

# 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

Ref: POSOCO/NLDC/SO/Daily PSP Report To,

दिनांक: 21st January 2023

- 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 20.01.2023.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 20- 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 20<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	Date of Reporting:	21-Jan-2023

A. Power Supply Position at All India and Regional level						
	NR	WR	SR	ER	NER	TOTAL
Demand Met during Evening Peak hrs(MW) (at 19:00 hrs; from RLDCs)	53726	59186	42927	21273	2713	179825
Peak Shortage (MW)	1263	0	0	507	86	1856
Energy Met (MU)	1178	1443	1080	435	49	4185
Hydro Gen (MU)	109	61	94	30	9	304
Wind Gen (MU)	32	83	61		-	176
Solar Gen (MU)*	98.80	53.44	121.49	2.01	0.77	277
Energy Shortage (MU)	20.56	0.00	0.00	4.42	0.33	25.31
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	59848	69866	56885	22119	2852	208067
Time Of Maximum Demand Met (From NLDC SCADA)	10:57	10:32	10:22	18:48	17:55	10:26
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	0.272	8.30	4.76	17.34	30.39	46.35	23.26
C. Power Suppl	y Position in States						

		Max.Demand	Shortage during	Energy Met	Drawal	OD(+)/UD(-)	Max OD	Energ
Region	States	Met during the	maximum	0.00	Schedule	(3.577)	0.000	Shorta
U		dav(MW)	Demand(MW)	(MU)	(MU)	(MU)	(MW)	(MU
	Puniab	7973	0	151.2	39.4	-2.0	69	0.90
	Harvana	7320	0	139.5	68.9	-1.1	129	2.22
	Rajasthan	16664	61	302.6	99.4	0.5	233	15.53
	Delhi	4863	0	81.3	73.4	-1.6	214	0.20
NR	UP	19310	0	354.2	104.8	-3.0	359	0.00
	Uttarakhand	2280	0	42.4	32.8	-1.5	176	1.71
	HP	2006	0	36.8	29.6	0.6	201	0.00
	J&K(UT) & Ladakh(UT)	2969	0	65.4	62.8	-1.5	139	0.00
	Chandigarh	288	0	4.9	5.0	-0.1	39	0.00
	Chhattisgarh	4922	0	106.7	53.8	0.5	197	0.00
	Gujarat	18684	0	391.1	193.4	1.0	967	0.00
	MP	16662	0	326.2	190.0	2.5	850	0.00
WR	Maharashtra	26720	0	547.5	164.6	-1.9	519	0.00
	Goa	639	0	13.9	12.5	0.9	61	0.00
	DNHDDPDCL	1220	0	28.1	28.3	-0.2	81	0.00
	AMNSIL	812	0	17.4	10.9	-0.1	240	0.00
	BALCO	515	0	12.3	12.3	0.0	30	0.00
	Andhra Pradesh	11114	0	202.2	71.3	0.1	477	0.00
	Telangana	13662	0	236.6	109.9	0.0	543	0.00
SR	Karnataka	14178	0	249.7	76.8	-2.3	783	0.00
	Kerala	3790	0	74.3	54.9	-0.2	192	0.00
	Tamil Nadu	15415	0	309.0	166.9	2.5	1392	0.00
	Puducherry	386	0	8.3	8.2	-0.4	97	0.00
	Bihar	5460	71	96.4	87.2	-1.2	261	0.48
	DVC	3581	0	74.6	-41.3	0.7	276	0.00
	Jharkhand	1558	283	28.9	22.4	-1.9	156	3.94
ER	Odisha	5142	0	96.2	27.6	-1.3	370	0.00
	West Bengal	7213	0	136.9	5.4	-2.3	223	0.00
	Sikkim	130	0	2.1	2.0	0.1	29	0.00
	Arunachal Pradesh	164	0	2.5	2.5	-0.1	34	0.00
	Assam	1581	0	26.9	21.4	-0.3	116	0.22
	Manipur	237	0	3.6	3.5	0.1	35	0.11
NER	Meghalaya	408	0	7.4	6.4	-0.1	27	0.00
	Mizoram	153	0	2.3	1.8	-0.2	8	0.00
	Nagaland	138	0	2.1	2.1	-0.1	19	0.00
	Tripura	236	0	3.9	2.7	-0.4	16	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	-3.6	-10.4	-21.2
Day Peak (MW)	-304.0	-297.8	-1045.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	163.9	-125.9	115.4	-157.5	4.0	0.0
Actual(MU)	148.6	-114.1	117.7	-160.2	2.8	-5.2
O/D/U/D(MU)	-15.3	11.7	2.3	-2.8	-1.2	-5.2

# F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	6869	13551	7258	2255	769	30702	49
State Sector	8085	14498	6141	3410	140	32274	51
Total	14954	28049	13399	5665	909	62975	100
-							

## G. Sourcewise generation (Gross) (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	778	1414	606	657	11	3466	76
Lignite	32	12	46	0	0	90	2
Hydro	109	61	94	30	9	304	7
Nuclear	26	37	76	0	0	140	3
Gas, Naptha & Diesel	15	8	5	0	31	59	1
RES (Wind, Solar, Biomass & Others)	158	139	202	3	1	502	11
Total	1117	1672	1030	690	52	4560	100
							ì
Share of RES in total generation (%)	14.14	8.30	19.62	0.38	1.49	11.01	
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation(%)	26.23	14.18	36.16	4.76	19.58	20.73	

Н.	All	India	Demand	Diversity	Factor

Based on Regional Max Demands	1.017
Based on State Max Demands	1.050

Based on State Max Demands
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: 21-Jan-2023

Sl No Voltage Level						Date of Reporting:	
	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	21-Jan-2023 NET (MU)
		or Circuit		-rana arapati (at 11)	import (MC)		(MU)
Import/Export of ER						0.0	
1 HVDC 2 HVDC	ALIPURDUAR-AGRA PUSAULI B/B	2	0	0 294	0.0	6.1	0.0 -6.1
3 765 kV	GAYA-VARANASI	2	0	712	0.0	11.2	-11.2
4 765 kV	SASARAM-FATEHPUR	1	0	484	0.0	7.9	-7.9
5 765 kV	GAYA-BALIA	1	0	652	0.0	10.3	-10.3
6 400 kV 7 400 kV	PUSAULI-VARANASI PUSAULI -ALLAHABAD		10 0	184 168	0.0	3.4 2.6	-3.4 -2.6
8 400 kV	MUZAFFARPUR-GORAKHPUR	2	0	614	0.0	7.8	-2.6
9 400 kV	PATNA-BALIA	2	ő	587	0.0	11.3	-11.3
10 400 kV	NAUBATPUR-BALIA	2	0	636	0.0	11.9	-11.9
11 400 kV	BIHARSHARIFF-BALIA	2	0	358	0.0	5.8 7.4	-5.8
12 400 kV 13 400 kV	MOTIHARI-GORAKHPUR BIHARSHARIFF-VARANASI	2	0	434 306	0.0	4.9	-7.4 -4.9
14 220 kV	SAHUPURI-KARAMNASA	1	0	120	0.0	1.7	-4.9
15 132 kV	NAGAR UNTARI-RIHAND	î	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	KARMANASA-SAHUPURI	1	3	0	0.0	0.0	0.0
18 132 kV	KARMANASA-CHANDAULI		U	ER-NR	0.5	92.2	
Import/Export of ER	(With WR)			ER-IIK	0.5	72.2	-91.7
1 765 kV	JHARSUGUDA-DHARAMJAIGARH	4	1108	345	5.7	0.0	5.7
		· · · · · · · · · · · · · · · · · · ·					
2 765 kV	NEW RANCHI-DHARAMJAIGARH	2	743	676	0.0	0.7	-0.7
3 765 kV	JHARSUGUDA-DURG	2	0	451	0.0	8.5	-8.5
4 400 kV	JHARSUGUDA-RAIGARH	4	0	687	0.0	11.6	-11.6
						2.3	
5 400 kV	RANCHI-SIPAT	2	159	274	0.0		-2.3
6 220 kV	BUDHIPADAR-RAIGARH	1	0	200	0.0	3.4	-3.4
7 220 kV	BUDHIPADAR-KORBA	2	40	112	0.0	0.9	-0.9
				ER-WR	5.7	27.3	-21.5
Import/Export of ER	(With SR)				-11		
1 HVDC	JEYPORE-GAZUWAKA B/B	2	0	650	0.0	8.3	-8.3
2 HVDC	TALCHER-KOLAR BIPOLE	2	Ö	2460	0.0	35.3	-35,3
3 765 kV	ANGUL-SRIKAKULAM	2	Ŏ	3707	0.0	61.2	-61.2
4 400 kV	TALCHER-I/C	2	1122	645	8.7	0.0	8.7
5 220 kV	BALIMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0
				ER-SR	0.0	104.8	-104.8
Import/Export of ER	(With NER)			010	J.U		237.0
1 400 kV	BINAGURI-BONGAIGAON	2	132	71	0.9	0.2	0.7
2 400 kV	ALIPURDUAR-BONGAIGAON	2	485	69	6.0	0.0	6.0
3 220 kV	ALIPURDUAR-SALAKATI	2	46	5	0.6	0.0	0.6
3 220 KY	ALII URDUAK-SALAKATI		40	ER-NER	7.5	0.2	7.3
Import/Export of NEI	R (With NR)			DIC 11DIC	7.5		7.3
1 HVDC	BISWANATH CHARIALI-AGRA	2.	467	Λ	11.2	0.0	11.2
1 I IIIDC	DISWANATH CHARAEF-AGRA		70/	NER-NR	11.2	0.0	11.2
Import/Export of WR	(With NR)			HEREIN	11.2	0.0	11.2
1 HVDC	CHAMPA-KURUKSHETRA	2	0	2020	0.0	46.1	-46.1
2 HVDC	VINDHYACHAL B/B		439	0	12.2	0.0	12.2
3 HVDC	MUNDRA-MOHINDERGARH	2	0	0	0.0	0.0	0.0
4 765 kV	GWALIOR-AGRA	2	23	1818	0.0	18.3	
	GWALIOR-PHAGI	2				27.6	-18.3
5 765 kV 6 765 kV	JABALPUR-ORAI	2	0	1667 1056	0.0	24.5	-27.6
7 765 kV	GWALIOR-ORAI	1	947	0	0.0 15.5	0.0	-24.5 15.5
		-	0				
8 765 kV 9 765 kV	SATNA-ORAI	2		1002	0.0	17.7	-17.7
	BANASKANTHA-CHITORGARH	4	2048	47	24.9	0.0	24.9
	VINDIIVACIIAI VADANACI	2	Δ.		0.0		20.0
10 765 kV	VINDHYACHAL-VARANASI	2	0	2447	0.0	30.0	-30.0
11 400 kV	ZERDA-KANKROLI	1	335	2447 11	3.8	0.0	3.8
11 400 kV 12 400 kV	ZERDA-KANKROLI ZERDA -BHINMAL	2 1 1	335 485	2447 11 35	3.8 6.3	0.0 0.0	3.8 6.3
11 400 kV 12 400 kV 13 400 kV	ZERDA-KANKROLI ZERDA -BHINMAL VINDHYACHAL -RIHAND	2 1 1 1	335 485 955	2447 11 35 0	3.8 6.3 22.0	0.0 0.0 0.0	3.8 6.3 22.0
11 400 kV 12 400 kV 13 400 kV 14 400 kV	ZERDA-KANKROLI ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR	2 1 1 1 2	335 485 955 334	2447 11 35 0 462	3.8 6.3 22.0 2.3	0.0 0.0 0.0 1.4	3.8 6.3 22.0 0.9
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	2 1 1 1 2 1	335 485 955 334 0	2447 11 35 0 462 0	3.8 6.3 22.0 2.3 0.0	0.0 0.0 0.0 1.4 0.0	3.8 6.3 22.0 0.9 0.0
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	2 1 1 2 1 1	335 485 955 334 0	2447 11 35 0 462 0 30	3.8 6.3 22.0 2.3 0.0 0.0	0.0 0.0 0.0 1.4 0.0 1.6	3.8 6.3 22.0 0.9 0.0 -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	335 485 955 334 0 0	2447 11 35 0 462 0 30	3.8 6.3 22.0 2.3 0.0 0.0 1.3	0.0 0.0 0.0 1.4 0.0 1.6 0.0	3.8 6.3 22.0 0.9 0.0 -1.6 1.3
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-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA	2 1 1 1 2 1 1 1 1	335 485 955 334 0 0 126	2447 11 35 0 462 0 30 0	3.8 6.3 22.0 2.3 0.0 0.0 1.3 1.9	0.0 0.0 0.0 1.4 0.0 1.6 0.0	3.8 6.3 22.0 0.9 0.0 -1.6 1.3 1.9
11	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALJOR-SAWAI MADHOPUR	1 1 1 1 1 1	335 485 955 334 0 0 126 100	2447 111 35 0 462 0 30 0 0	3.8 6.3 22.0 2.3 0.0 0.0 1.3 1.9 0.0	0.0 0.0 0.0 1.4 0.0 1.6 0.0 0.0	3.8 6.3 22.0 0.9 0.0 -1.6 1.3 1.9
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-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA	1 1 1	335 485 955 334 0 0 126	2447 111 35 0 462 0 30 0 0	3.8 6.3 22.0 2.3 0.0 0.0 1.3 1.9 0.0	0.0 0.0 0.0 1.4 0.0 1.6 0.0 0.0 0.0	3.8 6.3 22.0 0.9 0.0 -1.6 1.3 1.9 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 GWALJOR-SAWAI MADHOPUR RAJGHAT-LALITPUR	1 1 1 1 1 1	335 485 955 334 0 0 126 100	2447 111 35 0 462 0 30 0 0	3.8 6.3 22.0 2.3 0.0 0.0 1.3 1.9 0.0	0.0 0.0 0.0 1.4 0.0 1.6 0.0 0.0	3.8 6.3 22.0 0.9 0.0 -1.6 1.3 1.9
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-SHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR)	1 1 1 1 1 1	335 485 955 334 0 0 126 100 0	2447 11 35 0 462 0 30 0 0 WR-NR	3.8 6.3 22.0 2.3 0.0 0.0 1.3 1.9 0.0 0.0 90.2	0.0 0.0 0.0 1.4 0.0 1.6 0.0 0.0 0.0 0.0 167.2	3.8 6.3 22.0 0.9 0.0 -1.6 1.3 1.9 0.0 0.0
11   400 kV   12   400 kV   13   400 kV   14   400 kV   15   220 kV   16   220 kV   17   220 kV   19   132 kV   20   132 kV   1   1   1   1   1   1   1   1   1	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALAPPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B	1 1 1 1 1 1 2	335 485 955 334 0 0 126 100 0 0	2447 11 35 0 462 0 30 0 0 0 WR-NR	3.8 6.3 22.0 2.3 0.0 0.0 1.3 1.9 0.0 90.2	0.0 0.0 0.0 1.4 0.0 1.6 0.0 0.0 0.0 0.0 167.2	3.8 6.3 22.0 0.9 0.0 -1.6 1.3 1.9 0.0 -77.0
11	ZERDA-KANKROLI ZERDA-BHISMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHANRAWATI B/B RAIGARF-PUGALUR	1 1 1 1 1 1 2	335 485 955 334 0 0 126 100 0 0	2447 11 35 0 462 0 30 0 0 0 WR-NR	3.8 6.3 22.0 2.3 0.0 0.0 1.3 1.9 0.0 90.2	0.0 0.0 0.0 1.4 0.0 1.6 0.0 0.0 0.0 0.0 167.2	3.8 6.3 22.0 0.9 0.0 -1.6 1.3 1.9 0.0 -77.0
11	ZERDA-KANKROLI ZERDA-BHINMAL 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	1 1 1 1 1 1 2	335 485 955 334 0 0 126 100 0 0 0	2447 111 35 0 462 0 0 0 0 0 0 0 WR-NR 1016 3001 3026	3.8 6.3 22.0 2.3 0.0 0.0 1.3 1.9 0.0 90.2	0.0 0.0 0.0 1.4 0.0 0.0 0.0 0.0 0.0 0.0 167.2	3.8 6.3 22.0 0.9 0.0 -1.6 1.3 1.9 0.0 -77.0 -11.0 -2.6 -19.9
11	ZERDA-KANKROLI ZERDA-KHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWAIT B/B RAJGARI-PUGALUR SOLAPUR-RAICHUR	1 1 1 1 1 1 2 2	335 485 955 334 0 0 126 100 0 0	2447 11 35 0 462 0 30 0 0 0 WR-NR 1016 3001 3026 3775	3.8 6.3 22.0 2.3 0.0 0.0 1.3 1.9 0.0 90.2 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 1.4 0.0 1.6 0.0 0.0 0.0 0.0 167.2 11.0 2.6 20.8 49.4	3.8 6.3 22.0 0.9 0.0 -1.6 1.3 1.9 0.0 -77.0 -110 -2.6 -19.9 -49.4
11	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPUR-ARNPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-RUDGI	1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2	335 485 955 334 0 0 126 100 0 0 689 2400 560 0 1538	2447 111 35 0 462 0 0 0 0 0 0 0 WR-NR 1016 3001 3026 3775 0	3.8 6.3 22.0 2.3 0.0 0.0 0.0 1.3 1.9 0.0 90.2 0.0 0.0 0.0 2.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 0.0 0.0 1.4 0.0 1.6 0.0 0.0 0.0 1.7 1.6 0.0 0.0 0.0 0.0 1.67.2 11.0 2.6 20.8 49.4 0.0	3.8 6.3 22.0 0.9 0.0 1.6 1.3 1.9 0.0 -77.0 -11.0 -12.6 -19.9 -49.4 24.2
11	ZERDA-KANKROLI ZERDA-KHINMAL 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 KOLHAPUR-RUIGGI	1 1 1 1 1 1 2 2	3.35 485 9.55 3.34 0 0 126 100 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2447 11 35 0 462 0 0 0 0 0 0 WR-NR 1016 3001 3026 3775 0	3.8 6.3 22.0 2.3 0.0 0.0 1.3 1.9 0.0 0.0 90.2 90.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 1.4 0.0 1.6 0.0 0.0 0.0 0.0 167.2 11.0 2.6 20.8 49.4 0.0	3.8 6.3 22.0 0.9 0.0 -1.6 1.3 1.9 0.0 -77.0 -77.0 -11.0 -2.6 -19.9 -49.4 -24.2 0.0
11	ZERDA-KANKROLI ZERDA-KHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZ-MABAD KOLHAPUR-RUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI	1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2	335 485 955 334 0 0 126 100 0 0 689 2400 560 0 0	2447 111 35 0 462 0 0 0 0 0 0 0 WR-NR 1016 3001 3026 3775 0	3.8 6.3 22.0 2.3 0.0 0.0 0.0 1.3 1.9 0.0 90.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 1.4 0.0 0.0 1.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 167.2 11.0 2.6 2.6 2.6 49.4 0.0 0.0 0.0	3.8 6.3 22.0 0.9 0.0 -1.6 1.3 1.9 0.0 -77.0 -11.0 -2.6 -19.9 -49.4 -24.2 0.0
11	ZERDA-KANKROLI ZERDA-KHINMAL 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 KOLHAPUR-RUIGGI	1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2	3.35 485 9.55 3.34 0 0 126 100 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2447 11 35 0 462 0 0 30 0 0 0 WR-NR 1016 3001 3026 3775 0 0 87	3.8 6.3 22.0 2.3 0.0 0.0 0.0 1.3 1.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 0.0 0.0 1.4 0.0 1.6 0.0 0.0 0.0 0.0 167.2 11.0 2.6 20.8 49.4 0.0 0.0	3.8 6.3 22.0 9.9 0.0 1.6 1.3 1.9 0.0 0.0 -77.0 -11.0 -2.6 -1.9 -49.4 -24.2 -24.2 -0.0 0.0 0.0
11	ZERDA-KANKROLI ZERDA-KHINMAL 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 RAJGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 1 1 1 1	335 485 955 334 0 0 126 100 0 0 0 560 560 0 0 1538 0 0	2447 111 35 0 462 0 0 0 0 0 0 0 WR-NR 1016 3001 3026 3775 0	3.8 6.3 22.0 2.3 0.0 0.0 0.0 1.3 1.9 0.0 90.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 1.4 0.0 0.0 0.0 1.5 0.0 0.0 0.0 0.0 0.0 0.0 167.2 2.6 20.8 49.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	3.8 6.3 22.0 0.9 0.0 -1.6 1.3 1.9 0.0 -77.0 -11.0 -2.6 -19.9 49.4 24.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 -58.6
11	ZERDA-KANKROLI ZERDA-KHINMAL 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 RAJGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2	335 485 955 334 0 0 126 100 0 0 0 560 560 0 0 1538 0 0	2447 11 35 0 462 0 0 30 0 0 0 WR-NR 1016 3001 3026 3775 0 0 87	3.8 6.3 22.0 2.3 0.0 0.0 0.0 1.3 1.9 0.0 90.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 1.4 0.0 0.0 1.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 167.2 11.0 2.6 20.8 49.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	3.8 6.3 22.0 0.9 0.0 -1.6 1.3 1.9 0.0 -77.0 -11.0 -2.6 -19.9 49.4 24.2 0.0 0.0 0.0 -58.6 +ve)/Export(-ve)
11	ZERDA-KANKROLI ZERDA-KHINMAL 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 RAJGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 1 1 1 1	335 485 955 334 0 0 126 100 0 0 689 2400 560 0 1538 0 0 0 CHANGES	2447 11 35 0 462 0 0 30 0 0 0 WR-NR 1016 3001 3026 3775 0 0 87	3.8 6.3 22.0 2.3 0.0 0.0 0.0 1.3 1.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 0.0 0.0 1.4 0.0 0.0 0.0 1.5 0.0 0.0 0.0 0.0 0.0 0.0 167.2 2.6 20.8 49.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	3.8 6.3 22.0 0.9 0.0 -1.6 1.3 1.9 0.0 -77.0 -77.0 -11.0 -2.6 -19.9 -49.4 24.2 0.0 0.0 0.0 -58.6 +ve)/Export(-ve) Energy Exchange
11	ZERDA-KANKROLI ZERDA-KHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAHGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUEGI KOLHAPUR-KUEGI KOLHAPUR-KUEGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	335 485 9355 334 0 0 126 100 0 0 0 689 2400 560 0 1538 0 0 0 CHANGES Name	2447 11 35 0 462 0 462 0 0 0 WR-NR 1016 3001 3001 3001 3026 3775 0 0 87 WR-SR	3.8 6.3 22.0 2.3 0.0 0.0 0.0 1.3 1.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 0.0 0.0 1.4 0.0 0.0 1.4 0.0 0.0 0.0 0.0 0.0 0.0 167.2 11.0 2.6 20.8 49.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	3.8 6.3 22.0 0.9 0.0 -1.6 1.3 1.9 0.0 -77.0 -11.0 -2.6 -19.9 49.4 24.2 0.0 0.0 0.0 -58.6 +ve)/Export(-ve) Energy Exchange
11	ZERDA-KANKROLI ZERDA-KHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAJGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-RUIGOI FONDA-AMBEWADI IN	1	335 485 9355 334 0 0 126 100 0 0 0 689 2400 560 0 1538 0 0 0 CHANGES Name	2447 11 35 0 462 0 0 462 0 0 0 0 WR-NR 1016 3001 3026 3775 0 0 0 87 WR-SR	3.8 6.3 22.0 2.3 0.0 0.0 0.0 1.3 1.9 0.0 90.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 1.4 0.0 0.0 1.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 167.2 11.0 2.6 20.8 49.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	3.8 6.3 22.0 0.9 0.0 -1.6 1.3 1.9 0.0 -77.0 -77.0 -11.0 -2.6 -19.9 -49.4 24.2 0.0 0.0 0.0 -58.6 +ve)/Export(-ve) Energy Exchange
11	ZERDA-KANKROLI ZERDA-KHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAHGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUEGI KOLHAPUR-KUEGI KOLHAPUR-KUEGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region	1	335 485 955 334 0 0 126 109 0 0 689 2400 560 0 0 1538 0 0 0 CHANGES	2447 11 35 0 462 0 462 0 0 0 WR-NR 1016 3001 3001 3001 3026 3775 0 0 87 WR-SR	3.8 6.3 22.0 2.3 0.0 0.0 0.0 1.3 1.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 0.0 0.0 1.4 0.0 0.0 1.5 1.6 0.0 0.0 0.0 0.0 167.2 11.0 2.6 20.8 49.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	3.8 6.3 22.0 0.9 0.0 -1.6 1.3 1.9 0.0 -77.0 -11.0 -2.6 -19.9 49.4 24.2 0.0 0.0 0.0 -58.6 +ve)/Export(-ve) Energy Exchange
11	ZERDA-KANKROLI ZERDA-KHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJCHAT-LALITPUR (WIth SR) BHADRAWATI B/B RAIGARI-PUGALUR SOLAPUR-RAICHUR WARDHANIZAMABAD KOLHAPUR-RUDGI KOLHAPUR-RUDGI KOLHAPUR-RUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI  IN Region  ER	1	3.35 4.85 9.55 3.34 0 0 126 100 0 0 0 689 2400 560 0 1538 0 0 0 1538 0 0 1640 1740 1840 1840 1840 1840 1840 1840 1840 18	2447 111 35 0 462 0 0 30 0 0 WR-NR 1016 3001 30026 3775 0 0 0 WR-SR	3.8 6.3 22.0 2.3 0.0 0.0 0.0 1.3 1.9 0.0 0.0 90.2  0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 1.4 0.0 0.0 1.5 1.6 0.0 0.0 0.0 0.0 167.2 11.0 2.6 20.8 49.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	3.8 6.3 22.0 0.9 0.0 -1.6 1.3 1.9 0.0 0.0 -77.0 -77.0 -11.0 -2.6 -19.9 -49.4 24.2 0.0 0.0 0.0 -58.6 +ve)/Export(-ve) Energy Exchange
11	ZERDA-KANKROLI ZERDA-KHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAHGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUEGI KOLHAPUR-KUEGI KOLHAPUR-KUEGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region	1	3.35 485 9.55 3.34 0 0 126 100 0 0 0 689 2400 560 0 1538 0 0 0 1538 0 0 0 174 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2447 11 35 0 462 0 462 0 0 0 WR-NR 1016 3001 3001 3001 3026 3775 0 0 87 WR-SR	3.8 6.3 22.0 2.3 0.0 0.0 0.0 1.3 1.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 0.0 0.0 1.4 0.0 1.6 0.0 0.0 0.0 0.0 0.0 0.0 167.2 11.0 2.6 20.8 49.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	3.8 6.3 22.0 0.9 0.0 -1.6 1.3 1.9 0.0 -77.0 -11.0 -2.6 -19.9 49.4 24.2 0.0 0.0 0.0 -58.6 +ve)/Export(-ve) Energy Exchange
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 8 220 kV	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WORK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RIJCHI WARDHA-NIZ-AMABAD KOLHAPUR-RIJCHI KOLHAPUR-RIJCH	1	3.35 4.85 9.55 3.34 0 0 1.26 1.00 0 0 6.89 2.400 5.60 0 1.538 0 0 0 CHANGES Name PURDUAR 1,283 Le. mm MANGDEGUH HEP 4 (& 400K WALBASE- ECEBT (from TALA HEP) HEX (& 200K WALBASE-	2447 111 35 0 462 0 0 0 0 WR-NR 1016 3001 3026 3775 0 0 0 87 WR-SR Max (MW)	3.8 6.3 22.0 2.3 0.0 0.0 0.0 1.3 1.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 0.0 0.0 1.4 0.0 1.4 0.0 1.6 0.0 0.0 0.0 0.0 167.2 11.0 2.6 20.8 49.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 17	3.8 6.3 22.0 9.9 0.0 1.6 1.3 1.9 0.0 0.0 -7.7.0 -11.0 -2.6 -19.9 -49.4 24.2 24.2 0.0 0.0 0.0 -58.6 +ve)/Export(-ve) Energy Exchange (MII) -2.11
11	ZERDA-KANKROLI ZERDA-KHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJCHAT-LALITPUR (WIth SR) BHADRAWATI B/B RAIGARI-PUGALUR SOLAPUR-RAICHUR WARDHANIZAMABAD KOLHAPUR-RUDGI KOLHAPUR-RUDGI KOLHAPUR-RUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI  IN Region  ER	1	3.35 4.85 9.55 3.34 0 0 1.26 1.00 0 0 6.89 2.400 5.60 0 1.538 0 0 0 CHANGES Name PURDUAR 1,283 Le. mm MANGDEGUH HEP 4 (& 400K WALBASE- ECEBT (from TALA HEP) HEX (& 200K WALBASE-	2447 111 35 0 462 0 0 30 0 0 WR-NR 1016 3001 30026 3775 0 0 0 WR-SR	3.8 6.3 22.0 2.3 0.0 0.0 0.0 1.3 1.9 0.0 0.0 90.2  0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 1.4 0.0 1.6 0.0 0.0 0.0 0.0 0.0 0.0 167.2 11.0 2.6 20.8 49.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	3.8 6.3 22.0 0.9 0.0 -1.6 1.3 1.9 0.0 0.0 -77.0 -77.0 -11.0 -2.6 -19.9 -49.4 24.2 0.0 0.0 0.0 -58.6 +ve)/Export(-ve) Energy Exchange
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 8 220 kV	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WORK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RIJCHI WARDHA-NIZ-AMABAD KOLHAPUR-RIJCHI KOLHAPUR-RIJCH	1	3.35 485 9.55 3.34 0 0 1.26 1.00 0 0 0 0 689 2400 560 0 1.538 0 0 0 0 CHANGES Name 0 0 CHANGES Name 4 (& 400KV MALBASE ECEPT (from TALA HEP 1.62 (& 220KV MALBASE ECEPT (from CHUKHA HEP	2447 111 35 0 462 0 0 0 0 WR-NR 1016 3001 3026 3775 0 0 0 87 WR-SR Max (MW)	3.8 6.3 22.0 2.3 0.0 0.0 0.0 1.3 1.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 0.0 0.0 1.4 0.0 1.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 167.2 11.0 2.6 20.8 49.4 0.0 0.0 0.0 0.0 0.0 0.0 107.2 Import	3.8 6.3 22.0 9.9 0.0 1.6 1.3 1.9 0.0 0.0 -7.7.0 -11.0 -2.6 -19.9 -49.4 24.2 24.2 0.0 0.0 0.0 -58.6 +ve)/Export(-ve) Energy Exchange (MII) -2.11
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 8 220 kV	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WORK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RIJCHI WARDHA-NIZ-AMABAD KOLHAPUR-RIJCHI KOLHAPUR-RIJCH	1	3.35 485 9.55 3.34 0 0 1.26 1.00 0 0 0 0 689 2400 560 0 1.538 0 0 0 0 CHANGES Name 0 0 CHANGES Name 4 (& 400KV MALBASE ECEPT (from TALA HEP 1.62 (& 220KV MALBASE ECEPT (from CHUKHA HEP	2447 111 35 0 462 0 0 0 0 WR-NR 1016 3001 3026 3775 0 0 0 87 WR-SR Max (MW)	3.8 6.3 22.0 2.3 0.0 0.0 0.0 1.3 1.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 0.0 0.0 1.4 0.0 1.4 0.0 1.6 0.0 0.0 0.0 0.0 167.2 11.0 2.6 20.8 49.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 17	3.8 6.3 22.0 0.9 0.0 1.6 1.3 1.9 0.0 0.0 -7.7.0 -11.0 -2.6 -19.9 -49.4 24.2 -24.2 0.0 0.0 0.0 -58.6 +ve)/Export(-ve) Energy Exchange /MID -2.11
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 8 220 kV	ZERDA-KANKROLI ZERDA-KHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B BHADRAWATI B/B RAJGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUEGI KOLHAPUR-KUEGI KOLHAPUR-KUEGI KOLHAPUR-CHIKODI PONDA-AMBEWADI  IN Region  ER  ER	1	3.35 485 9.55 3.34 0 0 1.26 1.00 0 0 0 0 689 2400 560 0 1.538 0 0 0 0 CHANGES Name 0 0 CHANGES Name 4 (& 400KV MALBASE ECEPT (from TALA HEP 1.62 (& 220KV MALBASE ECEPT (from CHUKHA HEP	2447 111 35 0 462 0 0 462 0 0 0 WR-NR 1016 3001 3026 3775 0 0 0 WR-SR	3.8 6.3 22.0 2.3 0.0 0.0 0.0 1.3 1.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 0.0 0.0 1.4 0.0 1.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 167.2 11.0 2.6 20.8 49.4 0.0 0.0 0.0 0.0 0.0 0.0 107.2 Import	3.8 6.3 22.0 0.9 0.0 -1.6 1.3 1.9 0.0 -1.6 -1.77.0 -11.0 -2.6 -19.9 -49.4 24.2 0.0 0.0 0.0 -58.6 +ve)/Export(-ve) Energy Exchange (MI) -2.11 0.40
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 8 220 kV	ZERDA-KANKROLI ZERDA-KHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B BHADRAWATI B/B RAJGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUEGI KOLHAPUR-KUEGI KOLHAPUR-KUEGI KOLHAPUR-CHIKODI PONDA-AMBEWADI  IN Region  ER  ER	1	3.35 485 9.55 3.34 0 0 1.26 1.00 0 0 0 0 689 2400 560 0 1.538 0 0 0 0 CHANGES Name 0 0 CHANGES Name 4 (& 400KV MALBASE ECEPT (from TALA HEP 1.62 (& 220KV MALBASE ECEPT (from CHUKHA HEP	2447 111 35 0 462 0 0 462 0 0 WR-NR 1016 3001 3026 3775 0 0 0 WR-SR	3.8 6.3 22.0 2.3 0.0 0.0 0.0 1.3 1.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 0.0 0.0 1.4 0.0 1.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 167.2 11.0 2.6 20.8 49.4 0.0 0.0 0.0 0.0 0.0 0.0 107.2 Import	3.8 6.3 22.0 0.9 0.0 -1.6 1.3 1.9 0.0 -1.6 -1.77.0 -11.0 -2.6 -19.9 -49.4 24.2 0.0 0.0 0.0 -58.6 +ve)/Export(-ve) Energy Exchange (MI) -2.11 0.40
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 8 220 kV	ZERDA-KANKROLI ZERDA-KHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR 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-RUDGI KOLHAPUR-RUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI  IN Region  ER  ER  ER	TERNATIONAL EX.  2 2 2 2 2 2 1 1 1 TERNATIONAL EX.  TERNATIONAL EX.  BOOKY MANGDECHHUALI ALIPURDUAR RECERT (In. BOOKY MANGDECHHUALI ALIPURDUAR RECERT (In. BOOKY MALABROGEN I.E. BINAGURI J.E. BINAGUR	3.35 485 9.55 3.34 0 0 1.26 1.00 0 0 0 0 689 2400 560 0 1.538 0 0 0 0 CHANGES Name 0 0 CHANGES Name 4 (& 400KV MALBASE ECEPT (from TALA HEP 1.62 (& 220KV MALBASE ECEPT (from CHUKHA HEP	2447 11 35 0 462 0 0 462 0 0 WR-NR 1016 3001 3001 3026 3775 0 0 87 WR-SR	3.8 6.3 22.0 2.3 0.0 0.0 0.0 1.3 1.9 0.0 0.0 90.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 1.4 0.0 1.5 0.0 0.0 0.0 0.0 0.0 0.0 167.2 11.0 2.6 20.8 49.4 0.0 0.0 0.0 0.0 0.0 10.0 10.0 10.0 10	3.8 6.3 22.0 0.9 0.0 -1.6 1.3 1.9 0.0 -77.0 -77.0 -77.0 -11.0 -2.6 -19.9 -49.4 24.2 0.0 0.0 0.0 -58.6 +ve)/Export(-ve) Energy Exchange MITh -2.11 -4.40 -2.20
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 8 220 kV	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-RANPUR GWALJOR-SWAI MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA GWALJOR-SWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAJGARH-PUGALUR SOLAPUR-RICHUR WARDHA-NIZAMABAD KOLHAPUR-RICHUR WARDHA-NIZAMABAD KOLHAPUR-RICHUR WARDHA-NIZAMABAD KOLHAPUR-RICHUR WARDHA-NIZAMABAD KOLHAPUR-RUHGOI PONDA-AMBEWADI  REGION  ER  ER  ER  ER  NER	1	3.35 4.85 9.55 3.34 0 0 126 100 0 0 126 100 0 0 689 2400 560 0 1538 0 0 0 1538 0 0 0 1538 1538 1538 1538 154 154 154 154 154 154 155 154 155 154 155 155	2447 111 35 0 462 0 0 30 0 0 WR-NR 1016 3001 3026 3775 0 0 87 WR-SR	3.8 6.3 22.0 2.3 0.0 0.0 0.0 1.3 1.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 0.0 0.0 1.4 0.0 1.6 0.0 0.0 0.0 0.0 0.0 0.0 167.2  11.0 2.6 20.8 49.4 0.0 0.0 0.0 0.0 100 0.0 100 0.0 100 0.0 100 0.0 100 0.0 100 0.0 100 0.0 100 0.0 100 0.0 100 0.0 100 0.0 100 0.0 100 0.0 100 0.0 100 0.0 100 0.0 100 0.0 100 0.0 100 10	3.8 6.3 22.0 0.9 0.0 1.6 1.3 1.9 0.0 0.0 -77.0 -11.0 2.6 -19.9 -49.4 24.2 24.2 0.0 0.0 0.0 -58.6 -+ve)/Export(-ve) Energy Exchange (MI) -2.11 -2.20 -3.35
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 8 220 kV	ZERDA-KANKROLI ZERDA-KHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR 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-RUDGI KOLHAPUR-RUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI  IN Region  ER  ER  ER	TERNATIONAL EX.  2 2 2 2 2 2 1 1 1 TERNATIONAL EX.  TERNATIONAL EX.  BOOKY MANGDECHHUALI ALIPURDUAR RECERT (In. BOOKY MANGDECHHUALI ALIPURDUAR RECERT (In. BOOKY MALABROGEN I.E. BINAGURI J.E. BINAGUR	3.35 4.85 9.55 3.34 0 0 126 100 0 0 126 100 0 0 689 2400 560 0 1538 0 0 0 1538 0 0 0 1538 1538 1538 1538 154 154 154 154 154 154 155 154 155 154 155 155	2447 11 35 0 462 0 0 462 0 0 WR-NR 1016 3001 3001 3026 3775 0 0 87 WR-SR	3.8 6.3 22.0 2.3 0.0 0.0 0.0 1.3 1.9 0.0 0.0 90.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 1.4 0.0 1.5 0.0 0.0 0.0 0.0 0.0 0.0 167.2 11.0 2.6 20.8 49.4 0.0 0.0 0.0 0.0 0.0 10.0 10.0 10.0 10	3.8 6.3 22.0 0.9 0.0 1.6 1.3 1.9 0.0 0.0 -77.0 -77.0 -77.0 -11.0 -2.6 -19.9 -49.4 24.2 0.0 0.0 0.0 -58.6 +ve)/Export(-ve) Energy Exchange (MIT) 0.40 0.40 0.40 0.40 0.40 0.40 0.40 0.4
111	ZERDA-KANKROLI ZERDA-KHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-WORK MEHGAON-AURAIYA MALAPPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI  IN Region  ER  ER  ER  NER  NER	TERNATIONAL EX  2 2 2 2 2 2 2 2 1 1 IIIIIIIIIIIIIIIII	3.35 4.85 9.55 3.34 0 0 1.26 1.00 0 0 1.26 1.00 0 0 6.89 2.400 0 1.560 0 0 1.538 0 0 0 1.538 0 0 0 1.540 1.5	2447 111 35 0 462 0 0 462 0 0 0 WR-NR 1016 3001 30026 3775 0 0 0 WR-SR   Max (MW) 0 156	3.8 6.3 22.0 2.3 0.0 0.0 0.0 1.3 1.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 0.0 0.0 0.0 1.4 0.0 1.4 0.0 1.6 0.0 0.0 0.0 0.0 0.0 167.2 11.0 2.6 20.8 49.4 0.0 0.0 0.0 83.8 Import Avg (MW)  17  15	3.8 6.3 22.0 0.9 0.0 1.6 1.3 1.9 0.0 0.0 -7.7.0 -11.0 -2.6 -19.9 -49.4 24.2 24.2 0.0 0.0 0.0 -58.6 +vel/Export(-ve) Energy Exchange (MII) 0.40 0.35 0.40 0.35
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 8 220 kV	ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-RANPUR GWALJOR-SWAI MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA GWALJOR-SWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAJGARH-PUGALUR SOLAPUR-RICHUR WARDHA-NIZAMABAD KOLHAPUR-RICHUR WARDHA-NIZAMABAD KOLHAPUR-RICHUR WARDHA-NIZAMABAD KOLHAPUR-RICHUR WARDHA-NIZAMABAD KOLHAPUR-RUHGOI PONDA-AMBEWADI  REGION  ER  ER  ER  ER  NER	1	3.35 4.85 9.55 3.34 0 0 1.26 1.00 0 0 1.26 1.00 0 0 6.89 2.400 0 1.560 0 0 1.538 0 0 0 1.538 0 0 0 1.540 1.5	2447 111 35 0 462 0 0 30 0 0 WR-NR 1016 3001 3026 3775 0 0 87 WR-SR	3.8 6.3 22.0 2.3 0.0 0.0 0.0 1.3 1.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 0.0 0.0 1.4 0.0 1.6 0.0 0.0 0.0 0.0 0.0 167.2  11.0 2.6 20.8 49.4 0.0 0.0 0.0 0.0 100 0.0 100 100 100 100	3.8 6.3 22.0 9.9 0.0 1.6 1.3 1.9 0.0 0.0 -7.0 -11.0 -2.6 -19.9 -49.4 24.2 24.2 0.0 0.0 0.0 -58.6 -+ve)/Export(-ve) Energy Exchange (MI) -2.11 -2.0 0.40 -3.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
111	ZERDA-KANKROLI ZERDA-KHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-WORK MEHGAON-AURAIYA MALAPPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI  IN Region  ER  ER  ER  NER  NER	TERNATIONAL EX  2 2 2 2 2 2 2 2 1 1 IIIIIIIIIIIIIIIII	3.35 4.85 9.55 3.34 0 0 1.26 1.00 0 0 1.26 1.00 0 0 6.89 2.400 0 1.560 0 0 1.538 0 0 0 1.538 0 0 0 1.540 1.5	2447 111 35 0 462 0 0 462 0 0 0 WR-NR 1016 3001 30026 3775 0 0 0 WR-SR   Max (MW) 0 156	3.8 6.3 22.0 2.3 0.0 0.0 0.0 1.3 1.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 0.0 0.0 0.0 1.4 0.0 1.4 0.0 1.6 0.0 0.0 0.0 0.0 0.0 167.2 11.0 2.6 20.8 49.4 0.0 0.0 0.0 83.8 Import Avg (MW)  17  15	3.8 6.3 22.0 9.9 0.0 1.6 1.3 1.9 0.0 0.0 -7.7.0 -11.0 -2.6 -19.9 -49.4 24.2 -24.2 0.0 0.0 0.0 -58.6 -+vel/Export(-ve) Energy Exchange (MII) 0.40 0.35 0.40 0.35
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 RAIGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-RUDGI KOLHAPUR-RUDGI KOLHAPUR-RUDGI KOLHAPUR-RUDGI ROHABBEWADI  IN Region  ER  ER  PR  PR  PR  PR  PR  PR  PR  PR	TERNATIONAL EX  2 2 2 2 2 2 2 2 1 1 IIIIIIIIIIIIIIIII	3.35 485 9.55 3.34 0 0 126 100 0 0 126 100 0 0 0 560 0 1538 0 0 1538 0 0 0 1538 0 1538 0 1638 1738 1848 1858 1848 1848 1858 1858 1858 185	2447 111 35 0 462 0 0 30 0 0 0 WR-NR 1016 3001 3026 3775 0 0 0 87 WR-SR	3.8 6.3 22.0 2.3 0.0 0.0 0.0 1.3 1.9 0.0 0.0 90.2 0.0 0.0 0.0 24.2 0.0 0.0 0.0 25.1  Min (MW)	0.0 0.0 0.0 0.0 1.4 0.0 1.4 0.0 1.6 0.0 0.0 0.0 0.0 0.0 167.2 11.0 2.6 20.8 49.4 0.0 0.0 0.0 83.8 Import Avg (MW)  17  15	3.8 6.3 22.0 0.9 0.0 1.6 1.3 1.9 0.0 0.0 -77.0 -77.0 -77.0 -11.0 -2.6 -119.9 -49.4 24.2 0.0 0.0 -58.6 +ve/Export(-ve) Energy Exchange (MID) -2.11 0.40 -2.20 0.35
111	ZERDA-KANKROLI ZERDA-KHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-WORK MEHGAON-AURAIYA MALAPPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI  IN Region  ER  ER  ER  NER  NER	TERNATIONAL EX.  2 2 2 2 2 2 2 1 1 1 TERNATIONAL EX.  TERNATIONAL EX.  Line 1006Y MANGDECHHUALI ALIPURDUAR RECERT (in 1006Y MALA BRAGUR I 1006Y MA	3.35 485 9.55 3.34 0 0 126 100 0 0 126 100 0 0 0 560 0 1538 0 0 1538 0 0 0 1538 0 1538 0 1638 1738 1848 1858 1848 1848 1858 1858 1858 185	2447 111 35 0 462 0 0 462 0 0 0 WR-NR 1016 3001 30026 3775 0 0 0 WR-SR   Max (MW) 0 156	3.8 6.3 22.0 2.3 0.0 0.0 0.0 1.3 1.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 0.0 0.0 1.4 0.0 1.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 167.2 11.0 2.6 20.8 49.4 0.0 0.0 0.0 0.0 0.0 17 17 0 15	3.8 6.3 22.0 9.9 0.0 1.6 1.3 1.9 0.0 0.0 -7.7.0 -11.0 -2.6 -19.9 -49.4 24.2 -24.2 0.0 0.0 0.0 -58.6 -+vel/Export(-ve) Energy Exchange (MII) 0.40 0.35 0.40 0.35
111	ZERDA-KANKROLI ZERDA-KHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WANTA MEHGAON-AURAIYA MALANPUR-AURAIYA (WITH SR) BHADRAWATI B/B RAHCARH-PUGALUR SOLAPUR-RAIGHUR WARDHA-MIZAMABAD KOLHAPUR-RAIGHUR WARDHA-MIZAMABAD KOLHAPUR-RHODI PONDA-AMBEWADI  RE  ER  ER  PR  ER  ER  NER  NER  NER	TI  II  II  II  II  II  II  II  II  II	3.35 485 9.55 3.34 0 0 126 100 0 126 100 0 0 0 1560 0 1538 0 0 1538 0 0 0 1538 10 0 1538 10 10 1538 10 10 10 10 10 10 10 10 10 10 10 10 10	2447 11 35 0 462 0 0 462 0 0 0 WR-NR 1016 3001 3001 3026 3775 0 0 87 WR-SR   Max (MW) 0 156 0 21 8	3.8 6.3 22.0 2.3 0.0 0.0 0.0 1.3 1.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 0.0 0.0 1.4 0.0 1.5 0.0 0.0 0.0 0.0 0.0 0.0 167.2 11.0 2.6 20.8 49.4 0.0 0.0 0.0 0.0 17 17 0 15 0 -62 -85	3.8 6.3 22.0 0.9 0.0 1.6 1.3 1.9 0.0 0.0 2.77.0 2.6 1.9 2.9 4.9.4 2.4.2 0.0 0.0 0.0 0.0 2.58.6 4.0 4.0 0.0 0.0 2.58.6 4.0 0.0 0.0 0.0 0.0 2.10 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
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 RAIGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-RUDGI KOLHAPUR-RUDGI KOLHAPUR-RUDGI KOLHAPUR-RUDGI ROHABBEWADI  IN Region  ER  ER  PR  PR  PR  PR  PR  PR  PR  PR	TERNATIONAL EX.  2 2 2 2 2 2 2 1 1 1 TERNATIONAL EX.  TERNATIONAL EX.  Line 1006Y MANGDECHHUALI ALIPURDUAR RECERT (in 1006Y MALA BRAGUR I 1006Y MA	3.35 485 9.55 3.34 0 0 126 100 0 126 100 0 0 0 1560 0 1538 0 0 1538 0 0 0 1538 10 0 1538 10 10 1538 10 10 10 10 10 10 10 10 10 10 10 10 10	2447 111 35 0 462 0 0 30 0 0 0 WR-NR 1016 3001 3026 3775 0 0 0 87 WR-SR	3.8 6.3 22.0 2.3 0.0 0.0 0.0 1.3 1.9 0.0 0.0 90.2 0.0 0.0 0.0 24.2 0.0 0.0 0.0 25.1  Min (MW)	0.0 0.0 0.0 1.4 0.0 1.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 167.2 11.0 2.6 20.8 49.4 0.0 0.0 0.0 0.0 0.0 17 17 0 15	3.8 6.3 22.0 0.9 0.0 1.6 1.3 1.9 0.0 0.0 -77.0 -77.0 -11.0 -2.6 -19.9 -49.4 24.2 0.0 0.0 -58.6 +ve)/Export(-ve) Energy Exchange (MID) -2.11 0.40 -2.20 0.35
111	ZERDA-KANKROLI ZERDA-KHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-RANPUR GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RICHUR WARDHA-NIZ-MABAD KOLHAPUR-RICHUR WARDHA-NIZ-MABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI FONDA-AMBEWADI  NELDEM-AMBEWADI  IN  Region  ER  ER  ER  PR  ER  ER  ER  ER  ER	TERNATIONAL EX  2 2 2 2 2 2 2 2 1 1  TERNATIONAL EX  Line 400KV MANODECHHU-ALI ALIPURDUAR RECEPT (fr 4º 180KV) BINAGURI 12, BINAGURI 13, BINAGURI 14, BINAGURI 14	3.35 4.85 9.55 3.34 0 0 1.26 1.00 0 1.26 1.00 0 0 1.26 1.00 0 0 1.26 1.00 0 0 1.26 1.00 0 0 0 1.00 1.00 1.00 1.00 1.00 1.	2447 11 35 0 462 0 0 462 0 0 0 WR-NR 1016 3001 3001 3026 3775 0 0 87 WR-SR   Max (MW) 0 156 0 21 8	3.8 6.3 22.0 2.3 0.0 0.0 0.0 1.3 1.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 0.0 0.0 1.4 0.0 1.4 0.0 1.6 0.0 0.0 0.0 0.0 0.0 167.2  11.0 2.6 20.8 49.4 0.0 0.0 0.0 0.0 17  15  15  -62 -88	3.8 6.3 22.0 0.9 0.0 1.6 1.3 1.9 0.0 0.0 2.77.0 2.6 1.9 2.9 4.9.4 2.4.2 0.0 0.0 0.0 0.0 2.58.6 4.0 4.0 0.0 0.0 2.58.6 4.0 0.0 0.0 0.0 0.0 2.10 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
111	ZERDA-KANKROLI ZERDA-KHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WANTA MEHGAON-AURAIYA MALANPUR-AURAIYA (WITH SR) BHADRAWATI B/B RAHCARH-PUGALUR SOLAPUR-RAIGHUR WARDHA-MIZAMABAD KOLHAPUR-RAIGHUR WARDHA-MIZAMABAD KOLHAPUR-RHODI PONDA-AMBEWADI  RE  ER  ER  PR  ER  ER  NER  NER  NER	TI  II  II  II  II  II  II  II  II  II	3.35 4.85 9.55 3.34 0 0 1.26 1.00 0 1.26 1.00 0 0 1.26 1.00 0 0 1.26 1.00 0 0 1.26 1.00 0 0 0 1.00 1.00 1.00 1.00 1.00 1.	2447 11 35 0 462 0 0 462 0 0 0 WR-NR 1016 3001 3001 3026 3775 0 0 87 WR-SR   Max (MW) 0 156 0 21 8	3.8 6.3 22.0 2.3 0.0 0.0 0.0 1.3 1.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 0.0 0.0 1.4 0.0 1.5 0.0 0.0 0.0 0.0 0.0 0.0 167.2 11.0 2.6 20.8 49.4 0.0 0.0 0.0 0.0 17 17 0 15 0 -62 -85	3.8 6.3 22.0 0.9 0.0 1.6 1.3 1.9 0.0 0.0 2.77.0 2.6 1.9 2.9 4.9.4 2.4.2 0.0 0.0 0.0 0.0 2.58.6 4.0 4.0 0.0 0.0 2.58.6 4.0 0.0 0.0 0.0 0.0 2.10 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0