

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

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

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Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 30<sup>th</sup> January 2023

To,

- 1. कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के.,14 , गोल्फ क्लब रोड , कोलकाता 700033 Executive Director, ERLDC, 14 Golf Club Road, Tollygunge, Kolkata, 700033
- कार्यकारी निदेशक, ऊ. क्षे. भा. प्रे. के., 18/ ए, शहीद जीत सिंह सनसनवाल मार्ग, नई दिल्ली 110016
   Executive Director, NRLDC, 18-A, Shaheed Jeet Singh Marg, Katwaria Sarai, New Delhi 110016
- 3. कार्यकारी निदेशक, प .क्षे .भा .प्रे .के., एफ3-, एम आई डी सी क्षेत्र , अंधेरी, मुंबई –400093 Executive Director, WRLDC, F-3, M.I.D.C. Area, Marol, Andheri (East), Mumbai-400093
- 4. कार्यकारी निदेशक, ऊ. पू. क्षे. भा. प्रे. के., डोंगतिएह, लोअर नोंग्रह , लापलंग, शिलोंग 793006 Executive Director, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
- 5. कार्यकारी निदेशक , द .क्षे .भा .प्रे .के.,29 , रेस कोर्स क्रॉस रोड, बंगलुरु –560009 Executive Director, SRLDC, 29, Race Course Cross Road, Bangalore-560009

Sub: Daily PSP Report for the date 29.01.2023.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 29- जनवरी -2023 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 29<sup>th</sup> January 2023, is available at the NLDC website.

धन्यवाद.

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



Report for previous day A. Power Supply Position at All India and Regional level		Date	Date of Reporting:			
	NR	WR	SR	ER	NER	TOTAL
Demand Met during Evening Peak hrs(MW) (at 19:00 hrs; from RLDCs)	46171	53998	40506	18713	2545	161933
Peak Shortage (MW)	0	0	0	0	0	0
Energy Met (MU)	1023	1354	1040	423	46	3886
Hydro Gen (MU)	112	28	61	28	8	237
Wind Gen (MU)	13	84	74		-	170
Solar Gen (MU)*	89.70	47.55	128.45	2.73	0.68	269
Energy Shortage (MU)	0.66	0.00	0.00	1.66	0.00	2.32
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	53037	65446	54085	20659	2620	191687
Time Of Maximum Demand Met (From NLDC SCADA)	11:30	10:26	12:30	18:21	18:02	10:43

B. Frequency P	rofile (%)						
Region	FVI	< 49.7	49.7 - 49.8	49.8 - 49.9	< 49.9	49.9 - 50.05	> 50.05
All India	0.128	0.00	3.39	15.31	18.70	52.57	28.72

	ply Position in States	Max.Demand	Shortage during	Energy Met	Drawal	OD(+)/UD(-)	Max OD	Energy
Region	States	Met during the	maximum	(MU)	Schedule	(3.00)	0.000	Shortag
Ü		dav(MW)	Demand(MW)	(MU)	(MU)	(MU)	(MW)	(MU)
	Puniab	7201	0	137.4	43.1	0.2	125	0.00
	Haryana	6351	0	119.0	54.1	-2.4	154	0.00
	Rajasthan	12881	0	252.1	65.5	-7.0	95	0.53
	Delhi	4433	0	70.9	61.4	-2.0	316	0,00
NR	UP	16180	0	301.1	77.2	-1.9	245	0.00
	Uttarakhand	2126	0	41.0	32.8	-0.6	145	0.13
	HP	1839	0	33.1	27.1	-0.5	70	0.00
	J&K(UT) & Ladakh(UT)	2930	0	64.3	62.2	-2.4	28	0.00
	Chandigarh	231	0	4.0	4.0	0.0	39	0.00
	Chhattisgarh	4944	0	110.3	59.3	-0.6	283	0.00
	Gujarat	16685	0	346.8	229.2	-3.2	585	0.00
	MP	14808	0	286.3	165,3	0.0	396	0.00
WR	Maharashtra	26835	0	540.4	172.4	-0.9	604	0.00
	Goa	604	0	14.4	11.2	2.8	55	0.00
	DNHDDPDCL	1175	0	27.5	27.6	-0.1	96	0.00
	AMNSIL	724	0	15.5	7.9	0.5	249	0.00
	BALCO	518	0	12.3	12.4	-0.1	3	0.00
	Andhra Pradesh	11433	0	204.7	65.6	-0.4	480	0.00
	Telangana	13497	0	235.6	99.0	0.8	975	0.00
SR	Karnataka	12985	0	229.3	84.5	-2.0	497	0.00
	Kerala	3501	0	69.1	57.2	0.0	125	0.00
	Tamil Nadu	14592	0	293.6	168.7	-0.9	494	0.00
	Puducherry	353	0	8.0	7.7	-0.5	31	0.00
	Bihar	4882	0	86.9	76.5	-2.0	245	0.82
	DVC	3582	0	73.7	-44.1	0.3	300	0.84
	Jharkhand	1604	0	28.5	21.6	-2.1	147	0.00
ER	Odisha	4678	0	104.4	39.6	0.5	120	0.00
	West Bengal	6366	0	127.6	-0.4	-2.7	209	0.00
	Sikkim	101	0	1.5	1.6	-0.1	21	0.00
	Arunachal Pradesh	142	0	2.5	2.6	-0.2	26	0.00
	Assam	1462	0	25.9	19.3	0.1	102	0.00
	Manipur	216	0	3.1	3.3	-0.2	15	0.00
NER	Meghalaya	350	0	6.9	6.4	-0.2	16	0.00
	Mizoram	119	0	2.1	1.7	-0.2	6	0.00
	Nagaland	137	0	2.1	2.1	-0.2	23	0.00
	Tripura	228	0	3.7	2.2	-0.2	21	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	-1.7	-10.9	-24.3
Day Peak (MW)	-209.6	-319.7	-1071.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	112.4	-62.5	112.2	-159.6	-2.6	0.0
Actual(MU)	107.9	-63.2	116.4	-166.2	-1.4	-6.3
O/D/U/D(MU)	-4.5	-0.7	4.3	-6.6	1.2	-6.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	8038	14266	7148	1845	629	31925	48
State Sector	7420	17536	7203	2730	98	34987	52
Total	15458	31802	14351	4575	727	66912	100
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G. Sourcewise generation (Gross) (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	696	1298	574	633	14	3215	76
Lignite	30	21	56	0	0	108	3
Hydro	112	28	61	28	8	237	6
Nuclear	26	36	76	0	0	139	3
Gas, Naptha & Diesel	15	3	7	0	32	57	1
RES (Wind, Solar, Biomass & Others)	128	133	225	3	1	490	12
Total	1009	1520	999	664	55	4246	100
Share of RES in total generation (%)	12.74	8.77	22.50	0.41	1.25	11.54	Í
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation(%)	26.46	12.99	36.21	4.64	16.23	20.39	l

H.	All India	Demand	Diversity	Factor

Based on Regional Max Demands	1.022
Based on State Max Demands	1.047

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.

\*Note: All generation MU figures are gross

## INTER-REGIONAL EXCHANGES

Import=(+ve) /Export =(-ve) for NET (MU) Date of Reporting: 30-Jan-2023

Sl No Voltage Level							
51.10 Tollage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Date of Reporting: Export (MU)	30-Jan-2023 NET (MU)
T 1/87		No. of Circuit	max import (MW)	max export (MW)	import (MU)	Export (MU)	NEI (MU)
Import/Export of ER					0.7	6.0	0.0
1 HVDC 2 HVDC	ALIPURDUAR-AGRA PUSAULI B/B	<del>  2</del>	0	0 299	0.0 0.0	0.0 7.3	0.0 -7.3
3 765 kV	GAYA-VARANASI	2	0	1035	0.0	16.7	-16.7
4 765 kV	SASARAM-FATEHPUR	ĩ	0	452	0.0	7.3	-7.3
5 765 kV	GAYA-BALIA	1	0	577	0.0	9.4	-9.4
6 400 kV 7 400 kV	PUSAULI-VARANASI	1	0	219	0.0	4.3 2.9	-4.3
7 400 kV 8 400 kV	PUSAULI -ALLAHABAD MUZAFFARPUR-GORAKHPUR	1 2	0	163 824	0.0	10.3	-2.9 -10.3
9 400 kV	PATNA-BALIA	2	0	604	0.0	10.3	-10.3
10 400 kV	NAUBATPUR-BALIA	2	0	644	0.0	11.0	-11.0
11 400 kV	BIHARSHARIFF-BALIA	2	20	313	0.0	3.5	-3.5
12 400 kV 13 400 kV	MOTIHARI-GORAKHPUR BIHARSHARIFF-VARANASI	2	0	554 375	0.0 0.0	8.8 6.1	-8.8 -6.1
14 220 kV	SAHUPURI-KARAMNASA	1	0	102	0.0	1.3	-0.1
15 132 kV	NAGAR UNTARI-RIHAND	i	0	0	0.0	0.0	0.0
16 132 kV	GARWAH-RIHAND	1	25	0	0.5	0.0	0.5
17 132 kV 18 132 kV	KARMANASA-SAHUPURI	1	0	0	0.0	0.0	0.0
18 132 kV	KARMANASA-CHANDAULI		U	ER-NR	0.5	99.1	-98.7
Import/Export of ER	(With WR)			ER-M)	U.S	77.1	-20./
1 765 kV	JHARSUGUDA-DHARAMJAIGARH	4	1287	0	18.5	0.0	18.5
2 765 kV	NEW RANCHI-DHARAMJAIGARH	2	135	0	0.0	2.6	-2.6
3 765 kV	JHARSUGUDA-DURG	2	0	461	0.0	7.8	-7.8
4 400 kV	JHARSUGUDA-RAIGARH	4	0	760	0.0	12.2	-12.2
5 400 kV		2	0	240	0.0	2.6	-2.6
	RANCHI-SIPAT						
6 220 kV	BUDHIPADAR-RAIGARH	1	0	218	0.0	3.4	-3.4
7 220 kV	BUDHIPADAR-KORBA	2	35	91	0.0	0.6	-0.6
	•			ER-WR	18.5	29.2	-10.6
Import/Export of ER	(With SR)						- 210
1 HVDC	JEYPORE-GAZUWAKA B/B	2	0	274	0.0	6.1	-6.1
2 HVDC	TALCHER-KOLAR BIPOLE	2	ŏ	1990	0.0	42.4	-42.4
3 765 kV	ANGUL-SRIKAKULAM	2	Ŏ	3118	0.0	61.1	-61.1
4 400 kV	TALCHER-I/C	2	164	727	0.0	10.0	-10.0
5 220 kV	BALIMELA-UPPER-SILERRU	ĩ	0	0	0.0	0.0	0.0
				ER-SR	0.0	109.6	-109.6
Import/Export of ER	(With NER)						107.0
1 400 kV	BINAGURI-BONGAIGAON	2	192	34	2.3	0.0	2.3
2 400 kV	ALIPURDUAR-BONGAIGAON	2	675	18	9,3	0.0	9.3
3 220 kV	ALIPURDUAR-SALAKATI	2	60	5	0.9	0.0	0.9
	The Carte of the C	•		ER-NER	12.5	0.0	12.5
Import/Export of NE	R (With NR)				7.210		1210
1 HVDC	BISWANATH CHARIALI-AGRA	2	485	0	11.5	0.0	11.5
			100	NER-NR	11.5	0.0	11.5
Import/Export of WR	(With NR)				****		7710
1 HVDC	CHAMPA-KURUKSHETRA	2	0	2004	0.0	12.0	-12.0
2 HVDC	VINDHYACHAL B/B	-	200	0	4.7	0.0	4.7
3 HVDC	MUNDRA-MOHINDERGARH	2	0	Ö	0.0	0.0	0.0
4 765 kV	GWALIOR-AGRA	2	ŏ	2135	0.0	25.1	-25.1
5 765 kV	GWALIOR-PHAGI	2	Ŏ	1867	0.0	26.4	-26.4
6 765 kV	JABALPUR-ORAI	2	Ŏ	777	0.0	22.1	-22.1
7 765 kV	GWALIOR-ORAI	1	1081	0	18.1	0.0	18.1
8 765 kV	SATNA-ORAI	i	0	869	0.0	15.7	-15.7
9 765 kV	BANASKANTHA-CHITORGARH	2	2352	0	37.9	0.0	37.9
10 765 kV		2	0			17.1	
				1318			
	VINDHYACHAL-VARANASI ZERDA-KANKROLI	1		1318	0.0 5 9		-17.1 5 9
11 400 kV	ZERDA-KANKROLI	1	401	0	5.9	0.0	5.9
11 400 kV 12 400 kV	ZERDA-KANKROLI ZERDA -BHINMAL	1 1	401 636	0	5.9 7.8	0.0 0.0	5.9 7.8
11 400 kV 12 400 kV 13 400 kV	ZERDA-KANKROLI ZERDA -BHINMAL VINDHYACHAL -RIHAND	1 1 1 2	401 636 941	0 0 0	5.9 7.8 11.9	0.0 0.0 0.0	5.9 7.8 11.9
11 400 kV 12 400 kV 13 400 kV 14 400 kV	ZERDA-KANKROLI ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR	1 1 1 2	401 636 941 375	0 0 0 410	5.9 7.8 11.9 1.8	0.0 0.0 0.0 1.6	5.9 7.8 11.9 0.2
11 400 kV 12 400 kV 13 400 kV 14 400 kV 15 220 kV	ZERDA-KANKROLI ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR	1 1 1 2 1	401 636 941 375 0	0 0 0 410 166	5.9 7.8 11.9 1.8 0.0	0.0 0.0 0.0 1.6 1.5	5.9 7.8 11.9 0.2 -1.5
11 400 kV 12 400 kV 13 400 kV 14 400 kV 15 220 kV 16 220 kV	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK	1 1 1 2 1 1	401 636 941 375 0	0 0 0 410 166 30	5.9 7.8 11.9 1.8 0.0 0.0	0.0 0.0 0.0 1.6 1.5	5.9 7.8 11.9 0.2 -1.5 -1.6
11 400 kV 12 400 kV 13 400 kV 14 400 kV 15 220 kV 16 220 kV 17 220 kV	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA	1 1 1	401 636 941 375 0 0	0 0 410 166 30 0	5.9 7.8 11.9 1.8 0.0 0.0	0.0 0.0 0.0 1.6 1.5 1.6 0.0	5.9 7.8 11.9 0.2 -1.5 -1.6 1.1
11 400 kV 12 400 kV 13 400 kV 14 400 kV 15 220 kV 16 220 kV 17 220 kV 18 220 kV	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJAL-PUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA	1 1 1 2 1 1 1 1	401 636 941 375 0 0 113	0 0 0 410 166 30 0	5.9 7.8 11.9 1.8 0.0 0.0 1.1 1.6	0.0 0.0 0.0 1.6 1.5 1.6 0.0	5.9 7.8 11.9 0.2 -1.5 -1.6 1.1
11	ZERDA-KANKROLI ZERDA-BHISMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR	1 1 1 1 1 1	401 636 941 375 0 0 113 84	0 0 410 166 30 0	5.9 7.8 11.9 1.8 0.0 0.0 1.1 1.6 0.0	0.0 0.0 0.0 1.6 1.5 1.6 0.0 0.0	5.9 7.8 11.9 0.2 -1.5 -1.6 1.1 1.6 0.0
11 400 kV 12 400 kV 13 400 kV 14 400 kV 15 220 kV 16 220 kV 17 220 kV 18 220 kV	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJAL-PUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA	1 1 1	401 636 941 375 0 0 113	0 0 0 410 166 30 0	5.9 7.8 11.9 1.8 0.0 0.0 1.1 1.6 0.0	0.0 0.0 0.0 1.6 1.5 1.6 0.0 0.0 0.0	5.9 7.8 11.9 0.2 -1.5 -1.6 1.1 1.6 0.0
11 400 kV 12 400 kV 13 400 kV 14 400 kV 15 220 kV 16 220 kV 17 220 kV 18 220 kV 19 132 kV 20 132 kV	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR	1 1 1 1 1 1	401 636 941 375 0 0 113 84	0 0 410 166 30 0	5.9 7.8 11.9 1.8 0.0 0.0 1.1 1.6 0.0	0.0 0.0 0.0 1.6 1.5 1.6 0.0 0.0	5.9 7.8 11.9 0.2 -1.5 -1.6 1.1 1.6 0.0
11   400 kV   12   400 kV   13   400 kV   14   400 kV   15   220 kV   16   220 kV   17   220 kV   18   220 kV   19   132 kV   20   132 kV   Import/Export of WR	ZERDA-KANKROLI ZERDA-SHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPUR-ARANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR)	1 1 1 1 1 1	401 636 941 375 0 0 113 84 0	0 0 0 410 166 30 0 0 0 WR-NR	5.9 7.8 11.9 1.8 0.0 0.0 1.1 1.6 0.0 0.0 90.6	0.0 0.0 0.0 1.6 1.5 1.6 0.0 0.0 0.0 123.1	5.9 7.8 11.9 0.2 -1.5 -1.6 1.1 1.6 0.0 0.0
11	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALASPURA-URAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B	1 1 1 1 1 1 2	401 6.36 941 375 0 0 113 84 0 0	0 0 0 410 166 30 0 0 0 WR-NR	5.9 7.8 11.9 1.8 0.0 0.0 1.1 1.6 0.0 90.6	0.0 0.0 0.0 1.6 1.5 1.6 0.0 0.0 0.0 123.1	5.9 7.8 11.9 0.2 -1.5 -1.6 1.1 1.6 0.0 0.0 -32.5
11	ZERDA-KANKROLI ZERDA-BIISMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B BHADRAWATI B/B RAIGARI-PUGALUR	1 1 1 1 1 1 2	401 636 941 375 0 0 113 84 0 0	0 0 0 410 166 30 0 0 0 WR-NR	5.9 7.8 11.9 1.8 0.0 0.0 1.1 1.6 0.0 0.0 90.6	0.0 0.0 0.0 1.6 1.5 1.6 0.0 0.0 0.0 123.1 10.3 9.1	5.9 7.8 11.9 0.2 -1.5 -1.6 1.1 1.6 0.0 0.0 -32.5
111 400 kV 12 400 kV 13 400 kV 14 400 kV 15 220 kV 16 220 kV 17 220 kV 19 132 kV 19 132 kV Import/Export of WR 1 HVDC 2 HVDC 3 765 kV	ZERDA-KANKROLI ZERDA-SHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPUR-ARNPUR BHANPUR-ANDORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR	1 1 1 1 1 1 2	401 636 941 375 0 0 113 84 0 0	0 0 0 410 166 30 0 0 0 WR-NR	5.9 7.8 11.9 1.8 0.0 0.0 1.1 1.6 0.0 90.6	0.0 0.0 0.0 1.6 1.5 1.5 0.0 0.0 0.0 123.1 10.3 9.1 15.4	5.9 7.8 11.9 0.2 -1.5 -1.6 1.1 1.6 0.0 -32.5 -10.3 1.3 -15.3
11	ZERDA-KANKROLI ZERDA-BIISMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANFURA-RANFUR BHANFURA-MORAK MEHGAON-AURAIYA MALANFUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAJGARI-PUGALUR SOLAPUR-RAICHUR	1 1 1 1 1 1 2	401 636 941 375 0 0 0 113 84 0 0	0 0 0 410 166 30 0 0 0 WR-NR 999 1502 1501 2528	5.9 7.8 11.9 1.8 0.0 0.0 1.1 1.6 0.0 90.6 0.0 10.3 0.1	0.0 0.0 0.0 1.6 1.5 1.6 0.0 0.0 0.0 123.1 10.3 9.1 15.4	5.9 7.8 11.9 0.2 -1.5 -1.6 1.1 1.6 0.0 0.0 -32.5 -10.3 -15.3 -41.1
11	ZERDA-KANKROLI ZERDA-ASHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGAR-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI	1 1 1 1 1 1 2 2 2 2 2 2	401 6.36 9.41 3.75 0 0 0 11.13 8.4 0 0 0	0 0 0 410 166 30 0 0 0 WR-NR 999 1502 1501 2528 0	5.9 7.8 11.9 1.8 0.0 0.0 1.1 1.6 0.0 90.6 0.0 10.3 0.1 0.1 0.0	0.0 0.0 0.0 1.6 1.5 1.6 0.0 0.0 0.0 123.1 10.3 9.1 15.4 41.1 0.0	5.9 7.8 11.9 0.2 -1.5 -1.6 1.1 1.6 0.0 -32.5 -10.3 -15.3 -41.1 23.6
111	ZERDA-KANKROLI ZERDA-BHISMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-RUIGGI KOLHAPUR-RUIGGI	1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2	401 636 941 375 0 0 113 84 0 0 0 1449 301 0	0 0 0 410 166 30 0 0 0 WR-NR 999 1502 1501 2528	5.9 7.8 11.9 1.8 0.0 0.0 1.1 1.6 0.0 0.0 90.6 90.6 10.3 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 1.6 1.5 1.6 0.0 0.0 0.0 123.1 10.3 9.1 15.4 41.1 0.0	5.9 7.8 11.9 0.2 -1.5 -1.6 1.1 1.6 0.0 0.0 -32.5 -10.3 -15.3 -41.1 23.6 0.0
11	ZERDA-KANKROLI ZERDA-ABIINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-RUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI	1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2	401 6.36 9.41 3.75 0 0 0 11.13 8.4 0 0 0	0 0 0 410 166 30 0 0 0 WR-NR 999 1502 1501 2528 0	5.9 7.8 11.9 1.8 0.0 0.0 1.1 1.6 0.0 90.6 0.0 10.3 0.1 0.0 23.6 0.0	0.0 0.0 0.0 1.6 1.5 1.6 0.0 0.0 0.0 1.6 1.5 1.6 0.0 0.0 0.0 1.6 1.5 1.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	5.9 7.8 11.9 0.2 -1.5 -1.6 1.1 1.6 0.0 0.0 -32.5 -10.3 -15.3 -15.3 -41.1 -23.6 0.0 0.0
111	ZERDA-KANKROLI ZERDA-BHISMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-RUIGGI KOLHAPUR-RUIGGI	1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2	401 6.66 941 375 0 0 113 84 0 0 0 0 1449 301 1447 0	0 0 0 410 166 30 0 0 0 WR-NR 999 1502 1501 2528 0	5.9 7.8 11.9 0.0 0.0 1.1 1.6 0.0 0.0 90.6 0.0 10.3 0.1 0.0 0.0 0.0 10.3 0.1 1.1 1.1 1.2 1.3 1.4 1.5 1.5 1.5 1.6 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7	0.0 0.0 0.0 1.6 1.5 1.6 0.0 0.0 0.0 123.1 10.3 9.1 15.4 41.1 0.0	5.9 7.8 11.9 0.2 -1.5 -1.6 1.1 1.6 0.0 0.0 32.5 -10.3 -15.3 -41.1 23.6 0.0 0.0
11	ZERDA-KANKROLI ZERDA-KHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANFURA-RANFUR BHANFURA-MORAK MEHGAON-AURAIYA MALANFUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B BHADRAWATI B/B RAJGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI	1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 1 1 1 1	01 401 636 944 375 0 0 0 113 84 0 0 0 0 0 1449 301 1447 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 410 166 30 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5.9 7.8 11.9 1.8 0.0 0.0 1.1 1.6 0.0 90.6 0.0 10.3 0.1 0.0 23.6 0.0	0.0 0.0 0.0 1.6 1.5 1.6 0.0 0.0 0.0 123.1 10.3 9.1 15.4 41.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0	5.9 7.8 11.9 0.2 -1.5 -1.6 1.1 1.6 0.0 0.0 -32.5 -10.3 -13 -15.3 -41.1 23.6 0.0 0.0 0.0 -1.1 -40.7
111	ZERDA-KANKROLI ZERDA-KHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANFURA-RANFUR BHANFURA-MORAK MEHGAON-AURAIYA MALANFUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B BHADRAWATI B/B RAJGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI	1 1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2	401 6.36 941 375 0 0 113 84 0 0 1449 301 1447 0 0 0 CHANGES	0 0 0 410 166 30 0 0 0 WR-NR 999 1502 1501 2528 0 0	5.9 7.8 11.9 1.8 0.0 0.0 0.0 1.1 1.6 0.0 90.6 0.0 10.3 0.1 0.0 23.6 0.0 0.0 1.1 35.2	0.0 0.0 0.0 1.6 1.5 1.6 0.0 0.0 0.0 0.0 1.5 1.5 1.6 0.0 0.0 0.0 0.0 123.1 10.3 9.1 15.4 41.1 0.0 0.0 0.0 0.0 0.0 15.4 11.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	5.9 7.8 11.9 0.2 -1.5 -1.6 -1.1 1.6 0.0 0.0 -32.5 -10.3 -1.3 -15.3 -41.1 23.6 0.0 0.0 -0.0 +ve/Export(-ve)
11	ZERDA-KANKROLI ZERDA-KHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANFURA-RANFUR BHANFURA-MORAK MEHGAON-AURAIYA MALANFUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B BHADRAWATI B/B RAJGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	401 636 941 375 0 0 113 84 0 0 1449 1449 0 0 1447 0 0 0 CHANGES	0 0 0 410 166 30 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5.9 7.8 11.9 0.0 0.0 1.1 1.6 0.0 0.0 90.6 0.0 10.3 0.1 0.0 0.0 0.0 10.3 0.1 1.1 1.1 1.2 1.3 1.4 1.5 1.5 1.5 1.6 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7	0.0 0.0 0.0 1.6 1.5 1.6 0.0 0.0 0.0 123.1 10.3 9.1 15.4 41.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0	5.9 7.8 11.9 0.2 -1.5 -1.6 1.1 1.6 0.0 0.0 -32.5 -10.3 -13 -15.3 -41.1 23.6 0.0 0.0 0.0 -1.1 -40.7
111	ZERDA-KANKROLI ZERDA-KANKROLI ZERDA-BIISMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANFURA-RANFUR BHANFURA-MORAK MEHGAON-AURAIYA MALANFUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUEGI KOLHAPUR-KUEGI KOLHAPUR-KUEGI KOLHAPUR-KUEGI KOLHAPUR-KUEGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN Region	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	401 6.36 9.41 3.75 0 0 1113 8.4 9.0 0 1449 0 0 1447 0 0 0 CHANGES Name	999 1502 1501 0 0 410 166 30 0 0 0 WR-NR 999 1502 1501 2528 0 0 0 0 84 WR-SR	5.9 7.8 11.9 1.8 0.0 0.0 1.1 1.6 0.0 90.6  90.6  0.0 10.3 0.1 0.0 23.6 0.0 1.1 35.2	0.0 0.0 0.0 1.6 1.5 1.6 0.0 0.0 0.0 1.3 1.5 1.6 0.0 0.0 0.0 0.0 123.1 10.3 9.1 15.4 41.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	5.9 7.8 11.9 0.2 -1.15 -1.6 1.1 1.6 0.0 0.0 -32.5 -10.3 -15.3 -15.3 -41.1 23.6 0.0 0.0 0.0 -1.5 -1.5 -1.6 -1.0 -1.6 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0
111	ZERDA-KANKROLI ZERDA-KHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANFURA-RANFUR BHANFURA-MORAK MEHGAON-AURAIYA MALANFUR-AURAIYA MALANFUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B BHADRAWATI B/B RAJGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUIGGI KOLHAPUR-KUIGGI KOLHAPUR-KUIGGI ROLHAPUR-KUIGGI ROLHAPUR-KUIGGI ROLHAPUR-CHIKODI PONDA-AMBEWADI	1	401 6.36 9.41 3.75 0 0 1113 8.4 9.0 0 1449 0 0 1447 0 0 0 CHANGES Name	0 0 0 410 166 30 0 0 0 WR-NR 999 1502 1501 2528 0 0	5.9 7.8 11.9 1.8 0.0 0.0 0.0 1.1 1.6 0.0 90.6 0.0 10.3 0.1 0.0 23.6 0.0 0.0 1.1 35.2	0.0 0.0 0.0 1.6 1.5 1.6 0.0 0.0 0.0 0.0 1.5 1.5 1.6 0.0 0.0 0.0 0.0 123.1 10.3 9.1 15.4 41.1 0.0 0.0 0.0 0.0 0.0 15.4 11.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	5.9 7.8 11.9 0.2 -1.5 -1.6 1.1 1.6 0.0 0.0 -32.5 -10.3 -15.3 -15.3 -41.1 23.6 0.0 0.0 1.1 +ve/Export(-ve) Energy Exchange
111	ZERDA-KANKROLI ZERDA-KANKROLI ZERDA-BIISMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANFURA-RANFUR BHANFURA-MORAK MEHGAON-AURAIYA MALANFUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUEGI KOLHAPUR-KUEGI KOLHAPUR-KUEGI KOLHAPUR-KUEGI KOLHAPUR-KUEGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN Region	1	401 6.66 9.41 3.75 0 0 1113 84 0 0 1449 3.01 1449 3.01 1447 0 0 0 CHANGES Name	999 1502 1501 0 0 410 166 30 0 0 0 WR-NR 999 1502 1501 2528 0 0 0 0 84 WR-SR	5.9 7.8 11.9 1.8 0.0 0.0 1.1 1.6 0.0 90.6  90.6  0.0 10.3 0.1 0.0 23.6 0.0 1.1 35.2	0.0 0.0 0.0 1.6 1.5 1.6 0.0 0.0 0.0 1.3 1.5 1.6 0.0 0.0 0.0 0.0 123.1 10.3 9.1 15.4 41.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	5.9 7.8 11.9 0.2 -1.5 -1.6 1.1 1.6 0.0 0.0 -32.5 -10.3 -15.3 -41.1 23.6 0.0 0.0 0.0 -10.3 -15.3 -44.1 -44.7 +ve\/\frac{\frac{\frac{1}{2}}{\frac{1}{2}}}{\frac{1}{2}}\frac{\frac{1}{2}}{\frac{1}{2}}}\frac{1}{2}}
111	ZERDA-KANKROLI ZERDA-KANKROLI ZERDA-BIISMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANFURA-RANFUR BHANFURA-MORAK MEHGAON-AURAIYA MALANFUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUEGI KOLHAPUR-KUEGI KOLHAPUR-KUEGI KOLHAPUR-KUEGI KOLHAPUR-KUEGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN Region	1	401 636 941 375 0 0 113 84 0 0 1449 0 0 1449 301 0 1447 0 0 0 CHANGES Name PURDUR 128 14E. mm MANGECHU HEP 416 400KY MALEASE.	999 1502 1501 0 0 410 166 30 0 0 0 WR-NR 999 1502 1501 2528 0 0 0 0 84 WR-SR	5.9 7.8 11.9 1.8 0.0 0.0 1.1 1.6 0.0 90.6  90.6  0.0 10.3 0.1 0.0 23.6 0.0 1.1 35.2	0.0 0.0 0.0 1.6 1.5 1.6 0.0 0.0 0.0 1.3 1.5 1.6 0.0 0.0 0.0 0.0 123.1 10.3 9.1 15.4 41.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	5.9 7.8 11.9 0.2 -1.5 -1.6 1.1 1.6 0.0 0.0 -32.5 -10.3 -15.3 -41.1 23.6 0.0 0.0 0.0 -10.3 -15.3 -44.1 -44.7 +ve\/\frac{\frac{\frac{1}{2}}{\frac{1}{2}}}{\frac{1}{2}}\frac{\frac{1}{2}}{\frac{1}{2}}}\frac{1}{2}}
111	ZERDA-KANKROLI ZERDA-BHISMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHANIZAMABAD KOLHAPUR-RUDGI KOLHAPUR-RUDGI KOLHAPUR-RUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI  IN Region  ER	1	401 403 636 941 375 0 0 113 84 0 0 11449 301 0 1447 0 0 0 CHANGES Name PURBUAR 1,283 Le. BIRDHAR 1,283 Le. ECERPT (from TALA HEP	0 0 0 0 410 166 30 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5.9 7.8 11.9 1.8 0.0 0.0 1.1 1.6 0.0 0.0 90.6  90.6  10.3 0.1 0.0 23.6 0.0 0.0 1.1 35.2	0.0 0.0 0.0 1.6 1.5 1.6 0.0 0.0 0.0 0.0 123.1 10.3 9.1 15.4 41.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	5.9 7.8 11.9 0.2 -1.5 -1.6 1.1 1.6 0.0 0.0 -32.5 -10.3 -15.3 -15.3 -41.1 23.6 0.0 0.0 1.1 -40.7 +ve)/Export(-ve) Energy Exchange
111	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WORAH MALAPPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJCHAT-LALJITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RIJCHUR WARDHA-NIZ-MABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI  REGION  REGION  REGION	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	401 636 636 941 375 0 0 113 84 0 0 1449 0 1449 301 0 1447 0 0 0 CHANGES Name PURDUAR 1,283 Le. mm MANGDEGUH HEP 4 (& 400K WALBASE- ECEBT (from TALA HEP) EXCELLENT (from TALA HEP) EX (& 200K WALBASE-	0 0 0 1 410 166 30 0 0 0 WR-NR  999 1502 1501 2528 0 0 0 0 WR-SR	5.9 7.8 11.9 1.8 0.0 0.0 1.1 1.6 0.0 0.0 0.0 1.1 1.6 0.0 0.0 0.0 10.3 0.1 0.1 0.0 0.0 0.0 0.1 0.1 0.0 0.0 0.0	0.0 0.0 0.0 1.6 1.5 1.6 0.0 0.0 0.0 0.0 0.0 123.1 10.3 9.1 15.4 41.1 0.0 0.0 0.0 0.0 T5.9 Import	5.9 7.8 11.9 0.2 -1.5 -1.6 -1.1 1.6 0.0 0.0 -32.5 -10.3 -15.3 -15.3 -15.3 -41.1 -23.6 0.0 0.0 1.1 -40.7 +ve)/Export(-ve) Energy Exchange (MII) -1.85
111	ZERDA-KANKROLI ZERDA-BHISMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHANIZAMABAD KOLHAPUR-RUDGI KOLHAPUR-RUDGI KOLHAPUR-RUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI  IN Region  ER	1	401 636 636 941 375 0 0 113 84 0 0 1449 0 1449 301 0 1447 0 0 0 CHANGES Name PURDUAR 1,283 Le. mm MANGDEGUH HEP 4 (& 400K WALBASE- ECEBT (from TALA HEP) EXCELLENT (from TALA HEP) EX (& 200K WALBASE-	0 0 0 0 410 166 30 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5.9 7.8 11.9 1.8 0.0 0.0 1.1 1.6 0.0 0.0 90.6  90.6  10.3 0.1 0.0 23.6 0.0 0.0 1.1 35.2	0.0 0.0 0.0 1.6 1.5 1.6 0.0 0.0 0.0 0.0 123.1 10.3 9.1 15.4 41.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	5.9 7.8 11.9 0.2 -1.5 -1.6 1.1 1.6 0.0 0.0 -32.5 -10.3 -15.3 -15.3 -41.1 23.6 0.0 0.0 1.1 -40.7 +ve)/Export(-ve) Energy Exchange
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111 400 kV 12 400 kV 13 400 kV 14 400 kV 15 220 kV 16 220 kV 17 220 kV 18 220 kV 19 132 kV 20 132 kV 4 765 kV 4 765 kV 5 400 kV 6 220 kV 7 220 kV 8 220 kV	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WORAH MALAPPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJCHAT-LALJITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RIJCHUR WARDHA-NIZ-MABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI  REGION  REGION  REGION	1	401 401 636 941 375 0 0 113 84 94 113 84 0 0 1449 301 1447 0 0 0 CHANGES Name 0 CHANGES Name 4 (& 400KV MALBASE ECEPT (from TALA HEP) 163 (& 230KV MALBASE ECEPT (from CHUKHA HEP)	0 0 0 1 410 166 30 0 0 0 WR-NR  999 1502 1501 2528 0 0 0 0 WR-SR	5.9 7.8 11.9 1.8 0.0 0.0 1.1 1.6 0.0 0.0 0.0 1.1 1.6 0.0 0.0 0.0 10.3 0.1 0.1 0.0 0.0 0.0 0.1 0.1 0.0 0.0 0.0	0.0 0.0 0.0 1.6 1.5 1.6 0.0 0.0 0.0 0.0 0.0 123.1 10.3 9.1 15.4 41.1 0.0 0.0 0.0 0.0 T5.9 Import	5.9 7.8 11.9 0.2 -1.5 -1.6 -1.1 1.6 0.0 0.0 -32.5 -10.3 -15.3 -15.3 -15.3 -41.1 -23.6 0.0 0.0 1.1 -40.7 +ve)/Export(-ve) Energy Exchange (MII) -1.85
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111 400 kV 12 400 kV 13 400 kV 14 400 kV 15 220 kV 16 220 kV 17 220 kV 18 220 kV 19 132 kV 20 132 kV 4 765 kV 4 765 kV 5 400 kV 6 220 kV 7 220 kV 8 220 kV	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJAI-PUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WANIA MALANPUR-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJCHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RICHUR WARDHA-NIZAMABAD KOLHAPUR-RICHUR WARDHA-NIZAMABAD KOLHAPUR-RICHUR WARDHA-NIZAMABAD KOLHAPUR-RICHUR WARDHA-NIZAMABAD KOLHAPUR-RICHUR WARDHA-NIZAMABAD KOLHAPUR-RICHUR WARDHA-NIZAMABEWADI  FER  ER  ER  ER  ER	1 1 1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2	401 636 941 375 0 0 113 84 0 0 1143 90 0 1449 301 0 1449 301 0 1447 0 0 0 1448 1449 1464 1464 147 147 1484 1484 1484 1484 1484 1484	0 0 0 0 410 166 30 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5.9 7.8 11.9 1.8 0.0 0.0 1.1 1.6 0.0 0.0 90.6  90.6  10.3 0.1 0.0 23.6 0.0 0.0 1.1 35.2  Min (MW)	0.0 0.0 0.0 1.6 1.5 1.6 0.0 0.0 0.0 0.0 0.0 123.1 10.3 9.1 15.4 41.1 0.0 0.0 0.0 0.0 This provides of the second o	5.9 7.8 11.9 0.2 -1.5 -1.6 1.1 1.6 0.0 0.0 32.5 -10.3 -32.5 -10.3 -15.3 -41.1 23.6 0.0 0.0 1.1 -40.7 +ve)/Export(-ve) Energy Exchange (MI) -1.85 -1.78 -1.78 -1.78
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111	ZERDA-KANKROLI ZERDA-KHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WORAK MEHGAON-AURAIYA MALAPPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJCHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI  REGION  REGION  ER  ER  ER  NER  NER	TERNATIONAL EX  2 2 2 2 2 2 2 2 2 1 1 IIIIIIIIIIIIIII	401 636 636 941 375 0 0 113 84 0 0 1449 1449 0 1449 0 0 1447 0 0 1447 0 0 1647 17 18 18 18 18 18 18 18 18 18 18 18 18 18	0 0 0 0 1410 1666 30 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5.9 7.8 11.9 1.8 0.0 0.0 1.1 1.6 0.0 0.0 1.1 1.6 0.0 0.0 1.1 1.6 0.0 0.0 10.3 0.1 0.1 0.0 0.1 0.1 0.0 0.0 0.1 0.7 11 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.0 0.0 0.0 1.6 1.5 1.6 0.0 0.0 0.0 0.0 0.0 0.0 123.1 10.3 9.1 15.4 41.1 0.0 0.0 0.0 75.9 Import Avg (MW)	5.9 7.8 11.9 0.2 -1.5 -1.6 -1.1 1.6 0.0 0.0 -32.5 -10.3 -1.5.3 -15.3 -41.1 -40.7 -40.7 +ve)/Export(-ve) Energy Exchange (MH) -1.85 -1.78 -1.48 -1.78 -1.43
111	ZERDA-KANKROLI ZERDA-KHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WORAK MEHGAON-AURAIYA MALAPPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJCHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI  REGION  REGION  ER  ER  ER  NER  NER	TERNATIONAL EX  2 2 2 2 2 2 2 2 2 1 1 IIIIIIIIIIIIIII	401 636 936 931 375 0 0 113 84 0 0 113 84 0 0 1449 301 0 1449 301 0 0 1449 140 0 1447 140 0 1447 140 0 160 170 180 180 180 180 180 180 180 180 180 18	0 0 0 0 1410 1666 30 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5.9 7.8 11.9 1.8 0.0 0.0 1.1 1.6 0.0 0.0 1.1 1.6 0.0 0.0 1.1 1.6 0.0 0.0 10.3 0.1 0.1 0.0 0.1 0.1 0.0 0.0 0.1 0.7 11 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.0 0.0 0.0 1.6 1.5 1.6 0.0 0.0 0.0 0.0 0.0 0.0 123.1 10.3 9.1 15.4 41.1 0.0 0.0 0.0 75.9 Import Avg (MW)	5.9 7.8 11.9 0.2 -1.5 -1.6 -1.1 1.6 0.0 0.0 -32.5 -10.3 -1.5.3 -15.3 -41.1 -40.7 -40.7 +ve)/Export(-ve) Energy Exchange (MH) -1.85 -1.78 -1.48 -1.78 -1.43
111	ZERDA-KANKROLI ZERDA-KHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHASPURA-RANPUR BHASPURA-MORAK MEHGAON-AURAIYA MALASPUR-AURAIYA MALASPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-RUIDGI KOLHAPUR-RUIDGI KOLHAPUR-RUIDGI ROLHAPUR-RUIDGI ROLHAPUR-RUID	TERNATIONAL EXC  2 2 2 2 2 2 2 1 1 1 TERNATIONAL EXC  Line 800K MANGDECHHUALI ALIPURDIAR RECEBT (IN 600KY MANGDECHHUALI BINAGUER IS 600KY MANGDECHHUALI BINAGUER IS 600KY MANGDECHHUALI BINAGUER IS 600KY MANGDECHHUALI 11 11 12 12 13 14 15 15 15 15 16 16 16 16 16 16 16 16 16 16 16 16 16	401 636 936 931 375 0 0 113 84 0 0 113 84 0 0 1449 301 0 1449 301 0 0 1449 140 0 1447 140 0 1447 140 0 160 170 180 180 180 180 180 180 180 180 180 18	0 0 0 0 410 166 30 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5.9 7.8 11.9 1.8 0.0 0.0 0.0 1.1 1.6 0.0 90.6  90.6  0.0 10.3 0.1 0.0 23.6 0.0 0.0 1.1 35.2  Min (MW)	0.0 0.0 0.0 1.6 1.5 1.6 0.0 0.0 0.0 0.0 1.3 1.5 1.6 0.0 0.0 0.0 0.0 123.1 15.4 1.1 0.0 0.0 0.0 15.4 15.4 1.1 0.0 0.0 15.4 1.5 15.4 1.6 0.0 0.0 15.4 1.6 0.0 0.0 15.4 1.7 1.6 0.0 0.0 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6	5.9 7.8 11.9 7.8 11.9 0.2 -1.5 -1.6 1.1 1.6 0.0 0.0 -32.5 -1.3 -15.3 -15.3 -15.3 -41.1 23.6 0.0 0.0 1.1 -40.7 +ve/Export(-ve) Energ Exchange MID -1.85 -1.48 -1.78 -0.05 -1.41
111	ZERDA-KANKROLI ZERDA-KHINMAL VINDHYACHAL-RIHAND RAPP-SHUJAI-PUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WANYA MALANPUR-AURATYA GWALJOR-SAWAI MADHOPUR RAJCHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAIGHUR WARDHA-NIZAMABAD KOLHAPUR-RUDGI KOLHAPUR-RUDGI KOLHAPUR-RUDGI ROHA-MIZAMABEWADI  RE  ER  ER  ER  ER  ER  ER  ER  ER	TI  II  II  II  II  II  II  II  II  II	401 636 941 375 0 0 113 84 0 0 113 84 0 0 1449 301 0 1449 301 0 0 1449 301 0 1447 1 0 0 1447 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 0 0 410 166 30 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5.9 7.8 11.9 1.8 0.0 0.0 1.1 1.6 0.0 0.0 1.1 1.6 0.0 0.0 10.3 0.1 0.0 2.3.6 0.0 0.0 11.1 35.2  Min (MW)	0.0 0.0 0.0 1.6 1.5 1.6 0.0 0.0 0.0 0.0 0.0 123.1 10.3 9.1 15.4 41.1 0.0 0.0 0.0 0.0 15.9 Import Avg (MW)	5.9 7.8 11.9 0.2 -1.5 -1.6 -1.6 0.0 0.0 0.0 -32.5 -10.3 -13 -15.3 -41.1 23.6 0.0 0.0 1.1 -40.7 +ve)/Export(-ve) Energy Exchange MII -1.85 -1.48 -1.78 -1.48 -1.78 -1.41 -1.41 -1.41 -1.41 -1.41 -1.41 -1.41 -1.41 -1.41
111	ZERDA-KANKROLI ZERDA-KHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHASPURA-RANPUR BHASPURA-MORAK MEHGAON-AURAIYA MALASPUR-AURAIYA MALASPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-RUIDGI KOLHAPUR-RUIDGI KOLHAPUR-RUIDGI ROLHAPUR-RUIDGI ROLHAPUR-RUID	TERNATIONAL EXC  2 2 2 2 2 2 2 1 1 1 TERNATIONAL EXC  Line 800K MANGDECHHUALI ALIPURDIAR RECEBT (IN 600KY MANGDECHHUALI BINAGUER IS 600KY MANGDECHHUALI BINAGUER IS 600KY MANGDECHHUALI BINAGUER IS 600KY MANGDECHHUALI 11 11 12 12 13 14 15 15 15 15 16 16 16 16 16 16 16 16 16 16 16 16 16	401 636 941 375 0 0 113 84 0 0 113 84 0 0 1449 301 0 1449 301 0 0 1449 301 0 1447 1 0 0 1447 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 0 0 410 166 30 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5.9 7.8 11.9 1.8 0.0 0.0 0.0 1.1 1.6 0.0 90.6  90.6  0.0 10.3 0.1 0.0 23.6 0.0 0.0 1.1 35.2  Min (MW)	0.0 0.0 0.0 1.6 1.5 1.6 0.0 0.0 0.0 0.0 1.3 1.5 1.6 0.0 0.0 0.0 0.0 123.1 15.4 1.1 0.0 0.0 0.0 15.4 15.4 1.1 0.0 0.0 15.4 1.5 15.4 1.6 0.0 0.0 15.4 1.6 0.0 0.0 15.4 1.7 1.6 0.0 0.0 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6	5.9 7.8 11.9 7.8 11.9 0.2 -1.5 -1.6 1.1 1.6 0.0 0.0 -32.5 -1.3 -15.3 -15.3 -15.3 -41.1 23.6 0.0 0.0 1.1 -40.7 +ve/Export(-ve) Energ Exchange MID -1.85 -1.48 -1.78 -0.05 -1.41
111	ZERDA-KANKROLI ZERDA-KHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-RANPUR GWALIOR-SAWAI MADHOPUR RAJCHAT-LALJITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RICHUR WARDHA-NIZ-MABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI FONDA-AMBEWADI  NELDEM-AMBEWADI  IN Region  ER  ER  ER  ER  ER  ER	TERNATIONAL EX  2 2 2 2 2 2 2 2 1 1 1 TERNATIONAL EX  Line 400KV MANODECHHU-ALI  400KV MANODECHHU-ALI  BINAGURI  152kV MANODECHHU-BINAGURI  152kV MAHENDRANAGAR  152kV MAHENDRANAGAR  NEPAL IMPORT (FROM BIN  400KV DHALKEBAR-MUZA  BHERAMARA BB HVDC (B	401 636 931 375 0 0 113 84 0 0 113 84 0 0 1449 301 0 1449 301 0 0 1449 0 0 1449 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5.9 7.8 11.9 1.8 0.0 0.0 0.0 1.1 1.6 0.0 0.0 0.0 0.0 10.3 0.1 0.1 0.0 0.0 0.0 10.3 10.3	0.0 0.0 0.0 1.6 1.5 1.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 123.1 10.3 9.1 15.4 41.1 0.0 0.0 0.0 75.9 Import Avg (MW)	5.9 7.8 11.9 0.2 -1.5 -1.6 1.1 1.6 0.0 0.0 0.0 3.2.5 -10.3 1.3 -15.3 -11.3 -23.6 0.0 0.0 1.1 -23.6 0.0 0.0 1.1 -40.7 +ve)/Export(-ve) Energy Exchange MID -1.85 -1.48 -1.78 -1.48 -1.78 -1.41 -1.41 -1.41 -1.41 -1.41 -1.41 -1.41 -1.41 -1.41
111	ZERDA-KANKROLI ZERDA-KHINMAL VINDHYACHAL-RIHAND RAPP-SHUJAI-PUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WANYA MALANPUR-AURATYA GWALJOR-SAWAI MADHOPUR RAJCHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAIGHUR WARDHA-NIZAMABAD KOLHAPUR-RUDGI KOLHAPUR-RUDGI KOLHAPUR-RUDGI ROHA-MIZAMABEWADI  RE  ER  ER  ER  ER  ER  ER  ER  ER	TI  II  II  II  II  II  II  II  II  II	401 636 931 375 0 0 113 84 0 0 113 84 0 0 1449 301 0 1449 301 0 0 1449 0 0 1449 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 0 0 410 166 30 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5.9 7.8 11.9 1.8 0.0 0.0 1.1 1.6 0.0 0.0 1.1 1.6 0.0 0.0 10.3 0.1 0.0 2.3.6 0.0 0.0 11.1 35.2  Min (MW)	0.0 0.0 0.0 1.6 1.5 1.6 0.0 0.0 0.0 0.0 0.0 123.1 10.3 9.1 15.4 41.1 0.0 0.0 0.0 0.0 15.9 Import Avg (MW)	5.9 7.8 11.9 0.2 -1.5 -1.6 -1.6 0.0 0.0 0.0 -32.5 -10.3 -13 -15.3 -41.1 23.6 0.0 0.0 1.1 -40.7 +ve)/Export(-ve) Energy Exchange MII -1.85 -1.48 -1.78 -1.48 -1.78 -1.41 -1.41 -1.41 -1.41 -1.41 -1.41 -1.41 -1.41 -1.41