

## National Load Despatch Centre राष्ट्रीय भार प्रेषण केंद्र GRID CONTROLLER OF INDIA LIMITED ग्रिड कंट्रोलर ऑफ इंडिया लिमिटेड

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Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 22<sup>nd</sup> January 2024

To,

- 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 21.01.2024.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 21-जनवरी-2024 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 21<sup>st</sup> January 2024, is available at the NLDC website.

धन्यवाद,

## ग्रिड कंट्रलर ऑफ इंडिया लिमिटेड राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली



Report for previous day

Date of Reporting: 22-Jan-2024 A. Power Supply Position at All India and Regional level

	NR	WR	SR	ER	NER	TOTAL
Demand Met during Evening Peak hrs(MW) (at	(0770	50/25	42702	20595	2572	19/2/5
19:00 hrs; from RLDCs)	60779	59625	42703	20585	2573	186265
Peak Shortage (MW)	261	0	0	593	0	854
Energy Met (MU)	1283	1443	1117	442	47	4333
Hydro Gen (MU)	95	52	45	21	9	222
Wind Gen (MU)	9	46	37	-	-	91
Solar Gen (MU)*	94.72	65.09	112.36	4.67	0.90	278
Energy Shortage (MU)	3.04	2.90	0.00	3.76	1.00	10.70
Maximum Demand Met During the Day (MW)	65473	72341		21174	2676	212207
(From NLDC SCADA)	054/3	72341	55755	21174	20/0	213206
Time Of Maximum Demand Met	12:30	10:58	09:46	18:43	17:51	10:58

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	0.031	0.00	0.19	3 30	3.48	79.09	17 43

C. Power Supply Position in States

	C4-4	Max.Demand	Shortage during	Energy Met	Drawal	OD(+)/UD(-)	Max OD	Energy
Region	States	Met during the day (MW)	maximum Demand (MW)	(MU)	Schedule (MU)	(MU)	(MW)	Shortage (MU)
	Punjab	9056	0	168.0	64.5	0.1	238	0.00
	Haryana	7853	150	151.1	86.2	1.3	398	1.42
	Rajasthan	17335	0	327.9	118.3	-0.3	464	0.00
	Delhi	5430	0	87.5	72.9	0.0	499	0.00
NR	UP	21302	0	391.3	118.7	0.1	831	0.00
	Uttarakhand	2371	0	46.6	33.8	1.0	156	0.42
	HP	2035	0	36.2	31.6	-0.1	115	0.27
	J&K(UT) & Ladakh(UT)	3076	95	66.0	61.4	0.4	263	0.93
	Chandigarh	286	0	5.1	4.9	0.2	64	0.00
	Railways_NR ISTS	173	0	3.1	3.4	-0.3	52	0.00
	Chhattisgarh	4624	0	98.2	47.2	-1.3	415	0.00
	Gujarat	20487	0	397.0	149.1	-3.4	404	0.00
	MP	16906	628	319.6	187.9	-0.3	868	2.90
WR	Maharashtra	27055	0	556.9	161.3	-4.1	1183	0.00
	Goa	580	0	11.2	12.8	-2.0	60	0.00
	DNHDDPDCL	1208	0	28.4	28.4	0.0	74	0.00
	AMNSIL	880	0	19.7	9.8	0.2	284	0.00
	BALCO	520	0	12.4	12.4	0.0	10	0.00
	Andhra Pradesh	11831	0	211.3	87.6	-2.3	444	0.00
	Telangana	13443	0	250.8	121.4	-1.2	557	0.00
$\mathbf{SR}$	Karnataka	13933	0	267.1	123.4	0.1	710	0.00
	Kerala	3919	0	78.2	64.3	0.9	336	0.00
	Tamil Nadu	14008	0	302.2	171.1	0.1	493	0.00
	Puducherry	356	0	8.1	7.8	-0.4	21	0.00
	Bihar	5236	211	103.4	92.7	-0.9	148	1.32
	DVC	3351	0	71.0	-49.4	-0.6	373	0.00
	Jharkhand	1669	215	31.6	23.6	-1.5	239	2.44
ER	Odisha	4388	0	92.3	13.6	-0.8	357	0.00
	West Bengal	6573	0	142.5	12.0	-1.9	131	0.00
	Sikkim	95	0	1.6	1.8	-0.2	13	0.00
	Railways_ER ISTS	2	0	0.0	0.1	-0.1	0	0.00
	Arunachal Pradesh	173	0	3.0	2.9	0.0	45	0.00
	Assam	1462	0	26.3	20.7	0.7	156	0.29
	Manipur	227	0	3.0	2.9	0.2	39	0.71
NER	Meghalaya	347	0	6.2	5.0	-0.3	63	0.00
	Mizoram	144	0	2.2	1.5	-0.1	22	0.00
	Nagaland	140	0	2.1	2.1	-0.1	30	0.00
	Tripura	228	0	3.9	3.0	-0.2	17	0.00

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

	Bhutan	Nepal	Bangladesh	Godda -> Bangladesh
Actual (MU)	-12.6	-9.9	-18.4	-32.1
Day Peak (MW)	-679.0	-599.1	-894.0	-1234.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	282.7	-251.8	132.4	-169.7	6.3	0.0
Actual(MU)	286.9	-260.5	136.6	-175.7	6.0	-6.5
O/D/U/D(MU)	4.2	-8.7	4.2	-6.0	-0.3	-6.5

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	8482	12014	4158	4612	651	29916	54
State Sector	6101	9689	7535	2256	281	25862	46
Total	14583	21703	11693	6868	932	55778	100

G. Sourcewise generation (Gross) (MU)

G. Bour cewise generation (Gross) (WC)							
	NR	WR	SR	ER	NER	All India	% Share
Coal	785	1573	691	684	11	3744	79
Lignite	33	18	57	0	0	108	2
Hydro	95	52	45	21	9	222	5
Nuclear	26	39	76	0	0	142	3
Gas, Naptha & Diesel	17	48	6	0	25	96	2
RES (Wind, Solar, Biomass & Others)	127	113	179	7	1	428	9
Total	1084	1843	1054	712	46	4740	100
Share of RES in total generation (%)	11.74	6.14	17.02	0.99	1.96	9.03	
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	22.94	11.08	28.52	3.99	22.10	16.72	

H.	All	India	Dei	mand D	iversity	Factor	
•	-	_	•	117	-	_	

H. All India Demand Diversity Factor	
Based on Regional Max Demands	1.019
Based on State Max Demands	1.044

I. All India Peak	Demand ar	nd shortage	at Solar and l	Non-Solar Hour
	ì	D 117	A CR STEEL	

	Max Demand Met(MW)	Time	Shortage(MW)
Solar hr	213206	10:58	1676
Non-Solar hr	191364	18:54	1021

Diversity factor = Sum of regional or state maximum demands / All India maximum demand

\*\*Note: All generation MU figures are gross

\*\*\*Godda (Jharkhand) -> Bangladesh power exchange is through the radial connection (isolated from Indian Grid)

Solar Hours -> 07:00 to 17:00hrs and rest are Non-Solar Hours

 $<sup>*</sup>Source: RLDCs \ for \ solar \ connected \ to \ ISTS; SLDCs \ for \ embedded \ solar. \ Limited \ visibility \ of \ embedded \ solar \ data.$ 

## INTER-REGIONAL EXCHANGES

Import=(+ve) /Export =(-ve) for NET (MU)
Date of Reporting: 22-Jan-2024

SIND   Voltage Level   Line Details   No. of Circuit   Max Import (MW)   Max Export (MW)   Import (MU)   Export (MU)	0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   1.1   1.1   1.1   0.0   0.0   0.0   1.5.7   1.5.7   1.5.7   0.0   0.0   0.0   1.1
1   IVIDC   ALPURDIAR-AGRA   2   0   0   0.0   0.0   2   HYDC   PRANTIL BB   .	0
1   IVIDC   ALPURDIAR-AGRA   2   0   0   0.0   0.0   2   HYDC   PRANTIL BB   .	0
3   765 kV   GAYA-VARANSI   2   0   930   0,0   16.2   4   765 kV   SASARM-ATTERIPER   1   0   5.51   0.0   9.8   5   765 kV   SASARM-ATTERIPER   1   0   5.51   0.0   9.8   5   765 kV   SASARM-ATTERIPER   1   0   9.3   0.0   15.7   7   400 kV   FINALL   ALLAHAM   1   0   9.3   0.0   0.1   8   400 kV   FINALL   ALLAHAM   1   0   0.3   0.0   0.1   1   8   400 kV   FINALL   ALLAHAM   1   2   0   6.0   0.0   0.1   1   8   400 kV   FINALL   ALLAHAM   1   2   0   6.0   0.0   1.3   1   10   400 kV   FINALL   ALLAHAM   2   0   0   600   0.0   1.3   1   10   400 kV   FINALL   ALLAHAM   2   0   0   7.3   0.0   1.3   1   10   400 kV   FINALL   ALLAHAM   2   0   0   7.3   0.0   1.3   1   11   400 kV   BIALASHAM   2   0   0   4.2   0.0   6.6   1   12   400 kV   BIALASHAM   ALLAHAM   2   0   0   4.2   0.0   6.6   1   13   400 kV   BIALASHAM   FINALL   R.   2   0   6.6   0.0   7.3   1   14   20 kV   SAULPURK RARMANSA   1   0   0   0.0   0.0   1   15   132 kV   SAULPURK RARMANSA   1   0   0   0.0   0.0   0.0   1   16   132 kV   GARWAHAM RIBAD   1   0   0   0   0.0   0.0   0.0   1   17   132 kV   GARWAHAM RIBAD   1   0   0   0   0.0   0.0   0.0   1   1   132 kV   KARMAMASAMURUR   1   0   0   0   0.0   0.0   0.0   1   1   132 kV   GARWAHAM RIBAD   1   0   0   0   0.0   0.0   0.0   1   1   132 kV   KARMAMASAMURUR   1   0   0   0   0.0   0.0   0.0   0.0   1   1   1   1   1   1   1   0   0   0	0
4   765 kV   SASARAM-FATERPUR   1   0   531   0.0   9.8	11
S	3
6   400 kV   PISAULI-VARANSI   1   22   29   0.0   0.1     7   400 kV   PISAULI-ALLAHABAD   1   0   73   0.0   1.1     8   400 kV   PISAULI-ALLAHABAD   1   0   73   0.0   1.1     8   400 kV   PISAULI-ALLAHABAD   1   0   573   0.0   1.1     8   400 kV   PISAULI-ALLAHABAD   1   0   549   0.0   1.0     9   400 kV   PISAULI-ALLAHABAD   2   0   549   0.0   1.0     10   400 kV   PISAULI-ALLAHABAD   2   0   549   0.0   1.0     11   400 kV   PISAULI-ALLAHABAD   2   0   0   542   0.0   1.5     12   400 kV   PISAULI-ALLAHABAD   2   0   0   522   0.0   1.6     13   400 kV   MOTHABACOBARITCR   2   0   0   622   0.0   1.0     14   220 kV   SAHUPIR-KARANNASA   1   0   0   124   0.0   1.7     15   132 kV   NAGAR UNTARRHAND   1   0   0   0   0.0   0.0     15   132 kV   NAGAR UNTARRHAND   1   0   0   0   0.0   0.0     18   132 kV   RABMANASA-SAHUPUR   1   0   0   0   0.0   0.0     18   132 kV   RABMANASA-SAHUPUR   1   0   0   0   0.0   0.0     19   15   132 kV   RABMANASA-SAHUPUR   1   0   0   0   0.0   0.0     18   132 kV   RABMANASA-SAHUPUR   1   0   0   0   0.0   0.0     19   1   7   732 kV   JARASEGO   PISAULI   1   0   0   0   0.0   0.0      18   132 kV   JARASEGO   PISAULI   1   0   0   0   0.0   0.0     19   1   7   732 kV   JARASEGO   PISAULI   1   0   0   0   0.0   0.0      10   1   7   732 kV   JARASEGO   PISAULI   1   0   0   0   0.0   0.0      10   1   7   732 kV   JARASEGO   PISAULI	9
8   400 kV   MUZAFFARTIRE,GORAKHTUR   2   0   849   0.0   10.8   9   400 kV   PATNABALIA   2   0   690   0.0   11.1   10   400 kV   PATNABALIA   2   0   722   0.0   13.8   11   400 kV   BHARSHARIAFRABALIA   2   0   722   0.0   13.8   12   400 kV   BHARSHARIAFRABALIA   2   0   432   0.0   6.6   13   400 kV   BHARSHARIAFRABALIA   2   0   622   0.0   10.7   14   222 kV   800 kW	9
9   440 KV   PATNA-BALIA   2   0   699   0.0   13.1     10   400 KV   ANDATPURBALIA   2   0   732   0.0   13.8     11   400 KV   ANDATPURBALIA   2   0   432   0.0   6.6     12   400 KV   ANDATPURBALIA   2   0   432   0.0   6.6     12   400 KV   MINIBARISHARIFBALIA   2   0   443   0.0   7.7     13   400 KV   BIHARSHARIFFBALIA   2   0   443   0.0   7.7     14   400 KV   BIHARSHARIFYARANASI   2   0   443   0.0   7.7     15   400 KV   BIHARSHARIFYARANASI   2   0   443   0.0   7.7     16   200 K   SARUFURRARAMANASA   1   0   124   0.0   0.0     16   132 KV   GARWAILBHIAND   1   39   0   0   0.6   0.0     17   132 KV   GARWAILBHIAND   1   0   0   0.0   0.0   0.0     18   132 KV   KARNANASA-RIPURI   1   0   0   0   0.0   0.0     18   132 KV   KARNANASA-RIPURI   1   0   0   0   0.0   0.0     19   1   765 KV   HIRASHGUDADHIA   1   0   0   0   0.0   0.0      10   1   765 KV   HIRASHGUDADHIA   1   0   0   1547   0.0   242     2   765 KV   HIRASHGUDADHIA   2   826   814   0.0   6.9     3   765 KV   HIRASHGUDADHIA   2   826   814   0.0   6.9     4   400 KV   BIHASHGUDADHIA   4   0   660   0.0   11.0     5   400 KV   RANGHUSHA   2   170   288   0.0   3.0     6   220 KV   BUDHIPADRARAGARI   2   170   288   0.0   3.0     6   220 KV   BUDHIPADRARAGARI   1   3   119   0.0   1.5     7   200 KV   BUDHIPADRARAGARI   2   170   288   0.0   3.0     6   220 KV   BUDHIPADRARAGARI   1   3   119   0.0   1.5     1   10 KV   1	0
10   400 kV   NAURATPURABAIA   2   0   7.32   0.0   1.1.8     11   400 kV   BIRASHARIFABIA   2   0   432   0.0   6.6     12   400 kV   BIRASHARIFABIA   2   0   622   0.0   10.7     13   400 kV   BIRASHARIFABIA   2   0   622   0.0   10.7     14   220 kV   BIRASHARIFABANAS   2   0   643   0.0   7.9     14   220 kV   SAHUTUR-KARAMASA   1   0   124   0.0   1.9     14   220 kV   SAHUTUR-KARAMASA   1   0   124   0.0   1.9     15   15   15   15   15   15   15	2
12	2
13	3
14   220 kV   SAHUPURI-KARAMNASA	4 0.0 1.9 -1.9 -1.9
15	0.0
12	0.0
18	ER-NR 0.6 108.6 -108.0  ER-NR 0.6 108.6 -108.0  47 0.0 24.2 -24.2  4 0.0 6.9 -6.9  0 0.0 11.0 -11.0  8 0.0 3.0 -3.0  9 0.0 1.5 -1.5  6 0.0 1.1 -1.1  ER-WR 0.0 62.6 -62.6  0 0.0 15.2 -15.2  1 0.0 0.0 45.2 -45.2  44.6 0.0 0.0 44.6  0 0.0 0.0 -45.2 -45.2  1 44.6 0.0 0.0 -44.6  1 0.0 0.0 0.0 -45.2  1 1.1 1.1  ER-SR 0.0 60.3 -60.3  ER-SR 0.0 60.3 -60.3  ER-SR 0.0 59.0 -59.0  1 15.7 NER-NR 15.7 0.0 15.7  NER-NR 15.7 0.0 12.1  4 0.0 21.4 -21.4  54 0.0 21.4 -21.4  54 0.0 21.8 -21.8  57 0.0 21.6 -21.6  57 0.0 21.6 -21.6  66 8.0 21.6 -21.6
Import/Export of ER (With WR)	ER-NR
1	47
2	4
3	0
4	0 0 0.0 11.0 -11.0 8 0.0 3.0 -3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0
S	8
Total	6 0.0 1.1 -1.1 -1.1 ER-WR 0.0 62.6 -62.6
Import/Export of ER (With SR)   1	ER-WR         0.0         62.6         -62.6           0         0.0         15.2         -15.2           0.0         0.0         0.0         0.0           42         0.0         45.2         -45.2           44.6         0.0         0.0         0.0           ER-SR         0.0         60.3         -60.3           1         1.2         0.1         1.1           1         6.6         0.0         6.6           1.3         0.0         1.3           ER-NER         9.0         0.1         9.0           15.7         0.0         15.7           NER-NR         15.7         0.0         15.7           NER-NR         15.7         0.0         15.7           98         0.0         59.0         -59.0           12.1         0.0         12.1           4         0.0         21.4         -21.4           54         0.0         45.9         -45.9           97         0.0         21.8         -21.8           92         0.0         35.3         -35.3           16.0         0.0         16.0           6
Import/Export of ER (With SR)	0 0.0 0.0 15.2 -15.2 0.0 0.0 12.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
HVDC   JEYPORE-GAZUWAKA B/B	0.0   0.0   0.0   0.0   0.0   122   0.0   45.2   -45.2   44.6   0.0   44.6   0.0
2	0.0   0.0   0.0   0.0   0.0   122   0.0   45.2   -45.2   44.6   0.0   44.6   0.0
A	### ### ##############################
The color of the	0.0   0.0   0.0   0.0
Table   Tabl	ER-SR 0.0 60.3 -60.3  1 1.2 0.1 1.1  6.6 0.0 6.6 0.0 6.6  1.3 0.0 1.3  ER-NER 9.0 0.1 9.0  15.7 0.0 15.7  NER-NR 15.7 0.0 15.7  NER-NR 15.7 0.0 15.7  12.1 0.0 12.1  4 0.0 21.4 -21.4  54 0.0 45.9 -45.9  17 0.0 21.8 -21.8  18 0.0 35.3 -35.3  16 0 0.0 16.0  16 0 0.0 16.0  17 0.0 21.6 -21.6  8.0 2.1 5.9
Import/Export of ER (With NER)	1.2
1	6.6   0.0   6.6   1.3   0.0   1.3   ER-NER   9.0   0.1   9.0
2   400 kV   ALIPURDUAR-BONGAIGAON   2   597   0   6.6   0.0     3   220 kV   ALIPURDUAR-SALAKATI   2   102   0   1.3   0.0     ER-NER   9.0   0.1     Import/Export of NER (With NR)	6.6   0.0   6.6     1.3   0.0   1.3     ER-NER   9.0   0.1   9.0     15.7   0.0   15.7     NER-NR   15.7   0.0   15.7     NER-NR   15.7   0.0   15.7     12.1   0.0   12.1     4   0.0   21.4   -21.4     54   0.0   45.9   -45.9     17   0.0   21.8   -21.8     16.0   0.0   16.0     16.0   57   0.0   16.0     16.0   6   8.0   2.1   5.9     17   18   18   18     18   18   18     19   18   18     19   18   18     10   18   18     11   18   18     12   18     13   16   16     14   16     15   16     16   16     17   16     18   17     18   18     18   18     18   18     18   18
Import/Export of NER (With NR)	ER-NER         9.0         0.1         9.0           15.7         0.0         15.7           NER-NR         15.7         0.0         15.7           98         0.0         59.0         -59.0           12.1         0.0         12.1           4         0.0         21.4         -21.4           54         0.0         45.9         -45.9           97         0.0         21.8         -21.8           92         0.0         35.3         -35.3           16.0         0.0         16.0           57         0.0         21.6         -21.6           6         8.0         2.1         5.9
Import/Export of NER (With NR)	15.7 0.0 15.7  NER-NR 15.7 0.0 15.7  0.0 15.7  0.0 15.7  0.0 15.7  0.0 15.7  0.0 15.7  0.0 12.1  4 0.0 12.1  4 0.0 21.4 -21.4  -21.4  -21.4  -21.4  -21.8  0.0 21.8 -21.8  0.0 35.3 -35.3  16.0 0.0 16.0  57 0.0 21.6 -21.6  6 8.0 2.1 5.9
HVDC   BISWANATH CHARIALI-AGRA   2   662   0   15.7   0.0	NER-NR         15.7         0.0         15.7           98         0.0         59.0         -59.0           12.1         0.0         12.1           4         0.0         21.4         -21.4           54         0.0         45.9         -45.9           97         0.0         21.8         -21.8           92         0.0         35.3         -35.3           16.0         0.0         16.0           67         0.0         21.6         -21.6           6         8.0         2.1         5.9
Import/Export of WR (With NR)   1	NER-NR         15.7         0.0         15.7           98         0.0         59.0         -59.0           12.1         0.0         12.1           4         0.0         21.4         -21.4           54         0.0         45.9         -45.9           97         0.0         21.8         -21.8           92         0.0         35.3         -35.3           16.0         0.0         16.0           67         0.0         21.6         -21.6           6         8.0         2.1         5.9
Import/Export of WR (With NR)   1	08         0.0         59.0         -59.0           12.1         0.0         12.1           4         0.0         21.4         -21.4           54         0.0         45.9         -45.9           97         0.0         21.8         -21.8           92         0.0         35.3         -35.3           16.0         0.0         16.0           67         0.0         21.6         -21.6           6         8.0         2.1         5.9
1         HVDC         CHAMPA-KURUKSHETRA         2         0         3998         0.0         59.0           2         HVDC         VINDHYACHAL B/B         -         430         0         12.1         0.0           3         HVDC         MUNDRA-MOHINDERGARH         2         0         914         0.0         21.4           4         765 kV         GWALIOR-GRA         2         0         3154         0.0         45.9           5         765 kV         GWALIOR-PHAGI         2         0         1307         0.0         21.8           6         765 kV         JABALPUR-ORAI         2         0         1392         0.0         35.3           7         765 kV         GWALIOR-ORAI         1         945         0         16.0         0.0           8         765 kV         SATNA-ORAI         1         0         1167         0.0         21.6           9         765 kV         BANASKANTHA-CHITORGARH         2         876         776         8.0         2.1	12.1 0.0 12.1 4 0.0 21.4 -21.4 54 0.0 45.9 -45.9 177 0.0 21.8 -21.8 102 0.0 35.3 -35.3 16.0 0.0 16.0 57 0.0 21.6 -21.6 6 8.0 2.1 5.9
2         HVDC         VINDHYACHAL B/B         -         430         0         12.1         0.0           3         HVDC         MUNDRA-MOHINDERGARH         2         0         914         0.0         21.4           4         765 kV         GWALIOR-AGRA         2         0         3154         0.0         45.9           5         765 kV         GWALIOR-PHAGI         2         0         1307         0.0         21.8           6         765 kV         JABALPUR-ORAI         2         0         1392         0.0         35.3           7         765 kV         GWALIOR-ORAI         1         945         0         16.0         0.0           8         765 kV         SATNA-ORAI         1         0         1167         0.0         21.6           9         765 kV         BANASKANTHA-CHITORGARH         2         876         776         8.0         2.1	4         0.0         21.4         -21.4           54         0.0         45.9         -45.9           97         0.0         21.8         -21.8           92         0.0         35.3         -35.3           16.0         0.0         16.0           67         0.0         21.6         -21.6           6         8.0         2.1         5.9
4         765 kV         GWALIOR-AGRA         2         0         3154         0.0         45.9           5         765 kV         GWALIOR-PHAGI         2         0         1307         0.0         21.8           6         765 kV         JABALPUR-ORAI         2         0         1392         0.0         35.3           7         765 kV         GWALIOR-ORAI         1         945         0         16.0         0.0           8         765 kV         SATNA-ORAI         1         0         1167         0.0         21.6           9         765 kV         BANASKANTHA-CHITORGARH         2         876         776         8.0         2.1	54         0.0         45.9         -45.9           07         0.0         21.8         -21.8           22         0.0         35.3         -35.3           16.0         0.0         16.0           57         0.0         21.6         -21.6           6         8.0         2.1         5.9
5         765 kV         GWALIOR-PHAGI         2         0         1307         0.0         21.8           6         765 kV         JABALPUR-ORAI         2         0         1392         0.0         35.3           7         765 kV         GWALIOR-ORAI         1         945         0         16.0         0.0           8         765 kV         SATNA-ORAI         1         0         1167         0.0         21.6           9         765 kV         BANASKANTHA-CHITORGARH         2         876         776         8.0         2.1	07         0.0         21.8         -21.8           02         0.0         35.3         -35.3           16.0         0.0         16.0           67         0.0         21.6         -21.6           6         8.0         2.1         5.9
6         765 kV         JABALPUR-ORAI         2         0         1392         0.0         35.3           7         765 kV         GWALIOR-ORAI         1         945         0         16.0         0.0           8         765 kV         SATNA-ORAI         1         0         1167         0.0         21.6           9         765 kV         BANASKANTHA-CHITORGARH         2         876         776         8.0         2.1	02     0.0     35.3     -35.3       16.0     0.0     16.0       57     0.0     21.6     -21.6       6     8.0     2.1     5.9
8         765 kV         SATNA-ORAI         1         0         1167         0.0         21.6           9         765 kV         BANASKANTHA-CHITORGARH         2         876         776         8.0         2.1	67 0.0 21.6 -21.6 66 8.0 2.1 5.9
9 765 kV BANASKANTHA-CHITORGARH 2 876 776 8.0 2.1	6 8.0 2.1 5.9
10         765 kV         VINDHYACHAL-VARANASI         2         0         2988         0.0         44.8	
11         400 kV         ZERDA-KANKROLI         1         136         163         0.9         0.6	
12         400 kV         ZERDA -BHINMAL         1         422         405         2.2         2.1           13         400 kV         VINDHYACHAL -RIHAND         1         974         0         21.9         0.0	
13         400 kV         VINDHYACHAL-RIHAND         1         974         0         21.9         0.0           14         400 kV         RAPP-SHUJALPUR         2         102         742         0.2         6.3	
15 220 kV BHANPURA-RANPUR 1 165 115 1.1 0.4	
16         220 kV         BHANPURA-MORAK         1         0         30         0.0         1.3	
17         220 kV         MEHGAON-AURAIYA         1         77         14         0.8         0.0           18         220 kV         MALANPUR-AURAIYA         1         43         40         0.3         0.1	
20 132 kV RAJGHAT-LALITPUR 2 0 0 0.0 0.0	0.3 0.1 0.2
	0 0.3 0.1 0.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0
Import/Export of WR (With SR)	0 0.3 0.1 0.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0
	0.3 0.1 0.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 WR-NR 63.5 262.7 -199.2
	0 0.3 0.1 0.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
4 765 kV WARDHA-NIZAMABAD 2 0 2518 0.0 31.4	0 0.3 0.1 0.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
5 765 kV WARORA-WARANGAL(NEW) 2 0 2463 0.0 30.1	0.3 0.1 0.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
V 100 H. HOLIMI CHI HOLO	0 0.3 0.1 0.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
	0.3 0.1 0.2 0.1 0.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
9 220 kV XELDEM-AMBEWADI 1 1 0 0.0 0.0	0 0.3 0.1 0.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
WR-SR 23.9 147.7	0.3 0.1 0.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
INTERNATIONAL EXCHANGES Impo	0.3 0.1 0.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
INTERNATIONAL EACHANGES IMD6	0.3 0.1 0.2 0.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
	0.3 0.1 0.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
State Region Line Name Max (MW) Min (MW) Avg (MW)	0.3 0.1 0.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
State Region Line Name Max (MW) Min (MW) Avg (MW)  400kV MANGDECHHU-ALIPURDUAR 1,2&3 i.e.	0.3 0.1 0.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
State         Region         Line Name         Max (MW)         Min (MW)         Avg (MW)           400kV MANGDECHHU-ALIPURDUAR 1,2&3 i.e.         400kV MANGDECHHU-ALIPURDUAR 1,2&3 i.e.         -244         3         -166           ER         ALIPURDUAR RECEIPT (from MANGDECHU HEP 4*180MW)         -244         3         -166	0.3 0.1 0.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
State   Region   Line Name   Max (MW)   Min (MW)   Avg (MW)	0.3 0.1 0.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
State   Region   Line Name   Max (MW)   Min (MW)   Avg (MW)	0.3 0.1 0.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
State   Region   Line Name   Max (MW)   Min (MW)   Avg (MW)	0.3 0.1 0.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
State   Region   Line Name   Max (MW)   Min (MW)   Avg (MW)	0.3
State   Region   Line Name   Max (MW)   Min (MW)   Avg (MW)	0.3
State   Region   Line Name   Max (MW)   Min (MW)   Avg (MW)	0.3
State   Region   Line Name   Max (MW)   Min (MW)   Avg (MW)	0.3
State   Region   Line Name   Max (MW)   Min (MW)   Avg (MW)	0.3
State   Region   Line Name   Max (MW)   Min (MW)   Avg (MW)	0.3
State   Region   Line Name   Max (MW)   Min (MW)   Avg (MW)	0.3
State   Region   Line Name   Max (MW)   Min (MW)   Avg (MW)	0.3
State   Region   Line Name   Max (MW)   Min (MW)   Avg (MW)	0.3
State   Region   Line Name   Max (MW)   Min (MW)   Avg (MW)	0.0
State   Region   Line Name   Max (MW)   Min (MW)   Avg (MW)	0.3
State   Region   Line Name   Max (MW)   Min (MW)   Avg (MW)	0.3
State   Region   Line Name   Max (MW)   Min (MW)   Avg (MW)	0.3
State   Region   Line Name   Max (MW)   Min (MW)   Avg (MW)	0.3
State   Region   Line Name   Max (MW)   Min (MW)   Avg (MW)	0.3
State   Region   Line Name   Max (MW)   Min (MW)   Avg (MW)	0.3
State   Region   Line Name   Max (MW)   Min (MW)   Avg (MW)	0.3
State   Region   Line Name   Max (MW)   Min (MW)   Avg (MW)	0.3
State   Region   Line Name   Max (MW)   Min (MW)   Avg (MW)	0.3
State   Region   Line Name   Max (MW)   Min (MW)   Avg (MW)	0.3
State   Region   Line Name   Max (MW)   Min (MW)   Avg (MW)	0.3
State   Region   Line Name   Max (MW)   Min (MW)   Avg (MW)	0.3

## CROSS BORDER EXCHANGE SCHEDULE

Date of Reporting: 22-Jan-2024

**Export From India (in MU)** 

		T-GNA							
Country	GNA (ISGS/PPA)	COLLECTIVE							7
		BILATERAL	IDAM			RTM			TOTAL
		TOTAL	IEX	PXIL	HPX	IEX	PXIL	HPX	1
Bhutan	0.00	0.00	12.14	0.00	0.00	0.66	0.00	0.00	12.80
Nepal	0.23	0.00	7.89	0.00	0.00	0.31	0.00	0.00	8.43
Bangladesh	16.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16.04
Myanmar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Export	16.27	0.00	20.03	0.00	0.00	0.97	0.00	0.00	37.27

Import by India(in MU)

		T-GNA							
	GNA (ISGA/PPA)		COLLECTIVE						
Country		BILATERAL TOTAL	IDAM			RTM			TOTAL
			IEX	PXIL	HPX	IEX	PXIL	HPX	
Bhutan	0.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47
Nepal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bangladesh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Myanmar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Import	0.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47

	GNA		COLLECTIVE						
Country	(ISGS/PPA)	BILATERAL	IDAM			RTM			TOTAL
		TOTAL	IEX	PXIL	HPX	IEX	PXIL	HPX	
Bhutan	0.47	0.00	-12.14	0.00	0.00	-0.66	0.00	0.00	-12.33
Nepal	-0.23	0.00	-7.89	0.00	0.00	-0.31	0.00	0.00	-8.43
Bangladesh	-16.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-16.04
Myanmar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Net	-15.80	0.00	-20.03	0.00	0.00	-0.97	0.00	0.00	-36.80