

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: 18th January 2024

Τo,

- 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 17.01.2024.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 17-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 17th 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: 18-Jan-2024

	NR	WR	SR	ER	NER	TOTAL
Demand Met during Evening Peak hrs(MW) (at 19:00 hrs; from RLDCs)	60118	61307	43216	20501	2646	187788
Peak Shortage (MW)	1022	0	0	1038	58	2118
Energy Met (MU)	1295	1485	1082	448	47	4357
Hydro Gen (MU)	96	45	49	24	11	224
Wind Gen (MU)	15	31	33	-	-	79
Solar Gen (MU)*	90.24	59.52	114.97	4.52	0.56	270
Energy Shortage (MU)	15.78	1.38	0.00	8.26	0.55	25.97
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	64517	74356	55640	21615	2668	214411
Time Of Maximum Demand Met	12:41	10:21	10:22	18:03	17:35	10:51

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	0.052	0.67	1.27	7.37	9.32	77.22	13.46

C. Power Supply Position in States

Region	States	Max.Demand Met during the	Shortage during maximum	Energy Met (MU)	Drawal Schedule	OD(+)/UD(-) (MU)	Max OD (MW)	Energy Shortage (MU)
		day (MW)	Demand (MW)	(MIU)	(MU)	` ´	(IVI VV)	
	Punjab	9076	0	161.6	55.2	0.1	223	0.00
	Haryana	9090	63	167.4	100.3	0.5	211	1.66
	Rajasthan	17370	302	328.7	113.3	-1.1	281	5.42
	Delhi	5523	0	93.0	78.1	0.1	384	0.00
NR	UP	20674	0	389.4	131.3	-2.2	955	5.74
	Uttarakhand	2440	0	47.4	35.8	0.9	178	0.41
	HP	2026	27	37.0	31.4	0.8	178	0.70
	J&K(UT) & Ladakh(UT)	2984	293	62.1	56.7	0.7	383	1.85
	Chandigarh	301	0	5.0	5.1	-0.1	43	0.00
	Railways_NR ISTS	196	0	3.6	3.3	0.3	73	0.00
	Chhattisgarh	5167	74	108.1	55.4	0.7	432	0.47
	Gujarat	21159	0	413.2	154.9	-0.2	496	0.00
	MP	17086	0	316.1	187.0	-3.1	855	0.00
$\mathbf{W}\mathbf{R}$	Maharashtra	27714	0	573.7	179.2	-0.7	926	0.91
	Goa	660	0	13.2	12.8	-0.1	51	0.00
	DNHDDPDCL	1267	0	29.0	28.8	0.2	75	0.00
	AMNSIL	852	0	18.8	10.2	-0.4	282	0.00
	BALCO	521	0	12.4	12.5	-0.1	11	0.00
	Andhra Pradesh	10989	0	196.1	68.3	-1.6	721	0.00
	Telangana	13358	0	249.1	118.2	-1.6	523	0.00
\mathbf{SR}	Karnataka	15250	0	279.5	123.5	-0.5	1410	0.00
	Kerala	4155	0	82.3	64.2	0.5	256	0.00
	Tamil Nadu	13610	0	268.3	152.2	-2.0	556	0.00
	Puducherry	270	0	6.2	5.9	-0.3	19	0.00
	Bihar	4923	275	100.8	98.1	1.9	275	5.11
	DVC	3330	0	69.6	-44.0	0.2	427	0.00
	Jharkhand	1651	0	31.0	22.6	-0.7	243	3.15
ER	Odisha	4637	0	97.6	16.6	-0.8	365	0.00
	West Bengal	7073	0	147.4	28.7	-1.6	220	0.00
	Sikkim	123	0	2.1	2.1	0.0	43	0.00
	Railways_ER ISTS	6	0	0.0	0.1	-0.1	2	0.00
	Arunachal Pradesh	172	0	2.9	2.8	0.0	32	0.00
	Assam	1458	0	26.1	20.9	0.7	128	0.00
	Manipur	206	20	3.1	2.8	0.3	56	0.19
NER	Meghalaya	330	38	6.5	4.9	-0.1	62	0.36
. 1222	Mizoram	154	0	2.3	1.8	-0.2	30	0.00
	Nagaland	145	0	2.3	2.2	0.1	34	0.00
	Tripura	221	0	4.0	3.1	-0.2	26	0.00

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

	Bhutan	Nepal	Bangladesh	Godda -> Bangladesh
Actual (MU)	-10.6	-9.2	-18.6	-26.4
Day Peak (MW)	-706.5	-417.0	-884.0	-1386.9

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

E. Import Export by Regions (in 170) - Import (170)/Export (170), OD(1)								
	NR	WR	SR	ER	NER	TOTAL		
Schedule(MU)	285.7	-244.2	93.5	-139.7	4.7	0.0		
Actual(MU)	299.5	-262.4	87.9	-139.3	4.8	-9.5		
O/D/II/D(MII)	13.7	19.2	5.7	0.5	0.1	0.5		

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	7886	8274	3908	4516	452	25035	49
State Sector	6501	10110	6555	2899	302	26366	51
Total	14386	18383	10463	7415	754	51401	100

G Sourcewise generation (Gross) (MII)

G. Sourcewise generation (Gross) (MU)							
	NR	WR	SR	ER	NER	All India	% Share
Coal	795	1634	703	642	11	3785	80
Lignite	27	21	63	0	0	112	2
Hydro	96	45	49	24	11	224	5
Nuclear	26	31	73	0	0	129	3
Gas, Naptha & Diesel	17	43	5	0	26	91	2
RES (Wind, Solar, Biomass & Others)	129	94	173	6	1	402	8
Total	1091	1867	1066	672	48	4744	100
		1	1		ı		1
Share of RES in total generation (%)	11.83	5.03	16.19	0.90	1.19	8.47	
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	23.01	9.07	27.63	4.40	23.51	15.93	

	H.	All	India	Dei	mand D	Divers	sity Factor	r	
ľ	_	-	_	•	117	7			

11. All findia Demand Diversity Factor	
Based on Regional Max Demands	1.020
Based on State Max Demands	1.054

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	214411	10:51	3885
Non-Solar hr	195309	17:00	956

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: 18-Jan-2024

Sl No Import/			I	1			Date of Reporting:	18-Jan-2024
1	Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
1	t/Export of ER (With NR)						
2	HVDC	ALIPURDUAR-AGRA	2	0	0	0.0	0.0	0.0
3	HVDC 765 kV	PUSAULI B/B GAYA-VARANASI	2	0	49 759	0.0	1.3 11.2	-1.3 -11.2
4	765 kV	SASARAM-FATEHPUR	1	0	452	0.0	7.1	-11.2 -7.1
5	765 kV	GAYA-BALIA	1	0	888	0.0	14.8	-14.8
7	400 kV 400 kV	PUSAULI-VARANASI PUSAULI -ALLAHABAD	1	51 9	33 53	0.3	0.0	0.3 -0.5
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	693	0.0	8.4	-8.4
9	400 kV	PATNA-BALIA	2	0	632	0.0	11.7	-11.7
10 11	400 kV 400 kV	NAUBATPUR-BALIA BIHARSHARIFF-BALIA	2 2	0	664 350	0.0	12.2 4.9	-12.2 -4.9
12	400 kV	MOTIHARI-GORAKHPUR	2	0	562	0.0	9.6	-9.6
13	400 kV	BIHARSHARIFF-VARANASI	2	0	380	0.0	5.9	-5.9
14 15	220 kV 132 kV	SAHUPURI-KARAMNASA NAGAR UNTARI-RIHAND	1	0	101 0	0.0 0.1	1.9 0.0	-1.9 0.1
16	132 kV	GARWAH-RIHAND	1	30	0	0.4	0.0	0.4
17	132 kV	KARMANASA-SAHUPURI	1	0	0	0.0	0.0	0.0
18	132 kV	KARMANASA-CHANDAULI	1	0	0 ER-NR	0.0	89.6	-88.8
Import	t/Export of ER (With WR)			221 1121	0.0	0510	-00.0
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	110	1118	0.0	9.8	-9.8
3	765 kV 765 kV	NEW RANCHI-DHARAMJAIGARH JHARSUGUDA-DURG	2 2	1028	123 642	9.4	0.0 12.3	9.4 -12.3
4	400 kV	JHARSUGUDA-RAIGARH	4	0	799	0.0	13.0	-13.0
5	400 kV	RANCHI-SIPAT	2	170	155	0.0	0.3	-0.3
7	220 kV 220 kV	BUDHIPADAR-RAIGARH BUDHIPADAR-KORBA	1 2	6 73	130 115	0.0 0.1	1.4 0.0	-1.4 0.1
,	220 K V	BUDIHI ADAR-KURBA	4	73	ER-WR	9.5	36.8	-27.3
Import	t/Export of ER (With SR)				710		2710
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	369	0.0	7.3	-7.3
3	HVDC 765 kV	TALCHER-KOLAR BIPOLE ANGUL-SRIKAKULAM	2 2	0	1493 2202	0.0	67.6 38.8	-67.6 -38.8
4	765 KV 400 kV	TALCHER-I/C	2 2	714	0	10.8	0.0	-38.8 10.8
5	220 kV	BALIMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0
Terror	4/E	Wish NED			ER-SR	0.0	113.7	-113.7
1mport/	t/Export of ER (\) 400 kV	With NER) BINAGURI-BONGAIGAON	2	189	63	1.5	0.1	1.4
2	400 KV 400 kV	ALIPURDUAR-BONGAIGAON	2 2	670	63	7.4	0.0	7.4
3	220 kV	ALIPURDUAR-SALAKATI	2	111	2	1.5	0.0	1.5
_					ER-NER	10.3	0.1	10.3
Import/	t/Export of NER			671	0	15 (0.0	15 4
1	HVDC	BISWANATH CHARIALI-AGRA	2	661	0 NER-NR	15.6 15.6	0.0	15.6 15.6
Import	t/Export of WR	With NR)			NEK-IVK	13.0	0.0	13.0
1	HVDC	CHAMPA-KURUKSHETRA	2	0	4008	0.0	45.5	-45.5
2	HVDC	VINDHYACHAL B/B	:	0	101	0.0	2.4	-2.4
3	HVDC 765 kV	MUNDRA-MOHINDERGARH GWALIOR-AGRA	2 2	0	1911 3060	0.0	38.7 46.8	-38.7 -46.8
5	765 kV	GWALIOR-PHAGI	2	0	1285	0.0	21.5	-21.5
6	765 kV	JABALPUR-ORAI	2	0	1307	0.0	38.2	-38.2
8	765 kV 765 kV	GWALIOR-ORAI SATNA-ORAI	1	945 0	0 1170	15.4 0.0	0.0 22.4	15.4 -22.4
9	765 kV	BANASKANTHA-CHITORGARH	2	946	792	7.5	1.1	6.4
10	765 kV	VINDHYACHAL-VARANASI	2	0	3628	0.0	58.5	-58.5
11	400 kV 400 kV	ZERDA-KANKROLI	1	99 420	138 305	0.8 1.7	0.3 1.6	0.5 0.1
13	400 KV	ZERDA -BHINMAL VINDHYACHAL -RIHAND	1	974	0	22.4	0.0	22.4
14	400 kV	RAPP-SHUJALPUR	2	36	577	0.0	5.0	-5.0
15	220 kV	BHANPURA-RANPUR	1	158	158	1.3	0.2	1.1
16 17	220 kV 220 kV	BHANPURA-MORAK MEHGAON-AURAIYA	1	0 65	30 21	0.0	1.2 0.2	-1.2 0.5
18	220 kV	MALANPUR-AURAIYA	1	39	45	0.7	0.1	0.1
19	132 kV	GWALIOR-SAWAI MADHOPUR	1	0	0	0.0	0.0	0.0
20	132 kV	RAJGHAT-LALITPUR	2	0	0	0.0	0.0 283.6	0.0
Import		Wal CD)						-233.8
	t/Eyport of WR				WR-NR	49.8	203.0	
1	t/Export of WR		-	0			7.2	-7.2
2	HVDC HVDC	BHADRAWATI B/B RAIGARH-PUGALUR	2	0	307 2003	0.0 0.0	7.2 30.5	-7.2 -30.5
3	HVDC HVDC 765 kV	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR	2	0 1604	307 2003 1256	0.0 0.0 9.9	7.2 30.5 5.0	-30.5 4.9
3 4	HVDC HVDC 765 kV 765 kV	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD	2 2	0 1604 0	307 2003 1256 2013	0.0 0.0 9.9 0.0	7.2 30.5 5.0 23.1	-30.5 4.9 -23.1
3	HVDC HVDC 765 kV	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR	2	0 1604	307 2003 1256	0.0 0.0 9.9	7.2 30.5 5.0	-30.5 4.9
2 3 4 5 6 7	HVDC HVDC 765 kV 765 kV 765 kV 400 kV 220 kV	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD WARORA-WARANGAL(NEW) KOLHAPUR-KUDGI KOLHAPUR-CHIKODI	2 2 2 2	0 1604 0 0 1557	307 2003 1256 2013 2030 0	0.0 0.0 9.9 0.0 0.0 22.4 0.0	7.2 30.5 5.0 23.1 24.4 0.0	-30.5 4.9 -23.1 -24.4 22.4 0.0
2 3 4 5 6	HVDC HVDC 765 kV 765 kV 765 kV 400 kV 220 kV	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD WARORA-WARANGAL(NEW) KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI	2 2 2 2 2	0 1604 0 0 1557	307 2003 1256 2013 2030 0 0	0.0 0.0 9.9 0.0 0.0 22.4 0.0	7.2 30.5 5.0 23.1 24.4 0.0	-30.5 4.9 -23.1 -24.4 22.4 0.0 0.0
2 3 4 5 6 7 8	HVDC HVDC 765 kV 765 kV 765 kV 400 kV 220 kV	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD WARORA-WARANGAL(NEW) KOLHAPUR-KUDGI KOLHAPUR-CHIKODI	2 2 2 2 2	0 1604 0 0 1557 0	307 2003 1256 2013 2030 0	0.0 0.0 9.9 0.0 0.0 22.4 0.0	7.2 30.5 5.0 23.1 24.4 0.0 0.0	-30.5 4.9 -23.1 -24.4 22.4 0.0
2 3 4 5 6 7 8	HVDC HVDC 765 kV 765 kV 765 kV 400 kV 220 kV	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD WARORA-WARANGAL(NEW) KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	2 2 2 2 2 2 2 1	0 1604 0 0 1557 0 0	307 2003 1256 2013 2030 0 0 0	0.0 0.0 9.9 0.0 0.0 22.4 0.0 0.0 2.1	7.2 30.5 5.0 23.1 24.4 0.0 0.0 0.0 0.0 90.1	-30.5 4.9 -23.1 -24.4 22.4 0.0 0.0 2.1 -55.8
2 3 4 5 6 7 8	HVDC HVDC 765 kV 765 kV 765 kV 400 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD WARORA-WARANGAL(NEW) KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	2 2 2 2 2 2 2 1 1 1 TERNATIONAL EXC	0 1604 0 0 1557 0 0 0	307 2003 1256 2013 2030 0 0 0 0 WR-SR	0.0 0.0 9.9 0.0 0.0 22.4 0.0 0.0 2.1 34.3	7.2 30.5 5.0 23.1 24.4 0.0 0.0 0.0 0.0 90.1 Import(-30.5 4.9 -23.1 -24.4 22.4 0.0 0.0 2.1 -55.8 +ve)/Export(-ve)
2 3 4 5 6 7 8	HVDC HVDC 765 kV 765 kV 765 kV 400 kV 220 kV	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD WARORA-WARANGAL(NEW) KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	2 2 2 2 2 2 2 1 1 TERNATIONAL EXC	0 1604 0 0 1557 0 0 0 0	307 2003 1256 2013 2030 0 0 0	0.0 0.0 9.9 0.0 0.0 22.4 0.0 0.0 2.1	7.2 30.5 5.0 23.1 24.4 0.0 0.0 0.0 0.0 90.1	-30.5 4.9 -23.1 -24.4 22.4 0.0 0.0 2.1 -55.8
2 3 4 5 6 7 8	HVDC HVDC 765 kV 765 kV 765 kV 400 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD WARORA-WARANGAL(NEW) KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI INTERPRETATION INTERPRE	2 2 2 2 2 2 1 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU-	0 1604 0 0 1557 0 0 0 0 CHANGES	307 2003 1256 2013 2030 0 0 0 112 WR-SR	0.0 0.0 9.9 0.0 0.0 22.4 0.0 0.0 2.1 34.3	7.2 30.5 5.0 23.1 24.4 0.0 0.0 0.0 0.0 90.1 Import(Avg (MW)	-30.5 4.9 -23.1 -24.4 22.4 0.0 0.0 2.1 -55.8 +ve)/Export(-ve) Energy Exchange (MU)
2 3 4 5 6 7 8	HVDC HVDC 765 kV 765 kV 765 kV 400 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD WARORA-WARANGAL(NEW) KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	2 2 2 2 2 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIP) HEP 4*180MW)	0 1604 0 0 1557 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e.	307 2003 1256 2013 2030 0 0 0 0 WR-SR	0.0 0.0 9.9 0.0 0.0 22.4 0.0 0.0 2.1 34.3	7.2 30.5 5.0 23.1 24.4 0.0 0.0 0.0 0.0 90.1 Import(-30.5 4.9 -23.1 -24.4 22.4 0.0 0.0 2.1 -55.8 +ve)/Export(-ve) Energy Exchange
2 3 4 5 6 7 8	HVDC HVDC 765 kV 765 kV 765 kV 400 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD WARORA-WARANGAL(NEW) KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN' Region ER	2 2 2 2 2 1 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIPI HEP 4*180MW) 400kV TALA-BINAGURI	0 1604 0 0 1557 0 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. F (from MANGDECHU	307 2003 1256 2013 2030 0 0 0 112 WR-SR	0.0 0.0 9.9 0.0 0.0 22.4 0.0 0.0 2.1 34.3	7.2 30.5 5.0 23.1 24.4 0.0 0.0 0.0 90.1 Import(Avg (MW)	-30.5 4.9 -23.1 -24.4 22.4 0.0 0.0 2.1 -55.8 +ve)/Export(-ve) Energy Exchange (MU) -3.65
2 3 4 5 6 7 8	HVDC HVDC 765 kV 765 kV 765 kV 400 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD WARORA-WARANGAL(NEW) KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI INTERPRETATION INTERPRE	2 2 2 2 2 2 1 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIPI HEP 4*180MW) 400kV TALA-BINAGURI MALBASE - BINAGUR	0 1604 0 0 0 1557 0 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. f (from MANGDECHU [1,2,4 (& 400kV)] i.e. BINAGURI	307 2003 1256 2013 2030 0 0 0 112 WR-SR	0.0 0.0 9.9 0.0 0.0 22.4 0.0 0.0 2.1 34.3	7.2 30.5 5.0 23.1 24.4 0.0 0.0 0.0 0.0 90.1 Import(Avg (MW)	-30.5 4.9 -23.1 -24.4 22.4 0.0 0.0 2.1 -55.8 +ve)/Export(-ve) Energy Exchange (MU)
2 3 4 5 6 7 8 9	HVDC HVDC 765 kV 765 kV 765 kV 220 kV 220 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD WARORA-WARANGAL(NEW) KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN' Region ER	2 2 2 2 2 1 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIPI HEP 4*180MW) 400kV TALA-BINAGURI	0 1604 0 0 0 1557 0 0 0 1557 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. (from MANGDECHU [1,2,4 (& 400kV)] i.e. BINAGURI EP 6*170MW)	307 2003 1256 2013 2030 0 0 0 112 WR-SR	0.0 0.0 9.9 0.0 0.0 22.4 0.0 0.0 2.1 34.3	7.2 30.5 5.0 23.1 24.4 0.0 0.0 0.0 90.1 Import(Avg (MW)	-30.5 4.9 -23.1 -24.4 22.4 0.0 0.0 2.1 -55.8 +ve)/Export(-ve) Energy Exchange (MU) -3.65
2 3 4 5 6 7 8 9	HVDC HVDC 765 kV 765 kV 765 kV 400 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD WARORA-WARANGAL(NEW) KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN' Region ER	2 2 2 2 2 2 1 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIPI HEP 4*180MW) MOOKV TALA-BINAGURI MALBASE - BINAGUR RECEIPT (from TALA H RECEIPT (from TALA H MALBASE - BIRPARA)	0 1604 0 0 0 1557 0 0 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. F (from MANGDECHU 11,2,4 (& 400kV 1) i.e. BINAGURI EP 6*170MW) RA 1&2 (& 220kV i.e. BIRPARA RECEIPT	307 2003 1256 2013 2030 0 0 0 112 WR-SR	0.0 0.0 9.9 0.0 0.0 22.4 0.0 0.0 2.1 34.3	7.2 30.5 5.0 23.1 24.4 0.0 0.0 0.0 90.1 Import(Avg (MW)	-30.5 4.9 -23.1 -24.4 22.4 0.0 0.0 2.1 -55.8 +ve)/Export(-ve) Energy Exchange (MU) -3.65
2 3 4 5 6 7 8 9	HVDC HVDC 765 kV 765 kV 765 kV 220 kV 220 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD WARORA-WARANGAL(NEW) KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN' Region ER	2 2 2 2 2 2 1 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIP'I HEP 4*180MW) 400kV TALA-BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI MALBASE - BUNAGURI	0 1604 0 0 0 1557 0 0 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. F (from MANGDECHU 11,2,4 (& 400kV 1) i.e. BINAGURI EP 6*170MW) RA 1&2 (& 220kV i.e. BIRPARA RECEIPT	307 2003 1256 2013 2030 0 0 0 112 WR-SR	0.0 0.0 9.9 0.0 0.0 22.4 0.0 0.0 2.1 34.3 Min (MW)	7.2 30.5 5.0 23.1 24.4 0.0 0.0 0.0 90.1 Import(Avg (MW) -152	-30.5 4.9 -23.1 -24.4 22.4 0.0 0.0 2.1 -55.8 +ve)/Export(-ve) Energy Exchange (MU) -3.65
2 3 4 5 6 7 8 9	HVDC HVDC 765 kV 765 kV 765 kV 220 kV 220 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD WARORA-WARANGAL(NEW) KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN' Region ER	2 2 2 2 2 2 1 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIPI HEP 4*180MW) MOOKV TALA-BINAGURI MALBASE - BINAGUR RECEIPT (from TALA H RECEIPT (from TALA H MALBASE - BIRPARA)	0 1604 0 0 1557 0 0 0 1557 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. f (from MANGECHU 11,2,4 (& 400kV 1) i.e. BINAGURI EEP 6*170MW) RA 1&2 (& 220kV i.e. BIRPARA RECEIPT 44MW)	307 2003 1256 2013 2030 0 0 0 112 WR-SR	0.0 0.0 9.9 0.0 0.0 22.4 0.0 0.0 2.1 34.3 Min (MW)	7.2 30.5 5.0 23.1 24.4 0.0 0.0 0.0 90.1 Import(Avg (MW) -152	-30.5 4.9 -23.1 -24.4 22.4 0.0 0.0 2.1 -55.8 +ve)/Export(-ve) Energy Exchange (MU) -3.65
2 3 4 5 6 7 8 9	HVDC HVDC 765 kV 765 kV 765 kV 220 kV 220 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD WARORA-WARANGAL(NEW) KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN' Region ER ER	2 2 2 2 2 2 1 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIP1 HEP 4*180MW) 400kV TALA-BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI MALBASE - BIRPARA) (from CHUKHA-BIRPA MALBASE - BIRPARA)	0 1604 0 0 1557 0 0 0 1557 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. f (from MANGECHU 11,2,4 (& 400kV 1) i.e. BINAGURI EEP 6*170MW) RA 1&2 (& 220kV i.e. BIRPARA RECEIPT 44MW)	307 2003 1256 2013 2030 0 0 112 WR-SR Max (MW) -238 -265	0.0 0.0 9.9 0.0 0.0 2.4 0.0 0.0 2.1 34.3 Min (MW) -15	7.2 30.5 5.0 23.1 24.4 0.0 0.0 0.0 90.1 Import(Avg (MW) -152 -93	-30.5 4.9 -23.1 -24.4 22.4 0.0 0.0 2.1 -55.8 +ve)/Export(-ve) Energy Exchange (MU) -3.65 -2.24
2 3 4 5 6 7 8 9	HVDC HVDC 765 kV 765 kV 765 kV 220 kV 220 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD WARORA-WARANGAL(NEW) KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN' Region ER ER ER	2 2 2 2 2 2 1 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIPI HEP 4*180MW) 400kV TALA-BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI MALBASE - BIRPARA) i(from CHUKHA-BIRPA MALBASE - BIRPARA) i(from CHUKHA HEP 4*8 132kV GELEPHU-SALA)	0 1604 0 0 0 1557 0 0 0 0 1557 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. f (from MANGDECHU 11,2,4 (& 400kV 1) i.e. BINAGURI EEP 6*170MW) RA 1&2 (& 220kV i.e. BIRPARA RECEIPT 34MW) KATI	307 2003 1256 2013 2030 0 0 0 112 WR-SR Max (MW) -238 -265 -226	0.0 0.0 9.9 0.0 0.0 0.0 22.4 0.0 0.0 2.1 34.3 Min (MW) -15 207	7.2 30.5 5.0 23.1 24.4 0.0 0.0 0.0 0.0 90.1 Import(Avg (MW) -152 -93 -170	-30.5 4.9 -23.1 -24.4 22.4 0.0 0.0 2.1 -55.8 +ve)/Export(-ve) Energy Exchange (MU) -3.65 -2.24 -4.07
2 3 4 5 6 7 8 9	HVDC HVDC 765 kV 765 kV 765 kV 220 kV 220 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD WARORA-WARANGAL(NEW) KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN' Region ER ER	2 2 2 2 2 2 1 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIP1 HEP 4*180MW) 400kV TALA-BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI MALBASE - BIRPARA) (from CHUKHA-BIRPA MALBASE - BIRPARA)	0 1604 0 0 0 1557 0 0 0 0 1557 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. f (from MANGDECHU 11,2,4 (& 400kV 1) i.e. BINAGURI EEP 6*170MW) RA 1&2 (& 220kV i.e. BIRPARA RECEIPT 34MW) KATI	307 2003 1256 2013 2030 0 0 112 WR-SR Max (MW) -238 -265	0.0 0.0 9.9 0.0 0.0 2.4 0.0 0.0 2.1 34.3 Min (MW) -15	7.2 30.5 5.0 23.1 24.4 0.0 0.0 0.0 90.1 Import(Avg (MW) -152 -93	-30.5 4.9 -23.1 -24.4 22.4 0.0 0.0 2.1 -55.8 +ve)/Export(-ve) Energy Exchange (MU) -3.65 -2.24
2 3 4 5 6 7 8 9	HVDC HVDC 765 kV 765 kV 765 kV 220 kV 220 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD WARORA-WARANGAL(NEW) KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER NER	2 2 2 2 2 2 1 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIP1 HEP 4*180MW) 400kV TALA-BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI MALBASE - BIRAGAI MALBAS	0 1604 0 0 0 1557 0 0 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. f (from MANGDECHU 11,2,4 (& 400kV I) i.e. BINAGURI IEP 6*170MW) RA 1&2 (& 220kV I.e. BIRPARA RECEIPT 34MW) KATI	307 2003 1256 2013 2030 0 0 0 112 WR-SR Max (MW) -238 -265 -226 -31	0.0 0.0 9.9 0.0 0.0 2.1 34.3 Min (MW) -15 207 -79	7.2 30.5 5.0 23.1 24.4 0.0 0.0 0.0 0.0 90.1 Import(Avg (MW) -152 -93 -170 -26	-30.5 4.9 -23.1 -24.4 22.4 0.0 0.0 2.1 -55.8 +ve)/Export(-ve) Energy Exchange (MU) -3.65 -2.24 -4.07 -0.62
2 3 4 5 6 7 8 9	HVDC HVDC 765 kV 765 kV 765 kV 220 kV 220 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD WARORA-WARANGAL(NEW) KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN' Region ER ER ER	2 2 2 2 2 2 1 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIPI HEP 4*180MW) 400kV TALA-BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI MALBASE - BIRPARA) i(from CHUKHA-BIRPA MALBASE - BIRPARA) i(from CHUKHA HEP 4*8 132kV GELEPHU-SALA)	0 1604 0 0 0 1557 0 0 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. f (from MANGDECHU 11,2,4 (& 400kV I) i.e. BINAGURI IEP 6*170MW) RA 1&2 (& 220kV I.e. BIRPARA RECEIPT 34MW) KATI	307 2003 1256 2013 2030 0 0 0 112 WR-SR Max (MW) -238 -265 -226	0.0 0.0 9.9 0.0 0.0 0.0 22.4 0.0 0.0 2.1 34.3 Min (MW) -15 207	7.2 30.5 5.0 23.1 24.4 0.0 0.0 0.0 0.0 90.1 Import(Avg (MW) -152 -93 -170	-30.5 4.9 -23.1 -24.4 22.4 0.0 0.0 2.1 -55.8 +ve)/Export(-ve) Energy Exchange (MU) -3.65 -2.24 -4.07
2 3 4 5 6 7 8 9	HVDC HVDC T65 kV 765 kV 765 kV 200 kV 220 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD WARORA-WARANGAL(NEW) KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER NER NER	2 2 2 2 2 1 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIPI HEP 4*180MW) 400kV TALA-BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI MALBASE - BIRPARA) i (from CHUKHA-BIRPA MALBASE - BIRPARA) i (from CHUKHA HEP 4*8 132kV GELEPHU-SALA: 132kV MOTANGA-RANG	0 1604 0 0 0 1557 0 0 0 1557 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. f (from MANGDECHU 11,2,4 (& 400kV 1) i.e. BINAGURI EP 6*170MW) RA 1&2 (& 220kV i.e. BIRPARA RECEIPT 34MW) KATI GIA	307 2003 1256 2013 2030 0 0 0 112 WR-SR Max (MW) -238 -265 -226 -31 -31	0.0 0.0 9.9 0.0 0.0 22.4 0.0 0.0 2.1 34.3 Min (MW) -15 207 -79 -1 0	7.2 30.5 5.0 23.1 24.4 0.0 0.0 0.0 0.0 90.1 Import(Avg (MW) -152 -93 -170 -26 -1	-30.5 4.9 -23.1 -24.4 22.4 0.0 0.0 2.1 -55.8 +ve)/Export(-ve) Energy Exchange (MU) -3.65 -2.24 -4.07 -0.62 -0.03
2 3 4 5 6 7 8 9	HVDC HVDC 765 kV 765 kV 765 kV 220 kV 220 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD WARORA-WARANGAL(NEW) KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER NER	2 2 2 2 2 1 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIPI HEP 4*180MW) 400kV TALA-BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI MALBASE - BIRPARA) i (from CHUKHA-BIRPA MALBASE - BIRPARA) i (from CHUKHA HEP 4*8 132kV GELEPHU-SALA: 132kV MOTANGA-RANG	0 1604 0 0 0 1557 0 0 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. f (from MANGDECHU 11,2,4 (& 400kV I) i.e. BINAGURI IEP 6*170MW) RA 1&2 (& 220kV I.e. BIRPARA RECEIPT 34MW) KATI	307 2003 1256 2013 2030 0 0 0 112 WR-SR Max (MW) -238 -265 -226 -31	0.0 0.0 9.9 0.0 0.0 2.1 34.3 Min (MW) -15 207 -79	7.2 30.5 5.0 23.1 24.4 0.0 0.0 0.0 0.0 90.1 Import(Avg (MW) -152 -93 -170 -26	-30.5 4.9 -23.1 -24.4 22.4 0.0 0.0 2.1 -55.8 +ve)/Export(-ve) Energy Exchange (MU) -3.65 -2.24 -4.07 -0.62
2 3 4 5 6 7 8 9	HVDC HVDC T65 kV 765 kV 765 kV 200 kV 220 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD WARORA-WARANGAL(NEW) KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER NER NER	2 2 2 2 2 1 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIPI HEP 4*180MW) 400kV TALA-BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI MALBASE - BIRPARA) i (from CHUKHA-BIRPA MALBASE - BIRPARA) i (from CHUKHA HEP 4*8 132kV GELEPHU-SALA: 132kV MOTANGA-RANG	0 1604 0 0 0 1557 0 0 0 1557 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. f (from MANGDECHU 11,2,4 (& 400kV 1) i.e. BINAGURI EP 6*170MW) RA 1&2 (& 220kV i.e. BIRPARA RECEIPT 34MW) KATI GIA	307 2003 1256 2013 2030 0 0 0 112 WR-SR Max (MW) -238 -265 -226 -31 -31	0.0 0.0 9.9 0.0 0.0 22.4 0.0 0.0 2.1 34.3 Min (MW) -15 207 -79 -1 0	7.2 30.5 5.0 23.1 24.4 0.0 0.0 0.0 0.0 90.1 Import(Avg (MW) -152 -93 -170 -26 -1	-30.5 4.9 -23.1 -24.4 22.4 0.0 0.0 2.1 -55.8 +ve)/Export(-ve) Energy Exchange (MU) -3.65 -2.24 -4.07 -0.62 -0.03
2 3 4 5 6 7 8 9	HVDC HVDC T65 kV 765 kV 765 kV 200 kV 220 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD WARORA-WARANGAL(NEW) KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER NER NER	2 2 2 2 2 1 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIPI HEP 4*180MW) 400kV TALA-BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI MALBASE - BIRPARA) i (from CHUKHA-BIRPA MALBASE - BIRPARA) i (from CHUKHA HEP 4*8 132kV GELEPHU-SALA: 132kV MOTANGA-RANG	0 1604 0 0 0 1557 0 0 0 1557 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. f (from MANGDECHU (1,2,4 (& 400kV)) i.e. BINAGURI (EP 6*170MW) RA 1&2 (& 220kV) i.e. BIRPARA RECEIPT 44MW) KATI GIA 1 UP) CAR-TANAKPUR(NHPC)	307 2003 1256 2013 2030 0 0 0 112 WR-SR Max (MW) -238 -265 -226 -31 -31	0.0 0.0 9.9 0.0 0.0 22.4 0.0 0.0 2.1 34.3 Min (MW) -15 207 -79 -1 0	7.2 30.5 5.0 23.1 24.4 0.0 0.0 0.0 0.0 90.1 Import(Avg (MW) -152 -93 -170 -26 -1	-30.5 4.9 -23.1 -24.4 22.4 0.0 0.0 2.1 -55.8 +ve)/Export(-ve) Energy Exchange (MU) -3.65 -2.24 -4.07 -0.62 -0.03
2 3 4 5 6 7 8 9	HVDC HVDC T65 kV 765 kV 765 kV 200 kV 220 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD WARORA-WARANGAL(NEW) KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER NER NER NER	2 2 2 2 2 2 1 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIPI HEP 4*180MW) 400kV TALA-BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI MALBASE - BIRFARA) i (from CHUKHA-BIRPA MALBASE - BIRPARA) i (from CHUKHA HEP 4*8 132kV GELEPHU-SALA: 132kV MOTANGA-RANG NEPAL IMPORT (FROM	0 1604 0 0 0 1557 0 0 0 1557 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. f (from MANGDECHU (1,2,4 (& 400kV)) i.e. BINAGURI (EP 6*170MW) RA 1&2 (& 220kV) i.e. BIRPARA RECEIPT 44MW) KATI GIA 1 UP) CAR-TANAKPUR(NHPC)	307 2003 1256 2013 2030 0 0 0 112 WR-SR Max (MW) -238 -265 -226 -31 -77 -77	0.0 0.0 9.9 0.0 0.0 22.4 0.0 0.0 22.1 34.3 Min (MW) -15 207 -79 -1 0	7.2 30.5 5.0 23.1 24.4 0.0 0.0 0.0 0.0 90.1 Import(Avg (MW) -152 -93 -170 -26 -1	-30.5 4.9 -23.1 -24.4 22.4 0.0 0.0 2.1 -55.8 +ve)/Export(-ve) Energy Exchange (MU) -3.65 -2.24 -4.07 -0.62 -0.03 0.00 -1.35
2 3 4 5 6 7 8 9	HVDC HVDC T65 kV 765 kV 765 kV 200 kV 220 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD WARORA-WARANGAL(NEW) KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER NER NER NER	2 2 2 2 2 2 1 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIPI HEP 4*180MW) 400kV TALA-BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI MALBASE - BIRFARA) i (from CHUKHA-BIRPA MALBASE - BIRPARA) i (from CHUKHA HEP 4*8 132kV GELEPHU-SALA: 132kV MOTANGA-RANG NEPAL IMPORT (FROM	0 1604 0 0 0 1557 0 0 0 1557 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. (from MANGDECHU (1,2,4 (& 400kV)) i.e. BINAGURI (EP 6*170MW) RA 1&2 (& 220kV) i.e. BIRPARA RECEIPT (44MW) KATI GIA (1 UP) GAR-TANAKPUR(NHPC) (1 BIHAR)	307 2003 1256 2013 2030 0 0 0 112 WR-SR Max (MW) -238 -265 -226 -31 -77 -77	0.0 0.0 9.9 0.0 0.0 22.4 0.0 0.0 22.1 34.3 Min (MW) -15 207 -79 -1 0	7.2 30.5 5.0 23.1 24.4 0.0 0.0 0.0 0.0 90.1 Import(Avg (MW) -152 -93 -170 -26 -1	-30.5 4.9 -23.1 -24.4 22.4 0.0 0.0 2.1 -55.8 +ve)/Export(-ve) Energy Exchange (MU) -3.65 -2.24 -4.07 -0.62 -0.03 0.00 -1.35
2 3 4 5 6 7 8 9	HVDC HVDC T65 kV 765 kV 765 kV 200 kV 220 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD WARORA-WARANGAL(NEW) KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER NER NER NER NER NR NR	2 2 2 2 2 2 1 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIPI HEP 4*180MW) 400kV TALA-BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI MALBASE - BIRPARA) i (from CHUKHA-BIRPA MALBASE - BIRPARA) i (from CHUKHA HEP 4*8 132kV GELEPHU-SALA: 132kV MOTANGA-RANG NEPAL IMPORT (FROM	0 1604 0 0 0 1557 0 0 0 1557 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. (from MANGDECHU (1,2,4 (& 400kV)) i.e. BINAGURI (EP 6*170MW) RA 1&2 (& 220kV) i.e. BIRPARA RECEIPT (44MW) KATI GIA (1 UP) GAR-TANAKPUR(NHPC) (1 BIHAR)	307 2003 1256 2013 2030 0 0 0 112 WR-SR Max (MW) -238 -265 -226 -31 -31 -77 -77	0.0 0.0 9.9 0.0 0.0 22.4 0.0 0.0 22.1 34.3 Min (MW) -15 207 -79 -1 0 0	7.2 30.5 5.0 23.1 24.4 0.0 0.0 0.0 0.0 90.1 Import(Avg (MW) -152 -93 -170 -26 -1 0 -56	-30.5 4.9 -23.1 -24.4 22.4 0.0 0.0 2.1 -55.8 +ve)/Export(-ve) Energy Exchange (MU) -3.65 -2.24 -4.07 -0.62 -0.03 0.00 -1.35
2 3 4 5 6 7 8 9	HVDC HVDC T65 kV 765 kV 765 kV 200 kV 220 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD WARORA-WARANGAL(NEW) KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER NER NER NER NER NER ER	2 2 2 2 2 2 1 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIPT HEP 4*180MW) 400kV TALA-BINAGUR MALBASE - BINAGUR MALBASE - BINAGUR MALBASE - BIRPARA) i (from CHUKHA HEP 4*8 132kV GELEPHU-SALA: 132kV MOTANGA-RANG NEPAL IMPORT (FROM 132kV MAHENDRANAG NEPAL IMPORT (FROM	0 1604 0 0 0 1557 0 0 0 1557 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. (from MANGDECHU I1,2,4 (& 400kU I1,2,4 (& 400kU I1,2,4 (& 400kU I1,2,4 (& 400kU II,2,4 (307 2003 1256 2013 2030 0 0 0 0 112 WR-SR Max (MW) -238 -265 -226 -31 -31 -77 -77 0	0.0 0.0 9.9 0.0 0.0 22.4 0.0 0.0 22.1 34.3 Min (MW) -15 207 -79 -1 0 0 0 -92	7.2 30.5 5.0 23.1 24.4 0.0 0.0 0.0 0.0 90.1 Import(Avg (MW) -152 -93 -170 -26 -1 0 -56	-30.5 4.9 -23.1 -24.4 22.4 0.0 0.0 2.1 -55.8 +ve)/Export(-ve) Energy Exchange (MU) -3.65 -2.24 -4.07 -0.62 -0.03 0.00 -1.35
2 3 4 5 6 7 8 9	HVDC HVDC T65 kV 765 kV 765 kV 200 kV 220 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD WARORA-WARANGAL(NEW) KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER NER NER NER NER NR NR	2 2 2 2 2 2 1 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIPI HEP 4*180MW) 400kV TALA-BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI MALBASE - BIRPARA) i (from CHUKHA-BIRPA MALBASE - BIRPARA) i (from CHUKHA HEP 4*8 132kV GELEPHU-SALA: 132kV MOTANGA-RANG NEPAL IMPORT (FROM	0 1604 0 0 0 1557 0 0 0 1557 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. (from MANGDECHU I1,2,4 (& 400kU I1,2,4 (& 400kU I1,2,4 (& 400kU I1,2,4 (& 400kU II,2,4 (307 2003 1256 2013 2030 0 0 0 112 WR-SR Max (MW) -238 -265 -226 -31 -31 -77 -77	0.0 0.0 9.9 0.0 0.0 22.4 0.0 0.0 22.1 34.3 Min (MW) -15 207 -79 -1 0 0	7.2 30.5 5.0 23.1 24.4 0.0 0.0 0.0 0.0 90.1 Import(Avg (MW) -152 -93 -170 -26 -1 0 -56	-30.5 4.9 -23.1 -24.4 22.4 0.0 0.0 2.1 -55.8 +ve)/Export(-ve) Energy Exchange (MU) -3.65 -2.24 -4.07 -0.62 -0.03 0.00 -1.35
2 3 4 5 6 7 8 9	HVDC HVDC T65 kV 765 kV 765 kV 765 kV 220 kV 220 kV 220 kV State	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD WARORA-WARANGAL(NEW) KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER NER NER NER NER ER ER ER	2 2 2 2 2 1 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIPI HEP 4*180MW) 400kV TALA-BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI MALBASE - BIRARA) i (from CHUKHA-BIRPA MALBASE - BIRPARA) i (from CHUKHA-HEP 4*8 132kV GELEPHU-SALA: 132kV MOTANGA-RANG NEPAL IMPORT (FROM 132kV MAHENDRANAG NEPAL IMPORT (FROM 400kV DHALKEBAR-MI BHERAMARA B/B HVD	0 1604 0 0 0 1557 0 0 0 1557 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. (from MANGDECHU I1,2,4 (& 400kU I1,2,4 (& 400kU I1,2,4 (& 400kU IR,2,4 (& 220kU i.e. BIRAGURI IEP 6*170MW) KATI GIA I UP) GAR-TANAKPUR(NHPC) I BIHAR) UZAFFARPUR 1&2 C (B'DESH)	307 2003 1256 2013 2030 0 0 0 0 112 WR-SR Max (MW) -238 -265 -226 -31 -31 -77 -77 0 -417 -780	0.0 0.0 9.9 0.0 0.0 22.4 0.0 0.0 22.1 34.3 Min (MW) -15 207 -79 -1 0 0 0 -92	7.2 30.5 5.0 23.1 24.4 0.0 0.0 0.0 0.0 90.1 Import(Avg (MW) -152 -93 -170 -26 -1 0 -56	-30.5 4.9 -23.1 -24.4 22.4 0.0 0.0 2.1 -55.8 +ve)/Export(-ve) Energy Exchange (MU) -3.65 -2.24 -4.07 -0.62 -0.03 0.00 -1.35 0.00 -7.88
2 3 4 5 6 7 8 9	HVDC HVDC T65 kV 765 kV 765 kV 200 kV 220 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD WARORA-WARANGAL(NEW) KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER NER NER NER NER NER ER	2 2 2 2 2 2 1 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIPT HEP 4*180MW) 400kV TALA-BINAGUR MALBASE - BINAGUR MALBASE - BINAGUR MALBASE - BIRPARA) i (from CHUKHA HEP 4*8 132kV GELEPHU-SALA: 132kV MOTANGA-RANG NEPAL IMPORT (FROM 132kV MAHENDRANAG NEPAL IMPORT (FROM	0 1604 0 0 0 1557 0 0 0 1557 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. (from MANGDECHU I1,2,4 (& 400kU I1,2,4 (& 400kU I1,2,4 (& 400kU IR,2,4 (& 220kU i.e. BIRAGURI IEP 6*170MW) KATI GIA I UP) GAR-TANAKPUR(NHPC) I BIHAR) UZAFFARPUR 1&2 C (B'DESH)	307 2003 1256 2013 2030 0 0 0 0 112 WR-SR Max (MW) -238 -265 -226 -31 -31 -77 -77 0	0.0 0.0 9.9 0.0 0.0 22.4 0.0 0.0 22.1 34.3 Min (MW) -15 207 -79 -1 0 0 0 -92	7.2 30.5 5.0 23.1 24.4 0.0 0.0 0.0 0.0 90.1 Import(Avg (MW) -152 -93 -170 -26 -1 0 -56	-30.5 4.9 -23.1 -24.4 22.4 0.0 0.0 0.0 2.1 -55.8 +ve)/Export(-ve) Energy Exchange (MU) -3.65 -2.24 -4.07 -0.62 -0.03 0.00 -1.35
2 3 4 5 6 7 8 9	HVDC HVDC T65 kV 765 kV 765 kV 765 kV 220 kV 220 kV 220 kV State	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD WARORA-WARANGAL(NEW) KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN' Region ER ER NER NER NER NER ER ER ER	2 2 2 2 2 1 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIPI HEP 4*180MW) 400kV TALA-BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI MALBASE - BIRARA) i (from CHUKHA-BIRPA MALBASE - BIRPARA) i (from CHUKHA-HEP 4*8 132kV GELEPHU-SALA: 132kV MOTANGA-RANG NEPAL IMPORT (FROM 132kV MAHENDRANAG NEPAL IMPORT (FROM 400kV DHALKEBAR-MI BHERAMARA B/B HVD	0 1604 0 0 0 1557 0 0 0 1557 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. (from MANGDECHU I1,2,4 (& 400kU I1,2,4 (& 400kU I1,2,4 (& 400kU IR,2,4 (& 220kU i.e. BIRAGURI IEP 6*170MW) KATI GIA I UP) GAR-TANAKPUR(NHPC) I BIHAR) UZAFFARPUR 1&2 C (B'DESH)	307 2003 1256 2013 2030 0 0 0 0 112 WR-SR Max (MW) -238 -265 -226 -31 -31 -77 -77 0 -417 -780	0.0 0.0 9.9 0.0 0.0 22.4 0.0 0.0 22.1 34.3 Min (MW) -15 207 -79 -1 0 0 0 -92	7.2 30.5 5.0 23.1 24.4 0.0 0.0 0.0 0.0 90.1 Import(Avg (MW) -152 -93 -170 -26 -1 0 -56	-30.5 4.9 -23.1 -24.4 22.4 0.0 0.0 0.0 2.1 -55.8 +ve)/Export(-ve) Energy Exchange (MU) -3.65 -2.24 -4.07 -0.62 -0.03 0.00 -1.35 0.00 -7.88

CROSS BORDER EXCHANGE SCHEDULE

Date of Reporting: 18-Jan-2024

Export From India (in MU)

Export From In					T-GNA				
	GNA (ISGS/PPA)	COLLECTIVE							-
Country		BILATERAL TOTAL	IDAM			RTM			TOTAL
			IEX	PXIL	HPX	IEX	PXIL	HPX	
Bhutan	0.00	0.00	11.17	0.00	0.00	0.17	0.00	0.00	11.34
Nepal	0.23	0.00	7.55	0.00	0.00	0.08	0.00	0.00	7.86
Bangladesh	16.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16.63
Myanmar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Export	16.86	0.00	18.72	0.00	0.00	0.25	0.00	0.00	35.83

Import by India(in MU)

Total Net

-16.38

0.00

-18.72

		T-GNA							
	GNA (ISGA/PPA)	COLLECTIVE							7
Country		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	0.00	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	0.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.48

Net from India(in MU) -ve : Export / +ve : Import T-GNA COLLECTIVE **GNA** (ISGS/PPA) IDAM BILATERAL RTM TOTAL Country TOTAL IEX PXIL HPX IEX PXIL HPX 0.48 0.00 -11.17 -0.17 0.000.00 Bhutan 0.000.00-10.86 -0.23 0.00 -7.55 0.00 0.00 -0.08 0.00 0.00-7.86 Nepal Bangladesh -16.63 0.000.000.000.000.000.000.00-16.63 0.00 0.000.00 0.000.000.000.00 0.00 0.00Myanmar

0.00

0.00

-0.25

0.00

0.00

-35.35