXCHANGES	J 220 R 1	,						
State   Region   Line Name   Max (MW)   Min (MW)   Avg (MW)   Energy Exchange (MU)		IN	TERNATIONAL FY	CHANGES			Import	
Max   Min   Min   May   Min   Min								
Hone	State	Region	Line	Name	Max (MW)	Min (MW)	Avg (MW)	
ER			400kV MANGDECHH	U-ALIPURDUAR				1171111
MANGDECHU HEF 4*180MW    100		ER	1,2&3 i.e. ALIPURDU.	AR RECEIPT (from	104	0	68	1.6
ER	1		MANGDECHU HEP 4	*180MW)				
RECEIPT (from TALA HEF (\$479MW)   2200V CHUKHA BERPARA 182 6220V   MALBASE BIRPARA) 162 6220V   MALBASE BIRPARA) 162 6220V   MALBASE BIRPARA) 164   4	1	Fin			151		155	2.5
BHUTAN   ER   MALBASE - BIRPARA 1&2 (& 220kV		ER			171	0	155	3.7
BHUTAN   ER			220kV CHUKHA-RIR	PARA 1&2 (& 220kV			<del> </del>	
NER	BHUTAN	ER			14	4	-4	-0.1
NER   132kV MOTANGA-RANGIA   12   2   5   0.1	1							
NER   132kV MOTANGA-RANGIA   12   2   5   0.1			1201 V. CIPIT					
NR 132kV MAHENDRANAGAR- TANAKPUR(NHPC) 0 0 0 0 0.0  NEPAL ER NEPAL IMPORT (FROM BIHAR) .84 0 .14 .0,3  ER 400kV DHALKEBAR-MUZAFFARPUR 1&2 .208 13 .94 .2.3  ER BHERAMARA B/B HVDC (BANGLADESH) .736 .340 .529 .12.7		NER	152KV GELEPHU-SAI	ANAII	8	0	"	0.0
NR 132kV MAHENDRANAGAR- TANAKPUR(NHPC) 0 0 0 0 0.0  NEPAL ER NEPAL IMPORT (FROM BIHAR) .84 0 .14 .0,3  ER 400kV DHALKEBAR-MUZAFFARPUR 1&2 .208 13 .94 .2.3  ER BHERAMARA B/B HVDC (BANGLADESH) .736 .340 .529 .12.7	1							
NR 132kV MAHENDRANAGAR- TANAKPUR(NHPC) 0 0 0 0 0.0  NEPAL ER NEPAL IMPORT (FROM BIHAR) .84 0 .14 .0,3  ER 400kV DHALKEBAR-MUZAFFARPUR 1&2 .208 13 .94 .2.3  ER BHERAMARA B/B HVDC (BANGLADESH) .736 .340 .529 .12.7		NER	132kV MOTANGA-RA	NGIA	12	2	5	0.1
NEPAL ER NEPAL IMPORT (FROM BIHAR) .84 0 -14 -0.3  ER 400kV DHALKEBAR-MUZAFFARPUR 1&2 -208 13 -94 -2.3  ER BHERAMARA B/B HVDC (BANGLADESH) -736 -340 -529 -12.7		· <del></del>						
NEPAL ER NEPAL IMPORT (FROM BIHAR) .84 0 -14 -0.3  ER 400kV DHALKEBAR-MUZAFFARPUR 1&2 -208 13 -94 -2.3  ER BHERAMARA B/B HVDC (BANGLADESH) -736 -340 -529 -12.7			132kV MAHENDRAN	AGAR-		-		
NEPAL         ER         NEPAL IMPORT (FROM BIHAR)         -84         0         -14         -0,3           ER         400kV DHALKEBAR-MUZAFFARPUR 1&2         -208         13         -94         -2,3           ER         BHERAMARA B/B HVDC (BANGLADESH)         -736         -340         -529         -12,7	1	NR			0	0	0	0.0
ER 400kV DHALKEBAR-MUZAFFARPUR 1&2 -208 13 -94 -2.3  ER BHERAMARA B/B HVDC (BANGLADESH) -736 -340 -529 -12.7					-		1	
ER 400kV DHALKEBAR-MUZAFFARPUR 1&2 -208 13 -94 -2.3  ER BHERAMARA B/B HVDC (BANGLADESH) -736 -340 -529 -12.7	NEPAL	FR	NEPAL IMPORT (FR	OM BIHAR)	-84	0	-14	-0.3
ER BHERAMARA B/B HVDC (BANGLADESH) -736 -340 -529 -12.7	1		(* **					0.0
ER BHERAMARA B/B HVDC (BANGLADESH) -736 -340 -529 -12.7								
		ER	400kV DHALKEBAR-	MUZAFFARPUR 1&2	-208	13	-94	-2.3
		<u> </u>	<b> </b>				ļ	
	1	F.D.	BHERAMARA R/R II	VDC (BANGLADESH)	.736	-340	-529	-12.7
BANGLADESH NER 132kV COMILLA-SURAJMANI NAGAR 1&2 -102 0 -80 -1.9	1	E.K	DILBONIANA D/D H	. DC (DANGLADESII)	-/30	-340	-347	-14./
BANGLADESH         NER         132kV COMILLA-SURAJMANI NAGAR 1&2         -102         0         -80         -1.9			İ				İ	
	BANGLADESH	NER	132kV COMILLA-SUI	RAJMANI NAGAR 1&2	-102	0	-80	-1.9