

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

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

Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 17th 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 16.01.2024.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 16-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 16th January 2024, is available at the NLDC website.

धन्यवाद,

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



Report for previous day

A. Power Supply Position at All India and Regional level

Date of Reporting: 17-Jan-2024

A. I ower Supply I ostubil at All Illula and Regional I	CVCI					
	NR	WR	SR	ER	NER	TOTAL
Demand Met during Evening Peak hrs(MW) (at 19:00 hrs; from RLDCs)	61093	61469	40482	21155	2557	186756
Peak Shortage (MW)	526	0	0	919	36	1481
Energy Met (MU)	1281	1467	1041	447	45	4281
Hydro Gen (MU)	94	42	46	22	10	214
Wind Gen (MU)	4	28	27	-	-	59
Solar Gen (MU)*	110.37	67.98	111.99	3.08	0.84	294
Energy Shortage (MU)	9.44	0.27	0.00	5.04	0.35	15.10
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	65633	73353	54277	22144	2598	215183
Time Of Maximum Demand Met	10:28	10:12	09:31	18:51	17:57	10:28

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	0.042	0.00	0.28	8 51	8 78	74.08	17 14

C. Power Supply Position in States

		Max.Demand	Shortage during	Energy Met	Drawal	OD (+)/ UD (-)	Max OD	Energy
Region	States	Met during the	maximum	(MU)	Schedule	(MU)	(MW)	Shortage (MU)
		day (MW)	Demand (MW)	(MU)	(MU)	(MU)	(IVI VV)	
	Punjab	8766	0	164.6	57.5	0.9	206	0.00
	Haryana	9135	0	167.5	100.4	0.1	124	0.85
	Rajasthan	17458	0	328.7	117.8	-0.7	313	0.97
	Delhi	5376	0	91.9	76.9	0.2	283	0.00
NR	UP	20591	360	370.6	127.3	-0.2	856	6.77
	Uttarakhand	2315	80	46.5	36.0	0.6	200	0.52
	HP	2109	1	37.6	32.3	0.7	145	0.00
	J&K(UT) & Ladakh(UT)	2990	0	65.6	60.7	0.6	301	0.33
	Chandigarh	328	0	5.4	5.0	0.4	86	0.00
	Railways_NR ISTS	171	0	3.2	3.1	0.1	42	0.00
	Chhattisgarh	5159	86	107.1	53.5	0.5	284	0.27
	Gujarat	20628	0	405.6	151.5	-0.5	1513	0.00
	MP	16723	0	308.7	182.1	-3.9	1171	0.00
WR	Maharashtra	27573	0	572.6	176.9	2.5	1509	0.00
	Goa	674	0	12.6	12.4	-0.2	74	0.00
	DNHDDPDCL	1260	0	28.8	28.6	0.2	55	0.00
	AMNSIL	851	0	19.0	10.1	-0.2	240	0.00
	BALCO	521	0	12.4	12.5	-0.1	520	0.00
	Andhra Pradesh	10710	0	190.5	64.1	-2.6	278	0.00
	Telangana	13229	0	242.4	113.2	-0.7	522	0.00
\mathbf{SR}	Karnataka	15100	0	277.5	119.0	0.3	790	0.00
	Kerala	4166	0	82.3	64.7	0.6	444	0.00
	Tamil Nadu	12191	0	242.5	132.4	-1.2	478	0.00
	Puducherry	276	0	5.9	6.3	-0.5	16	0.00
	Bihar	5110	66	100.0	95.1	1.1	319	2.64
	DVC	3383	0	70.1	-47.7	-0.2	256	0.00
	Jharkhand	1653	113	31.6	23.1	-1.4	260	2.40
$\mathbf{E}\mathbf{R}$	Odisha	5082	0	98.8	24.5	-3.0	294	0.00
	West Bengal	6897	0	144.4	28.2	-1.7	221	0.00
	Sikkim	123	0	2.0	2.0	0.0	18	0.00
	Railways_ER ISTS	0	0	0.0	0.1	-0.1	4	0.00
<u> </u>	Arunachal Pradesh	166	0	2.4	2.9	-0.6	27	0.00
	Assam	1426	0	25.0	19.7	0.6	141	0.00
	Manipur	205	0	3.1	2.9	0.2	51	0.05
NER	Meghalaya	331	36	6.4	5.0	-0.1	58	0.30
	Mizoram	155	0	1.8	1.6	-0.1	23	0.00
	Nagaland	140	0	2.3	2.2	0.0	24	0.00
	Tripura	226	0	4.0	3.1	-0.4	14	0.00

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

	Bhutan	Nepal	Bangladesh	Godda -> Bangladesh
Actual (MU)	-10.6	-8.1	-20.7	-25.7
Day Peak (MW)	-700.0	-413.0	-1013.0	-1334.3

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

E. Import Export by Regions (in Me) - Import (170)	Export(-ve), OD(1)/(0)				
	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	301.3	-248.5	76.4	-133.1	3.9	0.0
Actual(MU)	310.0	-252.1	69.4	-137.0	2.7	-7.0
O/D/IJ/D(MIJ)	9.7	3.6	-6.0	-3.0	-1.2	7.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	7697	9072	4068	4766	452	26055	50
State Sector	6576	10100	4955	4351	302	26283	50
Total	14273	19172	9023	9117	754	52339	100

G. Sourcewise generation (Gross) (MU)

G. Sourcewise generation (Gross) (MU)							
	NR	WR	SR	ER	NER	All India	% Share
Coal	757	1624	701	644	11	3737	80
Lignite	30	20	61	0	0	110	2
Hydro	94	42	46	22	10	214	5
Nuclear	26	24	71	0	0	122	3
Gas, Naptha & Diesel	17	32	5	0	26	81	2
RES (Wind, Solar, Biomass & Others)	137	99	162	4	1	404	9
Total	1061	1842	1046	671	48	4668	100
Share of RES in total generation (%)	12.94	5.39	15.50	0.66	1.76	8.65	
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	24.26	8.99	26.66	3.97	23.67	15.85	

Н.	All	India	Den	and D	iversity	Factor	
•	_	_	•	117	1		 7

H. All India Demand Diversity Factor	
Based on Regional Max Demands	1.013
Based on State Max Demands	1.037

I. All India Peak	Demand an	d shortage at Solar and	Non-Solar Hour
	,	117 (7 7777)	

	Max Demand Met(MW)	Time	Shortage(MW)
Solar hr	215183	10:28	1693
Non-Solar hr	194692	17:00	939

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

 $[*]Source: RLDCs \ for \ solar \ connected \ to \ ISTS; SLDCs \ for \ embedded \ solar. \ Limited \ visibility \ of \ embedded \ solar \ data.$

INTER-REGIONAL EXCHANGES

Import=(+ve) /Export =(-ve) for NET (MU)
Date of Reporting: 17-Jan-2024

No Voltage Level Line Details No. of Circuit Max Import (MV) Max Export (MW) Import (MU) Export (MU)	2
HVDC PISAUL BB - 0 0 0 0 0 0 0 1.2	- 0 49 0.0 1.2 -1.2 -1.2
HVDC PISAUL BB - 0 0 0 0 0 0 0 1.2	- 0 49 0.0 1.2 -1.2 -1.2 2 0 780 0.0 118 -1118 1 0 434 0.0 7.2 -7.2 -7.2 -7.2 1 1 0 845 0.0 14.9 -14.9 1 1 15 35 0.0 0.4 0.4 0.4 1 1 6 51 0.0 0.8 4.8 2 0 587 0.0 0.1 1.6 -11.6 2 0 585 0.0 11.6 -11.6 2 0 612 0.0 12.1 -12.1 -12.1 2 0 500 0.0 9.2 -9.2 2 0 500 0.0 9.2 -9.2 2 0 319 0.0 0.2 -2.6 -2.6 1 0 139 0.0 1.6 -1.6 -1.6 1 0 0 0.1 0.0 0.1 1 0 0 0.0 0.0 0.0 0.0 1 0 0 0.0 0.0 0.0 0.0 1 0 0 0.0 0.0 0.0 0.0 0.0 1 0 0 0.0 0.0 0.0 0.0 0.0 ER-NR 0.5 86.5 86.0 4 228 1139 0.0 10.0 -10.0 2 1008 189 8.2 0.0 8.2 2 2 0 564 0.0 10.0 -10.0 4 0 644 0.0 10.0 -10.0 2 2 2 2 3 30 0 3.3 -3.3 2 2 40 113 0.0 1.5 -1.5 2 2 40 191 0.0 0.3 -3.3 -7.3 -7.3 2 2 40 1979 0.0 35.6 35.6 35.6 2 40 1979 0.0 35.5 38.2 2 40 1979 0.0 35.5 38.2 2 40 1979 0.0 35.5 38.2 2 40 1979 0.0 35.5 35.6 35.6 2 40 1851 0.0 83.0 83.0 ER-NR 14.2 0.0 14.2 ER-NER 10.9 0.1 10.8 ER-NER 10.9 0.1 10.8
2	2
4	1
S 765 kV GAYA-BALIA	1
1	1
Total	1
9 400 kV PATA-BALIA	2
10	2
11 400 kV BIHARSHARF-BALIA 2 0 297 0.0 4.9 12 400 kV BIHARSHARF-BALIA 2 0 500 0.0 9.2 13 400 kV BIHARSHARF-VARANSH 2 0 319 0.0 2.6 14 220 kV SAHUPURI-KARAMNASA 1 0 139 0.0 1.6 15 132 kV NAGAR UNTAR-RIHAND 1 0 0 0 0.1 0.0 16 132 kV GARWAHRHAND 1 1 0 0 0 0.1 0.0 16 132 kV KARMANASA-SHUPURI 1 0 0 0 0.0 0.0 18 132 kV KARMANASA-SHUPURI 1 0 0 0 0.0 0.0 18 132 kV KARMANASA-CHANDAULI 1 0 0 0 0.0 0.0 18 132 kV KARMANASA-CHANDAULI 1 0 0 0 0.0 0.0 19 ER-NR 0.5 86.5 Import/Export of ER (With WR)	2
12	2
13	2
132 kV NAGAR UNTARI-RIHAND	1
16	1
132 kV KARMANASA-SAHPURI	1
18 132 kV KARMANASA-CHANDAULI	ER-NR 0.5 86.5 -86.0 4
Import/Export of ER (With WR)	ER-NR 0.5 86.5 -86.0 4
Import/Export of ER (With WR)	4
1	2
2	2
3	2
5 400 kV RANCHI-SIPAT 2 200 191 0.0 0.3 6 220 kV BUDHIPADAR-RAIGARH 1 0 113 0.0 1.5 7 220 kV BUDHIPADAR-KORBA 2 65 78 0.1 0.0 ER-WR 8.3 32.4 Import/Export of ER (With SR) 1 HVDC JEYPORE-GAZUWAKA B/B 2 0 330 0.0 7.3 2 HVDC TALCHER-KOLAR BIPOLE 2 0 1851 0.0 83.0 3 765 kV ANGU-SRIKAKULAM 2 0 1979 0.0 35.6 4 400 kV TALCHER-I/C 2 408 89 0.0 38.2 5 220 kV BALIMELA-UPPER-SILERRU 1 0 0 0.0 0.0 Import/Export of ER (With NER) 1 400 kV BINAGURI-BONGAIGAON 2 132 79 1.6 0.1 2	2
6 220 kV BUDHIPADAR-RAIGARH 1 0 113 0.0 1.5 7 220 kV BUDHIPADAR-KORBA 2 65 78 0.1 0.0 ER-WR 8.3 32.4 Import/Export of ER (With SR) 1 HVDC JEYPORE-GAZUWAKA B/B 2 0 330 0.0 7.3 2 HVDC TALCHER-KOLAR BIPOLE 2 0 1851 0.0 83.0 3 765 kV ANGUL-SRIKAKULAM 2 0 1979 0.0 35.6 4 400 kV TALCHER-I/C 2 408 89 0.0 35.6 5 220 kV BALIMELA-UPPER-SILERRU 1 0 0 0.0 38.2 5 220 kV BINAGURI-BONGAIGAON 2 132 79 1.6 0.1 2 400 kV ALIPURDUAR-BONGAIGAON 2 515 70 7.6 0.0 3 220 kV ALIPURDUAR	1
Tolerand	2 65 78 0.1 0.0 0.1
Ten	ER-WR 8.3 32.4 -24.1 2
Import/Export of ER (With SR)	2 0 330 0.0 7.3 -7.3 -7.3 -7.3
1	2 0 1851 0.0 83.0 -83.0 2 0 1979 0.0 35.6 -35.6 2 408 89 0.0 38.2 -38.2 1 0 0 0.0 0.0 0.0 ER-SR 0.0 125.9 -125.9 2 132 79 1.6 0.1 1.6 2 515 70 7.6 0.0 7.6 2 104 0 1.7 0.0 1.7 ER-NER 10.9 0.1 10.8 2 657 0 14.2 0.0 14.2 NER-NR 14.2 0.0 14.2 2 0 5025 0.0 62.0 -62.0 - 0 482 0.0 3.4 -3.4
2	2 0 1851 0.0 83.0 -83.0 2 0 1979 0.0 35.6 -35.6 2 408 89 0.0 38.2 -38.2 1 0 0 0.0 0.0 0.0 ER-SR 0.0 125.9 -125.9 2 132 79 1.6 0.1 1.6 2 515 70 7.6 0.0 7.6 2 104 0 1.7 0.0 1.7 ER-NER 10.9 0.1 10.8 2 657 0 14.2 0.0 14.2 NER-NR 14.2 0.0 14.2 2 0 5025 0.0 62.0 -62.0 - 0 482 0.0 3.4 -3.4
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Table Tabl	ER-SR 0.0 125.9 -125.9 2
Import/Export of ER (With NER) 1 400 kV BINAGURI-BONGAIGAON 2 132 79 1.6 0.1	2 132 79 1.6 0.1 1.6 2 515 70 7.6 0.0 7.6 2 104 0 1.7 0.0 1.7 ER-NER 10.9 0.1 10.8 2 657 0 14.2 0.0 14.2 NER-NR 14.2 0.0 14.2 2 0 5025 0.0 62.0 -62.0 - 0 482 0.0 3.4 -3.4
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ER-NER 10.9 0.1	ER-NER 10.9 0.1 10.8 2 657 0 14.2 0.0 14.2 NER-NR 14.2 0.0 14.2 2 0 5025 0.0 62.0 -62.0 - 0 482 0.0 3.4 -3.4
Import/Export of NER (With NR) 1	2 657 0 14.2 0.0 14.2 NER-NR
1 HVDC BISWANATH CHARIALI-AGRA 2 657 0 14.2 0.0	NER-NR 14.2 0.0 14.2 2 0 5025 0.0 62.0 -62.0 - 0 482 0.0 3.4 -3.4
	NER-NR 14.2 0.0 14.2 2 0 5025 0.0 62.0 -62.0 - 0 482 0.0 3.4 -3.4
NER-NKI 14.2 I 0.0	2 0 5025 0.0 62.0 -62.0 - 0 482 0.0 3.4 -3.4
Import/Export of WR (With NR)	- 0 482 0.0 3.4 -3.4
	- 0 482 0.0 3.4 -3.4
3 HVDC MUNDRA-MOHINDERGARH 2 0 1913 0.0 42.8	
4 765 kV GWALIOR-AGRA 2 0 2776 0.0 46.4	
	2 0 1326 0.0 20.6 -20.6
	2 0 1186 0.0 36.4 -36.4
	2 0 1186 0.0 36.4 -36.4 1 966 0 15.3 0.0 15.3
10 765 kV VINDHYACHAL-VARANASI 2 0 3537 0.0 57.5	2 0 1186 0.0 36.4 -36.4 1 966 0 15.3 0.0 15.3 1 0 1118 0.0 22.2 -22.2
11 400 kV ZERDA-KANKROLI 1 144 113 1.3 0.2	2 0 1186 0.0 36.4 -36.4 1 966 0 15.3 0.0 15.3 1 0 1118 0.0 22.2 -22.2 2 1037 606 10.7 0.9 9.9
	2 0 1186 0.0 36.4 -36.4 1 966 0 15.3 0.0 15.3 1 0 1118 0.0 22.2 -22.2 2 1037 606 10.7 0.9 9.9 2 0 3537 0.0 57.5 -57.5 1 144 113 1.3 0.2 1.0
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16 220 kV BHANPURA-MORAK 1 1 0 30 0.0 1.1	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
16 220 kV BHANPURA-MORAK 1 0 30 0.0 1.1 17 220 kV MEHGAON-AURAIYA 1 53 13 0.0 0.0	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
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17 220 kV MEHGAON-AURAIYA 1 53 13 0.0 0.0 18 220 kV MALANPUR-AURAIYA 1 32 36 0.6 0.0 19 132 kV GWALIOR-SAWAI MADHOPUR 1 0 0 0.0 0.0	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
17 220 kV MEHGAON-AURAIYA 1 53 13 0.0 0.0 18 220 kV MALANPUR-AURAIYA 1 32 36 0.6 0.0 19 132 kV GWALIOR-SAWAI MADHOPUR 1 0 0 0.0 0.0 20 132 kV RAJGHAT-LALITPUR 2 0 0 0.0 0.0	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
17 220 kV MEHGAON-AURAIYA 1 53 13 0.0 0.0 0.0 18 220 kV MALANPUR-AURAIYA 1 32 36 0.6 0.0 0.0 19 132 kV GWALIOR-SAWAI MADHOPUR 1 0 0 0.0	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
17 220 kV MEHGAON-AURAIYA 1 53 13 0.0 0.0 18 220 kV MALANPUR-AURAIYA 1 32 36 0.6 0.0 19 132 kV GWALIOR-SAWAI MADHOPUR 1 0 0 0.0 0.0 20 132 kV RAJGHAT-LALITPUR 2 0 0 0.0 0.0 WR-NR 55.0 299.5 Import/Export of WR (With SR)	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
17 220 kV MEHGAON-AURAIYA 1 53 13 0.0 0.0 18 220 kV MALANPUR-AURAIYA 1 32 36 0.6 0.0 19 132 kV GWALIOR-SAWAI MADHOPUR 1 0 0 0.0 0.0 20 132 kV RAJGHAT-LALITPUR 2 0 0 0.0 0.0 WR-NR 55.0 299.5 Import/Export of WR (With SR) 1 HVDC BHADRAWATI B/B - 0 307 0.0 7.2	2 0 1186 0.0 36.4 .36.4 1 966 0 15.3 0.0 15.3 1 0 1118 0.0 22.2 -22.2 2 1037 606 10.7 0.9 9.9 2 0 3537 0.0 57.5 -57.5 1 144 113 1.3 0.2 1.0 1 495 337 2.7 1.5 1.2 1 977 0 22.6 0.0 22.6 2 67 541 0.1 4.5 -4.5 1 181 64 1.8 0.0 1.8 1 1 0 30 0.0 1.1 -1.1 1 1 33 0.0 0.0 0.0 0.0 1 1 33 0.0 0.0 0.0 0.0 1 0 30 0.0 0.0 0.0<
17 220 kV MEHGAON-AURAIYA 1 53 13 0.0 0.0 18 220 kV MALANPUR-AURAIYA 1 32 36 0.6 0.0 19 132 kV GWALIOR-SAWAI MADHOPUR 1 0 0 0 0.0 20 132 kV RAJGHAT-LALITPUR 2 0 0 0.0 0.0 WR-NR 55.0 299.5 Import/Export of WR (With SR) 1 HVDC BHADRAWATI B/B - 0 307 0.0 7.2 2 HVDC RAIGARH-PUGALUR 2 0 606 0.0 14.5	2 0 1186 0.0 36.4 .36.4 1 966 0 15.3 0.0 15.3 1 0 1118 0.0 22.2 -22.2 2 1037 606 10.7 0.9 9.9 2 0 3537 0.0 57.5 -57.5 1 144 113 1.3 0.2 1.0 1 495 337 2.7 1.5 1.2 1 977 0 22.6 0.0 22.6 2 67 541 0.1 4.5 -4.5 1 181 64 1.8 0.0 1.8 1 0 30 0.0 1.1 -1.1 1 53 13 0.0 0.0 0.0 1 32 36 0.6 0.0 0.0 0.0 1 0 0 0.0 0.0 0.0 0.0 0
17 220 kV MEHGAON-AURAIYA 1 53 13 0.0 0.0 18 220 kV MALANPUR-AURAIYA 1 32 36 0.6 0.0 19 132 kV GWALIOR-SAWAI MADHOPUR 1 0 0 0.0 0.0 20 132 kV RAJGHAT-LALITPUR 2 0 0 0.0 0.0 WR-NR 55.0 299.5 Import/Export of WR (With SR)	2 0 1186 0.0 36.4 -36.4 1 966 0 15.3 0.0 15.3 1 0 1118 0.0 22.2 -22.2 2 1037 606 10.7 0.9 9.9 2 0 3537 0.0 57.5 -57.5 1 144 113 1.3 0.2 1.0 1 495 337 2.7 1.5 1.2 1 977 0 22.6 0.0 22.6 2 67 541 0.1 4.5 -4.5 1 181 64 1.8 0.0 1.8 1 0 30 0.0 1.1 -1.1 1 53 13 0.0 0.0 0.0 1 32 36 0.6 0.0 0.0 0.0 1 0 0 0.0 0.0 0.0 0.0 0
17 220 kV MEHGAON-AURAIYA 1 53 13 0.0 0.0 18 220 kV MALANPUR-AURAIYA 1 32 36 0.6 0.0 19 132 kV GWALIOR-SAWAI MADHOPUR 1 0 0 0.0 0.0 20 132 kV RAJGHAT-LALITPUR 2 0 0 0.0 0.0 WR-NR 55.0 299.5 Import/Export of WR (With SR) 1 HVDC BHADRAWATI B/B - 0 307 0.0 7.2 2 HVDC RAIGARH-PUGALUR 2 0 606 0.0 14.5 3 765 kV SOLAPUR-RAICHUR 2 1514 796 11.8 1.9 4 765 kV WARDHA-NIZAMABAD 2 233 1818 0.3 21.8	2 0 1186 0.0 36.4 .36.4 1 966 0 15.3 0.0 15.3 1 0 11118 0.0 22.2 -22.2 2 1037 606 10.7 0.9 9.9 2 0 3537 0.0 57.5 -57.5 1 144 113 1.3 0.2 1.0 1 495 337 2.7 1.5 1.2 1 977 0 22.6 0.0 22.6 2 67 541 0.1 4.5 -4.5 1 181 64 1.8 0.0 1.8 1 1 0 30 0.0 1.1 -1.1 1 1 33 13 0.0 0.0 1.8 1 1 33 13 0.0 0.0 0.0 1 32 36 0.6 0.0 0.0<
17 220 kV MEHGAON-AURAIYA 1 53 13 0.0 0.0 18 220 kV MALANPUR-AURAIYA 1 32 36 0.6 0.0 19 132 kV GWALIOR-SAWAI MADHOPUR 1 0 0 0.0 0.0 20 132 kV RAJGHAT-LALITPUR 2 0 0 0.0 0.0 WR-NR 55.0 299.5 Import/Export of WR (With SR)	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
17 220 kV MEHGAON-AURAIYA 1 53 13 0.0 0.0 18 220 kV MALANPUR-AURAIYA 1 32 36 0.6 0.0 19 132 kV GWALIOR-SAWAI MADHOPUR 1 0 0 0.0 0.0 20 132 kV RAJGHAT-LALITPUR 2 0 0 0.0 0.0 WR-NR 55.0 299.5	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
17 220 kV MEHGAON-AURAIYA 1 53 13 0.0 0.0 18 220 kV MALANPUR-AURAIYA 1 32 36 0.6 0.0 19 132 kV GWALIOR-SAWAI MADHOPUR 1 0 0 0 0.0 20 132 kV RAJGHAT-LALITPUR 2 0 0 0.0 0.0	2 0 1186 0.0 36.4 -36.4 1 966 0 15.3 0.0 15.3 1 0 11118 0.0 22.2 -22.2 2 1037 606 10.7 0.9 9.9 2 0 3537 0.0 57.5 -57.5 1 144 113 1.3 0.2 1.0 1 495 337 2.7 1.5 1.2 1 977 0 22.6 0.0 22.6 2 67 541 0.1 4.5 -4.5 1 181 64 1.8 0.0 1.8 1 1 0 30 0.0 1.1 -1.1 1 53 13 0.0 0.0 0.0 1 53 13 0.0 0.0 0.0 1 0 0 0.0 0.0 0.0 2
17 220 kV MEHGAON-AURAIYA 1 53 13 0.0 0.0 18 220 kV MALANPUR-AURAIYA 1 32 36 0.6 0.0 19 132 kV GWALIOR-SAWAI MADHOPUR 1 0 0 0.0 0.0 20 132 kV RAJGHAT-LALITPUR 2 0 0 0.0 0.0 WR-NR 55.0 299.5	2 0 1186 0.0 36.4 -36.4 1 966 0 15.3 0.0 15.3 1 0 1118 0.0 22.2 -22.2 -22.2 2 1037 606 10.7 0.9 9.9 9.9 2 0 3537 0.0 57.5 -57.5 1 144 113 1.3 0.2 1.0 1 495 337 2.7 1.5 1.2 1 1977 0 22.6 0.0 22.6 2 67 541 0.1 4.5 4.5 1 181 64 1.8 0.0 1.8 1 1 0 30 0.0 1.1 -1.1 1 0 30 0.0 0.0 0.0 0.0 1 1 53 13 0.0 0.0 0.0 0.0 1 0 0<
17 220 kV MEHGAON-AURAIYA 1 53 13 0.0 0.0 18 220 kV MALANPUR-AURAIYA 1 32 36 0.6 0.0 19 132 kV GWALIOR-SAWAI MADHOPUR 1 0 0 0 0.0 20 132 kV RAJGHAT-LALITPUR 2 0 0 0.0 0.0	2 0 1186 0.0 36.4 -36.4 1 966 0 15.3 0.0 15.3 1 0 1118 0.0 22.2 -22.2 -22.2 2 1037 606 10.7 0.9 9.9 9.9 2 0 3537 0.0 57.5 -57.5 1 144 113 1.3 0.2 1.0 1 495 337 2.7 1.5 1.2 1 1977 0 22.6 0.0 22.6 2 67 541 0.1 4.5 4.5 1 181 64 1.8 0.0 1.8 1 1 0 30 0.0 1.1 -1.1 1 0 30 0.0 0.0 0.0 0.0 1 1 53 13 0.0 0.0 0.0 0.0 1 0 0<
17 220 kV MEHGAON-AURAIYA 1 53 13 0.0 0.0 18 220 kV MALANPUR-AURAIYA 1 32 36 0.6 0.0 19 132 kV GWALIOR-SAWAI MADHOPUR 1 0 0 0 0.0 20 132 kV RAJGHAT-LALITPUR 2 0 0 0.0 0.0 WR-NR 55.0 299.5	2
17 220 kV MEHGAON-AURAIYA 1 53 13 0.0 0.0 18 220 kV MALANPUR-AURAIYA 1 32 36 0.6 0.0 19 132 kV GWALLOR-SAWAI MADHOPUR 1 0 0 0 0.0 20 132 kV RAJGHAT-LALITPUR 2 0 0 0.0 0.0	2
17 220 kV MEHGAON-AURAIYA 1 53 13 0.0 0.0 18 220 kV MALANPUR-AURAIYA 1 32 36 0.6 0.0 19 132 kV GWALIOR-SAWAI MADHOPUR 1 0 0 0 0.0 0.0 20 132 kV RAJGHAT-LALITPUR 2 0 0 0 0.0 0.0	2
17 220 kV MEHGAON-AURAIYA 1 53 13 0.0 0.0 18 220 kV MALANPUR-AURAIYA 1 32 36 0.6 0.0 19 132 kV GWALIOR-SAWAI MADHOPUR 1 0 0 0.0 0.0 20 132 kV RAJGHAT-LALITPUR 2 0 0 0.0 0.0	2
17 220 kV MEHGAON-AURAIYA 1 53 13 0.0 0.0 18 220 kV MALANPUR-AURAIYA 1 32 36 0.6 0.0 19 132 kV GWALIOR-SAWAI MADHOPUR 1 0 0 0 0.0 0.0 20 132 kV RAJGHAT-LALITPUR 2 0 0 0 0.0 0.0	2
17 220 kV MEHGAON-AURAIYA 1 53 13 0.0 0.0 18 220 kV MALANPUR-AURAIYA 1 32 36 0.6 0.0 19 132 kV GWALIOR-SAWAH MADHOPUR 1 0 0 0.0 0.0 20 132 kV RAJGHAT-LALITPUR 2 0 0 0.0 0.0	2 0 1186 0.0 36.4 -36.4 -36.4 1 966 0 15.3 0.0 15.3 1 0 1118 0.0 22.2 -22.2 2 1037 606 10.7 0.9 9.9 9.9 2 0 3537 0.0 57.5 -57.5 -57.5 1 144 113 1.3 0.2 1.0 1 495 337 2.7 1.5 1.2 1 977 0 22.6 0.0 22.6 2 67 541 0.1 4.5 -4.5 1 181 64 1.8 0.0 1.8 1 0 30 0.0 1.1 -1.1 1 0 30 0.0 0.1 1 32 36 0.6 0.0 0.0 1 32 36 0.6 0.0 0.0 0.6 1 0 0 0 0.0 0.0 0.0 2 0 0 0 0.0 0.0 0.0 2 0 0 0 0.0 0.0 0.0 2 0 0 0 0.0 0.0 0.0 2 0 0 0 0.0 0.0 0.0 2 0 0 0 0.0 0.0 0.0 2 0 0 0 0.0 0.0 0.0 2 0 0 0 0.0 0.0 0.0 2 0 0 0 0.0 0.0 0.0 2 0 0 0 0.0 0.0 0.0 2 0 0 0 0.0 0.0 0.0 2 0 0 0 0.0 0.0 0.0 2 0 0 0 0.0 0.0 0.0 2 0 0 0 0.0 0.0 0.0 2 0 0 0.0 0.0 0.0 0.0 2 1514 796 11.8 1.9 9.8 2 2 233 1818 0.3 21.8 -21.5 2 2 233 1818 0.3 21.8 -21.5 2 2 1518 0 22.3 0.0 22.3 2 2 1518 0 22.3 0.0 22.3 2 2 1518 0 22.3 0.0 22.3 2 2 1518 0 0.0 0.0 0.0 0.0 WR-SR 36.6 68.3 -31.7 INTERNATIONAL EXCHANGES Import(+ve)/Export(-ve) Line Name
17 220 kV MEHGAON-AURAIYA 1 53 13 0.0 0.0 18 220 kV MALANPUR-AURAIYA 1 32 36 0.6 0.0 19 132 kV GWALIOR-SAWAI MADHOPUR 1 0 0 0 0.0 0.0 20 132 kV RAJGHAT-LALITPUR 2 0 0 0 0.0 0.0	2
17	2
17	2
17	2
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17 220 kV MEHGAON-AURAIYA 1 53 13 0.0 0.0	2
17	2
17 220 kV MEHGAON-AURAIYA	2
17 220 kV MEHGAON-AURAIYA 1 53 13 0.0 0.0	2
17 220 kV MERIGAON-AURAIYA	2
17 220 kV MEHGAONAURAIYA	2
17 220 kV MERIGAON-AURAIYA	2
17 220 kV MEHGAONAURAIYA	2
17 220 kV MERGAON-AURAIYA	2
17 220 kV MERGAON-AURAIYA	2
17 220 kV MEHGAON-ARRATYA 1 5.5 13 0.0 0.0 0.0 18 220 kV MANDURAURAYA 1 3.2 3.6 0.6 0.6 0.0 19 132 kV GWALIOR-SAWAI MADHOPUR 1 0 0 0 0.0 0.0 0.0 19 132 kV RAGHAT-LALIPUR 2 0 0 0 0.0 0.0 0.0	2
17 220 kV MERGAON-AURAIYA	2
17 220 kV MEHGAON-ARRATYA 1 5.5 13 0.0 0.0 0.0 18 220 kV MANDURAURAYA 1 3.2 3.6 0.6 0.6 0.0 19 132 kV GWALIOR-SAWAI MADHOPUR 1 0 0 0 0.0 0.0 0.0 19 132 kV RAGHAT-LALIPUR 2 0 0 0 0.0 0.0 0.0	2
17 220 kV MERGAON-AURAIVA	2
17 220 kV MEHGAON-ARRATYA 1 5.5 13 0.0 0.0 0.0 18 220 kV MANDURAURAYA 1 3.2 3.6 0.6 0.6 0.0 19 132 kV GWALIOR-SAWAI MADHOPUR 1 0 0 0 0.0 0.0 0.0 19 132 kV RAGHAT-LALIPUR 2 0 0 0 0.0 0.0 0.0	2
17 220 kV MERIGAON-AURAIYA	2
17 229 kV MERGAON-ARRAYA 1 53 13 0.0 0.0 0.0 18 229 kV MALANPIR-AUBRIYA 1 32 36 0.6 0.0 0.0 19 132 kV GWALIOR-SAWAI MADDIOUR 1 0 0 0 0.0 0.0 0.0 19 132 kV RAGIOLAT-ALITPER 2 0 0 0 0.0 0.0 0.0 19 132 kV RAGIOLAT-ALITPER 2 0 0 0 0 0.0 0.0 10 10 10 10 10 10 10	2
17 220 kV MERGAON-AURAIVA	2
17 220 kV MEHGAON-ALRATYA	2
17 220 kV MEHGAON-ALRAIYA	2
17 220 kV MEHGAON-ALRATYA	2
17 220 kV MEHCAQN-AURAYA	2
4 765 kV GWALIOR-AGRA 2 0 2776 0.0 46.4	2 0 2776 0.0 46.4 -46.4
4 765 kV GWALIOR-AGRA 2 0 2776 0.0 40.4 5 765 kV GWALIOR-PHAGI 2 0 1326 0.0 20.6	
4 765 kV GWALIOR-AGRA 2 0 2776 0.0 46.4	2 0 2776 0.0 46.4 -46.4
1 5 1 765 kV GWALIOR-PHAGI 2 0 1326 0.0 20.6	2 0 1326 0.0 20.6 -20.6
	2 0 1186 0.0 36.4 -36.4
0 /05 KY SATNA-UKAI U 1118 0.0 22.2	2 0 1186 0.0 36.4 -36.4 1 966 0 15.3 0.0 15.3
	2 0 1186 0.0 36.4 -36.4 1 966 0 15.3 0.0 15.3
O 100 KY	2 0 1186 0.0 36.4 -36.4 1 966 0 15.3 0.0 15.3
1 8 1 765 kV ISATNA-OPAI 1 0 1110 00 222	2 0 1186 0.0 36.4 -36.4 1 966 0 15.3 0.0 15.3
	2 0 1186 0.0 36.4 -36.4
	2 0 1186 0.0 36.4 -36.4
, 100 KT UTALION-OKAL 1 700 U 15.5 0.0	2 0 1186 0.0 36.4 -36.4
/ /00 KY	2 0 1186 0.0 36.4 -36.4
/ /05 KY GWALIUK-UKAI	2 0 1186 0.0 36.4 -36.4
7 765 kV GWALIOR-ORAI 1 966 0 15.3 0.0	2 0 1186 0.0 36.4 -36.4
/ /05 KY GWALIUK-UKAI	2 0 1186 0.0 36.4 -36.4
, 105 KT GTIALION-OKAI 1 700 U 15.5 0.0	2 0 1186 0.0 36.4 -36.4
	2 0 1186 0.0 36.4 -36.4
8 765 by SATNA-ODAI	2 0 1186 0.0 36.4 -36.4 1 966 0 15.3 0.0 15.3
8 765 kV SATNA-ORAI 1 0 1118 0.0 22.2	2 0 1186 0.0 36.4 -36.4 1 966 0 15.3 0.0 15.3
	2 0 1186 0.0 36.4 -36.4 1 966 0 15.3 0.0 15.3

CROSS BORDER EXCHANGE SCHEDULE

Date of Reporting: 17-Jan-2024

Export From India (in MU)

Export From In	idia (ili Mic)								
		T-GNA							
	GNA (ISGS/PPA)		COLLECTIVE						
Country		BILATERAL TOTAL	IDAM			RTM			TOTAL
			IEX	PXIL	HPX	IEX	PXIL	HPX	
Bhutan	0.00	0.00	11.16	0.00	0.00	0.20	0.00	0.00	11.36
Nepal	0.26	0.00	7.81	0.00	0.00	0.07	0.00	0.00	8.14
Bangladesh	18.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.85
Myanmar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Export	19.11	0.00	18.97	0.00	0.00	0.27	0.00	0.00	38.35

Import by India(in MU)

		T-GNA							
	GNA	COLLECTIVE							7
Country	(ISGA/PPA)	BILATERAL	IDAM			RTM			TOTAL
		TOTAL	IEX	PXIL	HPX	IEX	PXIL	HPX	
Bhutan	0.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.48
Nepal	0.00	0.00	0.00	0.00	0.00	0.15	0.00	0.00	0.15
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	0.48	0.00	0.00	0.00	0.00	0.15	0.00	0.00	0.63

Net from India(in MU) -ve : Export / +ve : Import T-GNA COLLECTIVE **GNA** (ISGS/PPA) IDAM TOTAL BILATERAL RTM Country TOTAL IEX PXIL HPX IEX PXIL HPX 0.48 0.00 -11.16 0.000.00-0.20 0.000.00 -10.88 Bhutan -0.26 0.00 -7.81 0.00 0.00 0.08 0.00 0.00-7.99 Nepal -18.85 0.00Bangladesh 0.00 0.000.000.000.000.00-18.85 0.00 0.000.000.000.000.000.00 0.000.00Myanmar **Total Net** -18.63 0.00-18.97 0.00 -0.12 0.000.00-37.72 0.00