

National Load Despatch Centre राष्ट्रीय भार प्रेषण केंद्र POWER SYSTEM OPERATION CORPORATION LIMITED पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड

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

Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 27th Dec 2021

To,

- कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के.,14, गोल्फ क्लब रोड, कोलकाता 700033
 Executive Director, ERLDC, 14 Golf Club Road, Tollygunge, Kolkata, 700033
- 2. 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 26.12.2021.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 26-दिसंबर-2021 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 26th December 2021, is available at the NLDC website.

धन्यवाद,

पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली



Report for previous day
A. Power Supply Position at All India and Regional level Date of Reporting:

	NR	WR	SR	ER	NER	TOTAL
Demand Met during Evening Peak hrs(MW) (at 19:00 hrs; from RLDCs)	49539	53978	36079	19334	2476	161406
Peak Shortage (MW)	250	0	0	290	0	540
Energy Met (MU)	1012	1263	874	386	44	3579
Hydro Gen (MU)	104	37	71	27	11	250
Wind Gen (MU)	4	15	26	-	-	45
Solar Gen (MU)*	24.20	34.02	101.20	4.55	0.27	164
Energy Shortage (MU)	4.65	0.06	0.00	5.40	0.00	10.11
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	52486	61601	44042	19519	2552	175606
Time Of Maximum Demand Met (From NLDC SCADA)	10:55	11:40	09:45	18:09	17:34	10:44

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	0.060	0.39	2.44	11.82	14.65	71.00	14.35

		Max.Demand	Shortage during	Energy Met	Drawal	OD(+)/UD(-)	Max OD	Energ
Region	States	Met during the	maximum	(MU)	Schedule	(MU)	(MW)	Shorta
		day(MW)	Demand(MW)	, ,	(MU)	(MC)	(141 44)	(MU
	Punjab	6262	0	118.1	62.8	-1.2	180	0.00
	Haryana	6230	0	117.0	61.7	-1.3	141	0.00
	Rajasthan	15314	0	267.3	86.6	-1.7	310	0.00
	Delhi	4044	0	64.7	55.7	-0.5	378	0.00
NR	UP	17419	0	308.0	90.4	-0.6	530	0.00
	Uttarakhand	2151	0	40.4	27.4	0.8	235	0.00
	HP	1826	0	33.8	27.3	-0.3	201	0.00
	J&K(UT) & Ladakh(UT)	2820	250	58.8	52.4	1.5	360	4.65
	Chandigarh	213	0	3.7	3.8	-0.1	59	0.00
	Chhattisgarh	3886	0	83.1	33.5	-0.2	226	0.00
	Gujarat	17443	40	351.4	203.8	1.0	431	0.00
	MP	15535	0	300.6	188.8	1.2	856	0.00
WR	Maharashtra	23703	0	473.8	137.1	-3.3	531	0.00
	Goa	519	0	10.6	10.0	0.1	31	0.00
	DD	304	0	7.0	6.6	0.4	69	0.00
	DNH	811	0	18.9	18.9	0.0	84	0.00
	AMNSIL	814	0	17.9	8.4	-0.4	310	0.00
	Andhra Pradesh	9004	0	167.8	76.1	-0.8	222	0.00
	Telangana	9747	0	185.5	78.9	-2.2	336	0.00
SR	Karnataka	10311	0	187.1	41.4	-0.6	573	0.00
	Kerala	3255	0	64.7	53.4	-0.7	189	0.00
	Tamil Nadu	12523	0	263.1	145.5	-1.1	653	0.00
	Puducherry	300	0	6.2	6.8	-0.6	32	0.00
	Bihar	4764	0	81.7	70.5	-0.2	282	0.00
	DVC	3117	0	65.7	-37.1	-1.9	723	1.84
	Jharkhand	1498	0	29.1	19.6	0.1	178	3.50
ER	Odisha	5271	0	105.0	50.7	0.4	421	0.00
	West Bengal	5497	0	102.2	-6.9	-1.7	248	0.00
	Sikkim	116	0	2.0	1.5	0.5	58	0.00
	Arunachal Pradesh	141	0	2.3	2.1	0.0	87	0.00
	Assam	1374	0	23.2	17.5	-0.5	92	0.00
	Manipur	230	0	3.4	3.4	0.0	37	0.00
NER	Meghalaya	365	0	7.3	6.0	0.1	57	0.00
	Mizoram	119	0	2.1	1.4	0.0	11	0.00
	Nagaland	135	0	2.1	2.0	0.0	17	0.00
	Tripura	209	0	3,3	3,6	-0.4	21	0.00

D. Transnational Exchanges (MU) - Import(+ve)/Export(-ve)			
	Bhutan	Nepal	Bangladesh
Actual (MU)	4.0	-6.6	-12.2
Day Peak (MW)	368.0	-510.7	-536.0

Actual (MU)	4.0	-6.6	-12.2
Day Peak (MW)	368.0	-519.7	-536.0
E I	V.)/IID/)		

Et import Export by Regions (in 112) Import (170) Export (10), OE	(1)(02()					
	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	232.8	-129.3	48.4	-154.5	2.7	0.0
Actual(MU)	238.3	-119.8	33.6	-158.2	1.9	-4.3
O/D/U/D(MU)	5.6	9.5	-14.8	-3.7	-0.8	-4.3

F. Generation Outage(MW)							
	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	7926	11603	5922	1960	664	28074	41
State Sector	8270	17501	10153	4068	112	40103	59
Total	16196	29103	16075	6028	776	68178	100

	NR	WR	SR	ER	NER	All India	% Share
Coal	580	1257	503	545	9	2894	79
Lignite	25	12	46	0	0	83	2
Hydro	104	37	71	27	11	250	7
Nuclear	33	33	70	0	0	136	4
Gas, Naptha & Diesel	12	10	9	0	26	57	2
RES (Wind, Solar, Biomass & Others)	53	50	155	5	0	263	7
Total	808	1399	854	576	46	3684	100
							i
Share of RES in total generation (%)	6.61	3.59	18.15	0.78	0.58	7.15	
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation(%)	23.52	8.59	34.70	5.51	23.80	17.63	

H. All India Demand Diversity Factor	
Based on Regional Max Demands	1.026

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.

INTER-REGIONAL EXCHANGES

Import=(+ve) /Export =(-ve) for NET (MU)
Date of Reporting: 27-Dec-2021

							Date of Reporting:	27-Dec-2021
SI	Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
Impo	rt/Export of ER (1 1 1	1. 1.	F	-	
1	HVDC	ALIPURDUAR-AGRA	2	0	0	0.0	0.0	0.0
2		PUSAULI B/B	:	3	0	0.0	0.0	0.0
4		GAYA-VARANASI SASARAM-FATEHPUR	2	121 0	812 558	0.0	11.3 9.1	-11.3 -9.1
- 5	765 kV	GAYA-BALIA	î	0	636	0.0	11.1	-11.1
6		PUSAULI-VARANASI	1	35	101	0.0	1.4	-1.4
- 7 - 8		PUSAULI -ALLAHABAD MUZAFFARPUR-GORAKHPUR	1 2	22	156 882	0.0	2.1 13.2	-2.1 -13.2
9		PATNA-BALIA	4	Ö	1231	0.0	22.8	-22.8
10	400 kV	BIHARSHARIFF-BALIA	ż	Ŏ	391	0.0	6.3	-6.3
11		MOTIHARI-GORAKHPUR	2	0	551	0.0	9.6	-9.6
12		BIHARSHARIFF-VARANASI	2	0	361	0.0	6.0 1.7	-6.0
13 14	220 kV 132 kV	PUSAULI-SAHUPURI SONE NAGAR-RIHAND	1	0	124 0	0.0	0.0	-1.7 0.0
15		GARWAH-RIHAND	i	25	Ŏ	0.3	0.0	0.3
16	132 kV	KARMANASA-SAHUPURI	1	0	0	0.0	0.0	0.0
17	132 kV	KARMANASA-CHANDAULI	11	0	0 ER-NR	0.0	0.0	0.0
Impo	rt/Export of ER (With WR)			ER-NK	0.3	94.6	-94.2
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	716	638	0.7	0.0	0.7
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	442	699	0.0	2.5	-2.5
3	765 kV	JHARSUGUDA-DURG	2	206	118	0.0	0.0	0.0
4	400 kV	JHARSUGUDA-RAIGARH	4	280	276	0.0	1.0	-1.0
5		RANCHI-SIPAT	2	173	197	0.0	0.5	-0.5
6		BUDHIPADAR-RAIGARH	1	64	60	0.2	0.0	0.2
7		BUDHIPADAR-KAIGAKH BUDHIPADAR-KORBA	2	104	0		0.0	
	220 kV	DODINI ADAR-KUKBA	1 4	104	ER-WR	1.4 2.3	4.0	1.4 -1.7
Impo	rt/Export of ER (With SR)			ER-WK	210		-1./
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	390	0.0	8.7	-8.7
2		TALCHER-KOLAR BIPOLE	2	0	1984	0.0	34.6	-34.6
4	765 kV 400 kV	ANGUL-SRIKAKULAM TALCHER-I/C	2 2	647	2725 622	5.3	46.7 0.0	-46.7 5.3
5		BALIMELA-UPPER-SILERRU	1	647	622	5.3 0.0	0.0	5.3 0.0
					ER-SR	0.0	89.9	-89.9
Impo	rt/Export of ER (With NER)	·					
1		BINAGURI-BONGAIGAON	2	0	386	0.0	5.0	-5.0
3	400 kV 220 kV	ALIPURDUAR-BONGAIGAON ALIPURDUAR-SALAKATI	2	0	554 103	0.0	6.1 1.1	-6.1 -1.1
				ı V	ER-NER	0.0	12.2	-12.2
Impo	rt/Export of NER	(With NR)				OIO .		12.2
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	453	0.0	10.9	-10.9
Imno	rt/Export of WR	(With ND)			NER-NR	0.0	10.9	-10.9
1		CHAMPA-KURUKSHETRA	2	0	3013	0.0	46.5	-46.5
2		VINDHYACHAL B/B	-	448	0	5.6	0.0	5.6
3		MUNDRA-MOHINDERGARH	2	0	252	0.0	6.2	-6.2
4		GWALIOR-AGRA	2	0	1810	0.0	26.5	-26.5
6		GWALIOR-PHAGI JABALPUR-ORAI	2 2	0	2494 1070	0.0	41.1 31.1	-41.1 -31.1
7		GWALIOR-ORAI	1	964	0	18.6	0.0	18.6
ð	765 kV	SATNA-OKAI	1	0	1120	0.0	20.5	-20.5
9	765 kV	SATNA-ORAI BANASKANTHA-CHITORGARH	2	1684	1120 0	0.0 25.6	20.5 0.0	-20.5 25.6
9 10	765 kV 765 kV	BANASKANTHA-CHITORGARH VINDHYACHAL-VARANASI	2 2	1684 0	0 2432	25.6 0.0	0.0 43.3	25.6 -43.3
9 10 11	765 kV 765 kV 400 kV	BANASKANTHA-CHITORGARH VINDHYACHAL-VARANASI ZERDA-KANKROLI		1684 0 273	0 2432 0	25.6 0.0 4.5	0.0 43.3 0.0	25.6 -43.3 4.5
9 10 11 12	765 kV 765 kV 400 kV 400 kV	BANASKANTHA-CHITORGARH VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA -BHINMAL		1684 0 273 342	0 2432 0 59	25.6 0.0 4.5 3.2	0.0 43.3 0.0 0.0	25.6 -43.3 4.5 3.2
9 10 11	765 kV 765 kV 400 kV 400 kV 400 kV 400 kV	BANASKANTHA-CHITORGARH VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND	2 1 1	1684 0 273	0 2432 0	25.6 0.0 4.5	0.0 43.3 0.0	25.6 -43.3 4.5
9 10 11 12 13 14 15	765 kV 765 kV 400 kV 400 kV 400 kV 400 kV 220 kV	BANASKANTHA-CHITORGARH VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR	2 1 1	1684 0 273 342 970 21 0	0 2432 0 59 0 425	25.6 0.0 4.5 3.2 21.9 0.0 0.0	0.0 43.3 0.0 0.0 0.0 3.8 0.0	25.6 -43.3 4.5 3.2 21.9 -3.8 0.0
9 10 11 12 13 14 15 16	765 kV 765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV	BANASKANTHA-CHITORGARH VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK	2 1 1	1684 0 273 342 970 21 0	0 2432 0 59 0 425 0	25.6 0.0 4.5 3.2 21.9 0.0 0.0 0.8	0.0 43.3 0.0 0.0 0.0 3.8 0.0	25.6 -43.3 4.5 3.2 21.9 -3.8 0.0 -0.1
9 10 11 12 13 14 15 16 17	765 kV 765 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV	BANASKANTHA-CHITORGARH VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA	2 1 1	1684 0 273 342 970 21 0 0 150	0 2432 0 59 0 425 0	25.6 0.0 4.5 3.2 21.9 0.0 0.0 0.8 1.2	0.0 43.3 0.0 0.0 0.0 3.8 0.0 0.8	25.6 -43.3 4.5 3.2 21.9 -3.8 0.0 -0.1 1.2
9 10 11 12 13 14 15 16	765 kV 765 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV	BANASKANTHA-CHITORGARH VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPUR-AURAHYA	2 1 1	1684 0 273 342 970 21 0	0 2432 0 59 0 425 0	25.6 0.0 4.5 3.2 21.9 0.0 0.0 0.8	0.0 43.3 0.0 0.0 0.0 3.8 0.0	25.6 -43.3 4.5 3.2 21.9 -3.8 0.0 -0.1
9 10 11 12 13 14 15 16 17 18	765 kV 765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 220 kV	BANASKANTHA-CHITORGARH VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA	2 1 1	1684 0 273 342 970 21 0 0 150 99	0 2432 0 59 0 425 0 30 0	25.6 0.0 4.5 3.2 21.9 0.0 0.0 0.8 1.2 2.1 0.0	0.0 43.3 0.0 0.0 0.0 3.8 0.0 0.8 0.0 0.0 0.0	25.6 -43.3 -4.5 3.2 21.9 -3.8 0.0 -0.1 1.2 2.1 0.0 0.0
9 10 11 12 13 14 15 16 17 18 19 20	765 kV 765 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV	BANASKANTHA-CHITORGARH VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAFP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIORISAWAI MADHOPUR RAJGHAT-LALITPUR	2 1 1	1684 0 273 342 970 21 0 0 150 99	0 2432 0 59 0 425 0 30 0	25.6 0.0 4.5 3.2 21.9 0.0 0.0 0.8 1.2 2.1 0.0	0.0 43.3 0.0 0.0 0.0 3.8 0.0 0.8 0.0 0.0	25.6 -43.3 4.5 3.2 21.9 -3.8 0.0 -0.1 1.2 2.1 0.0
9 10 11 12 13 14 15 16 17 18 19 20	765 kV 765 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 222 kV 223 kV 234 kV 245 kV 25 kV 27 kV 28 kV 29 kV 21 kV 21 kV 21 kV 21 kV 22 kV 23 kV 24 kV 25 kV 27 kV 28 kV 28 kV 29 kV 20 kV 20 kV 20 kV 20 kV 20 kV 20 kV 20 kV 21 kV 22 kV 22 kV 22 kV 22 kV 23 kV 24 kV 25 kV 27 kV 28 kV 28 kV 28 kV 29 kV 20 k	BANASKANTHA-CHITORGARH VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJAL-PUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA GWALIOR-SAWAI MADHOPUR RAIGHAT-LALITPUR (With SR)	2 1 1	1684 0 0 273 342 970 21 0 0 150 99	0 2432 0 59 0 425 0 30 0 0 0 0 WR-NR	25.6 0.0 4.5 3.2 21.9 0.0 0.0 0.8 1.2 2.1 0.0 0.0 0.0 83.4	0.0 43.3 0.0 0.0 0.0 0.0 3.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	25.6 -43.3 4.5 3.2 21.9 -3.8 0.0 -0.1 1.2 2.1 0.0 0.0 -136.3
9 10 11 12 13 14 15 16 17 18 19 20	765 kV 765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR HVDC	BANASKANTHA-CHITORGARH VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAFP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIORISAWAI MADHOPUR RAJGHAT-LALITPUR	2 1 1	1684 0 273 342 970 21 0 0 150 99	0 2432 0 59 0 425 0 30 0	25.6 0.0 4.5 3.2 21.9 0.0 0.0 0.8 1.2 2.1 0.0	0.0 43.3 0.0 0.0 0.0 0.0 3.8 0.0 0.0 0.0 0.0 0.0 219.7	25.6 -43.3 -4.5 3.2 21.9 -3.8 0.0 -0.1 1.2 2.1 0.0 0.0
9 10 11 12 13 14 15 16 17 18 19 20 Import	765 kV 765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV rt/Export of WR HVDC F65 kV	BANASKANTHA-CHITORGARH VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPURA-URAHYA MALANPURA-URAHYA GWALIOR-SAWAI MADHOPUR RAIGHAT-LALITPUR With SR) BHADRAWATI R/B RAIGARH-PUGALUR SOLAPUR-RAIGHUR	2 1 1 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1684 0 273 342 970 21 0 0 150 99 0	0 2432 0 59 0 425 0 0 0 0 0 WR-NR 0 1000 2140	25.6 0.0 4.5 3.2 21.9 0.0 0.0 0.8 1.2 2.1 0.0 0.0 1.2 1.2 1.2 1.2 1.3 1.4 1.5 1.5 1.6 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7	0.0 43.3 0.0 0.0 0.0 0.0 3.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	25.6 43.3 4.5 3.2 21.9 3.8 0.0 -0.1 1.2 2.1 0.0 0.0 -136.3 15.7 20.1 -5.2
9 10 11 12 13 14 15 16 17 18 19 20 Import	765 kV 765 kV 400 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV rt/Export of WR HVDC HVDC 765 kV	BANASKANTHA-CHITORGARH VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJAL-PUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WIth SR) BHADRAWATI B/B RAJGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD	2 1 1 1 2 2 1 1 1 1 1 1 2 2 2 1 1 1 1 1	1684 0 273 342 970 21 0 0 150 99 0 0 1448 1647 0	0 2432 0 0 59 0 0 425 0 0 0 0 0 0 0 0 0 0 0 0 1000 2140 2624	25.6 0.0 4.5 3.2 21.9 0.0 0.8 1.2 2.1 0.0 0.0 83.4	0.0 43.3 0.0 0.0 0.0 0.0 3.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1219.7	25.6 -43.3 4.5 3.2 21.9 -3.8 0.0 -0.1 1.2 2.1 0.0 0.0 -136.3 15.7 20.1 -5.2 -37.2
9 10 11 12 13 14 15 16 17 18 19 20 Impo 1 2 3 4 5	765 kV 765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR. HVDC HVDC 765 kV 400 kV	BANASKANTHA-CHITORGARH VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGRAH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI	2 1 1 1 2 1 1 1 1 1 1 1 2 2 1 1 1 1 2	1684 0 273 342 970 21 0 0 150 99 0 0 1448 1647 0 1438	0 2432 0 59 0 425 0 0 0 0 0 0 WR-NR 0 1000 2140 2624 0	25.6 0.0 4.5 3.2 21.9 0.0 0.8 1.2 2.1 0.0 0.0 83.4 15.7 20.1 7.6 0.0 0.0	0.0 43.3 0.0 0.0 0.0 0.0 3.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 12.8 37.2 0.0	25.6 43.3 4.5 3.2 21.9 -3.8 0.0 -0.1 1.2 2.1 0.0 -136.3 15.7 20.1 -5.2 -37.2 20.0
9 10 11 12 13 14 15 16 17 18 19 20 Impor 1 2 3 4 5 6	765 kV 765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 140 kV 150 kV	BANASKANTHA-CHITORGARH VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALJORS-SWAI MADHOPUR RAJGHAT-LALITPUR WWIS RB BHADRUM BERGANASH BHADRAWATI BERGANGARH RAJGHAT-LALITPUR WWIS RB BHADRAWATI BERGANGARH RAJGHAT-LALITPUR WWIS RB WARHANIZAMABAD KOLHAPUR-RICHUR KOLHAPUR-KUDGJ KOLHAPUR-CHIKODI	2 1 1 1 2 2 1 1 1 1 1 1 2 2 2 1 1 1 1 1	1684 0 273 342 970 21 0 0 150 99 0 0 1448 1647 0 1438	0 2432 0 0 0 0 0 425 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	25.6 0.0 4.5 3.2 21.9 0.0 0.8 1.2 2.1 0.0 0.0 83.4 15.7 20.1 7.6 0.0 0.0	0.0 43.3 0.0 0.0 0.0 0.0 3.8 0.0 0.0 0.0 0.0 0.0 0.0 219.7 0.0 0.0 12.8 37.2 0.0	25.6 -43.3 -4.5 -3.2 -21.9 -3.8 -0.0 -0.1 -1.2 -2.1 -0.0 -0.0 -136.3 -136.3 -15.7 -20.1 -5.2 -37.2 -20.0 -0.0
9 10 11 12 13 14 15 16 17 18 19 20 Impo 1 2 3 4 5	765 kV 765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV rt/Export of WR. HVDC T65 kV 765 kV 220 kV	BANASKANTHA-CHITORGARH VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGRAH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI	2 1 1 1 2 1 1 1 1 1 1 1 2 2 1 1 1 1 2	1684 0 273 342 970 21 0 0 150 99 0 0 1448 1647 0 1438	0 2432 0 59 0 425 0 0 0 0 0 0 WR-NR 0 1000 2140 2624 0	25.6 0.0 4.5 3.2 21.9 0.0 0.8 1.2 2.1 0.0 0.0 83.4 15.7 20.1 7.6 0.0 0.0	0.0 43.3 0.0 0.0 0.0 0.0 3.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 12.8 37.2 0.0	25.6 43.3 4.5 3.2 21.9 -3.8 0.0 -0.1 1.2 2.1 0.0 -136.3 15.7 20.1 -5.2 -37.2 20.0
9 10 11 12 13 14 15 16 17 18 19 20 Import 1 2 3 4 5 6	765 kV 765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV rt/Export of WR. HVDC T65 kV 765 kV 220 kV	BANASKANTHA-CHITORGARH VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJAL-PUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR BHADRAWATI B/B BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	2 1 1 1 2 2 1 1 1 1 1 2 2 2 2 2 2 2 2 2	1684 0 273 342 970 21 0 0 150 99 0 0 0 1448 1647 0 1438 0 0	0 2432 0 59 0 425 0 0 0 0 0 0 WR-NR 0 1000 2140 2624 0 0 0	25.6 0.0 4.5 3.2 21.9 0.0 0.0 0.8 1.2 2.1 0.0 0.0 83.4 15.7 20.1 7.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 43.3 0.0 0.0 0.0 0.0 3.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	25.6 43.3 4.5 3.2 21.9 -3.8 0.0 -0.1 1.2 2.1 0.0 -136.3 15.7 20.1 -5.2 20.0 0.0 0.0 1.2 1.4 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5
9 10 11 12 13 14 15 16 17 18 19 20 Import 1 2 3 4 5 6	765 kV 765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV rt/Export of WR. HVDC T65 kV 765 kV 220 kV	BANASKANTHA-CHITORGARH VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJAL-PUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR BHADRAWATI B/B BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	2 1 1 1 2 1 1 1 1 1 1 1 2 2 2 1 1 1 1 2	1684 0 273 342 970 21 0 0 150 99 0 0 0 1448 1647 0 1438 0 0	0 2432 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	25.6 0.0 4.5 3.2 21.9 0.0 0.8 1.2 2.1 0.0 0.0 83.4 15.7 20.1 7.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 43.3 0.0 0.0 0.0 0.0 3.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	25.6 43.3 4.5 3.2 21.9 -3.8 0.0 -0.1 1.2 2.1 0.0 -136.3 15.7 20.1 -5.2 -37.2 20.0 0.0 1.2 21.0 -1.4
9 10 11 12 13 14 15 16 17 18 19 20 Import 1 2 3 4 5 6	765 kV 765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV rt/Export of WR. HVDC T65 kV 765 kV 220 kV	BANASKANTHA-CHITORGARH VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJAL-PUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWATMADHOPUR RAIGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN	2 1 1 1 2 1 1 1 1 1 2 1 1 1 1 2 2 1	1684 0 273 342 970 21 0 0 150 99 0 0 0 1448 1647 0 1438 0 0	0 2432 0 59 0 425 0 0 0 0 0 0 0 WR-NR 0 10000 2140 2624 0 0 0 0 WR-SR	25.6 0.0 4.5 3.2 21.9 0.0 0.0 0.8 1.2 2.1 0.0 0.0 83.4 15.7 20.1 7.6 0.0 0.0 0.0 0.0 83.4	0.0 43.3 0.0 0.0 0.0 0.0 3.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1219.7 0.0 0.0 12.8 37.2 0.0 0.0 0.0 0.0 0.0 12.8 13.7 12.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	25.6 -43.3 4.5 3.2 21.9 -3.8 -0.0 -0.1 1.2 2.1 0.0 0.0 -136.3 15.7 20.1 -5.2 -37.2 20.0 0.0 0.0 1.2 14.6 +ve)/Export(-ve) Energy Exchange
9 10 11 12 13 14 15 16 17 18 19 20 Import 1 2 3 4 5 6	765 kV 765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR HVDC 765 kV 400 kV 220 kV 220 kV 220 kV	BANASKANTHA-CHITORGARH VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJAL-PUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR BHADRAWATI B/B BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	2	1684 0 0 1684 16	0 2432 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	25.6 0.0 4.5 3.2 21.9 0.0 0.8 1.2 2.1 0.0 0.0 83.4 15.7 20.1 7.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 43.3 0.0 0.0 0.0 0.0 3.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	25.6 43.3 4.5 3.2 21.9 -3.8 0.0 -0.1 1.2 2.1 0.0 -136.3 15.7 20.1 -5.2 -37.2 20.0 0.0 1.2 21.0 -1.4
9 10 11 12 13 14 15 16 17 18 19 20 Import 1 2 3 4 5 6	765 kV 765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR HVDC 765 kV 400 kV 220 kV 220 kV 220 kV	BANASKANTHA-CHITORGARH VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIORS-SWAI MADHOPUR RAIGHAT-LALITPUR WIth SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WOHDARH MARTINAMBAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN' Region	2 1 1 1 2 1 1 1 1 1 2 1 1 1 1 2 2 1	1684 0 0	0 2432 0 0 0 0 425 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	25.6 0.0 4.5 3.2 21.9 0.0 0.8 1.2 2.1 0.0 0.0 83.4 15.7 20.1 7.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 43.3 0.0 0.0 0.0 0.0 3.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1219.7 0.0 0.0 12.8 37.2 0.0 0.0 0.0 0.0 0.0 12.8 13.7 12.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	25.6 -43.3 4.5 3.2 21.9 -3.8 -0.0 -0.1 -1.2 2.1 0.0 0.0 -136.3 -15.7 -20.1 -5.2 -37.2 -20.0 0.0 0.0 1.2 1.4 +ve)/Export(-ve) Energy Exchange
9 10 11 12 13 14 15 16 17 18 19 20 Import 1 2 3 4 5 6	765 kV 765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR HVDC 765 kV 400 kV 220 kV 220 kV 220 kV	BANASKANTHA-CHITORGARH VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJAL-PUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWATMADHOPUR RAIGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN	2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1684 0 0 1684 0 0	0 2432 0 59 0 425 0 0 0 0 0 0 0 WR-NR 0 10000 2140 2624 0 0 0 0 WR-SR	25.6 0.0 4.5 3.2 21.9 0.0 0.0 0.8 1.2 2.1 0.0 0.0 83.4 15.7 20.1 7.6 0.0 0.0 0.0 0.0 83.4	0.0 43.3 0.0 0.0 0.0 0.0 3.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 12.9.7 0.0 0.0 12.8 37.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 12.8 37.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	25.6 -43.3 4.5 3.2 21.9 -3.8 -0.0 -0.1 -1.2 2.1 0.0 0.0 -136.3 -15.7 -20.1 -5.2 -37.2 -20.0 0.0 0.0 1.2 -14.6 -+ve)/Export(-ve) Energy Exchange
9 10 11 12 13 14 15 16 17 18 19 20 Import 1 2 3 4 5 6	765 kV 765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR HVDC 765 kV 400 kV 220 kV 220 kV 220 kV	BANASKANTHA-CHITORGARH VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJAL-PUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAIGHAT-LALITPUR WIth SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI XELDEM-AMBEWADI IN Region ER	2	1684 0 0 1684 0 1684 0	0 2432 0 59 0 425 0 0 0 0 0 0 0 WR-NR 0 10000 2140 2624 0 0 0 0 0 WR-SR	25.6 0.0 4.5 3.2 21.9 0.0 0.0 0.8 1.2 2.1 0.0 0.0 83.4 15.7 20.1 7.6 0.0 20.0 0.0 0.0 0.0 0.0 0.0 0.0 1.2 1.2 1.1 1.2 1.1 1.2 1.1 1.2 1.3 1.3 1.3 1.3 1.3 1.4 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5	0.0 43.3 0.0 0.0 0.0 0.0 3.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 12.8 37.2 0.0 0.0 0.0 0.0 0.0 12.8 37.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 50.0 Import(Avg (MW)	25.6 43.3 4.5 3.2 21.9 -3.8 0.0 -0.1 1.2 2.1 0.0 -1.36.3 15.7 20.1 -5.2 20.0 0.0 0.0 1.2 14.6 +ve)/Export(-ve) Energy Exchange (MII) 1.4
9 10 11 12 13 14 15 16 17 18 19 20 Import 1 2 3 4 5 6	765 kV 765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR HVDC 765 kV 400 kV 220 kV 220 kV 220 kV	BANASKANTHA-CHITORGARH VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIORS-SWAI MADHOPUR RAIGHAT-LALITPUR WIth SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WOHDARH MARTINAMBAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN' Region	2 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1684 0 0	0 2432 0 0 0 0 425 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	25.6 0.0 4.5 3.2 21.9 0.0 0.8 1.2 2.1 0.0 0.0 83.4 15.7 20.1 7.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 43.3 0.0 0.0 0.0 0.0 3.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 12.9.7 0.0 0.0 12.8 37.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 12.8 37.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	25.6 -43.3 4.5 3.2 21.9 -3.8 -0.0 -0.1 -1.2 2.1 0.0 0.0 -136.3 -15.7 -20.1 -5.2 -37.2 -20.0 0.0 0.0 1.2 1.4 +ve)/Export(-ve) Energy Exchange
9 10 11 12 13 14 15 16 17 18 19 20 Import 1 2 3 4 5 6	765 kV 765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 1400 kV 150 k	BANASKANTHA-CHITORGARH VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJAL-PUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAIGHAT-LALITPUR WIth SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI XELDEM-AMBEWADI IN Region ER	2	1684 0 0 1684 0 0	0 2432 0 59 0 425 0 0 0 0 0 0 0 WR-NR 0 10000 2140 2624 0 0 0 0 0 WR-SR	25.6 0.0 4.5 3.2 21.9 0.0 0.0 0.8 1.2 2.1 0.0 0.0 83.4 15.7 20.1 7.6 0.0 20.0 0.0 0.0 0.0 0.0 0.0 0.0 1.2 1.2 1.1 1.2 1.1 1.2 1.1 1.2 1.3 1.3 1.3 1.3 1.3 1.4 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5	0.0 43.3 0.0 0.0 0.0 0.0 3.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 12.8 37.2 0.0 0.0 0.0 0.0 0.0 12.8 37.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 50.0 Import(Avg (MW)	25.6 43.3 4.5 3.2 21.9 -3.8 0.0 -0.1 1.2 2.1 0.0 -136.3 15.7 20.1 -5.2 20.0 0.0 1.2 14.6 +ve)/Export(-ve) Energy Exchange (MII)
9 10 11 12 13 14 15 16 17 18 19 20 Import 1 2 3 4 5 6	765 kV 765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR HVDC 765 kV 400 kV 220 kV 220 kV 220 kV	BANASKANTHA-CHITORGARH VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJAL-PUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAIGHAT-LALITPUR WIth SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI XELDEM-AMBEWADI IN Region ER	2 1 1 1 2 1 1 1 1 1 1 1 1 1 2 1 1 1 1 1	1684 0 0 1684 0 0	0 2432 0 59 0 425 0 0 0 0 0 0 0 WR-NR 0 10000 2140 2624 0 0 0 0 0 WR-SR	25.6 0.0 4.5 3.2 21.9 0.0 0.0 0.8 1.2 2.1 0.0 0.0 83.4 15.7 20.1 7.6 0.0 20.0 0.0 0.0 0.0 0.0 0.0 0.0 1.2 1.2 1.1 1.2 1.1 1.2 1.1 1.2 1.3 1.3 1.3 1.3 1.3 1.4 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5	0.0 43.3 0.0 0.0 0.0 0.0 3.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 12.8 37.2 0.0 0.0 0.0 0.0 0.0 12.8 37.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 50.0 Import(Avg (MW)	25.6 43.3 4.5 3.2 21.9 -3.8 0.0 -0.1 1.2 2.1 0.0 -1.36.3 15.7 20.1 -5.2 20.0 0.0 0.0 1.2 14.6 +ve)/Export(-ve) Energy Exchange (MII) 1.4
9 10 11 12 13 14 15 16 17 18 19 20 Import 1 2 3 4 5 6	765 kV 765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 1400 kV 150 k	BANASKANTHA-CHITORGARH VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIORIS-SWAI MADHOPUR RAIGHAT-LALITPUR (With SR) BHADRAWATI E/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI REGION ER ER	2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1684 0 0 1684 0 0	0 2432 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	25.6 0.0 4.5 3.2 21.9 0.0 0.8 1.2 2.1 0.0 0.0 83.4 15.7 20.1 7.6 0.0 20.0 0.0 1.2 64.6	0.0 43.3 0.0 0.0 0.0 0.0 3.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1219.7 0.0 0.0 0.0 12.8 37.2 0.0 0.0 0.0 0.0 1.0 0.0 Timport(Avg (MW)	25.6 -43.3 4.5 3.2 21.9 -3.8 -0.0 -0.1 -1.2 2.1 0.0 0.0 -136.3 -15.7 -20.1 -5.2 -37.2 -20.0 0.0 0.0 -1.2 -1.4 -+ve)/Export(-ve) Energy Exchange (MII) 1.4 3.2
9 10 11 12 13 14 15 16 17 18 19 20 Import 1 2 3 4 5 6	765 kV 765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 1400 kV 150 k	BANASKANTHA-CHITORGARH VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJAL-PUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR BHADRAWATI R/B RAJGHAT-LALITPUR BHADRAWATI R/B RAJGARH-PUGALUR SOLAPPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN Region ER ER	2 1 1 1 2 1 1 1 1 1 1 1 1 2 1 1 1 1 2 2 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 1 1 1 1 1 1 2	1684 0 0 1684 1691	0 2432 0 0 59 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	25.6 0.0 4.5 3.2 21.9 0.0 0.0 0.8 1.2 2.1 0.0 0.0 83.4 15.7 20.1 7.6 0.0 20.0 0.0 0.0 1.2 4.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 43.3 0.0 0.0 0.0 0.0 3.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	25.6 43.3 4.5 3.2 21.9 -3.8 0.0 -0.1 1.2 2.1 0.0 -1.36.3 15.7 20.1 -5.2 20.0 0.0 0.0 1.2 14.6 +ve)/Export(-ve) Energy Exchange (MU) 1.4 3.2
9 10 11 12 13 14 15 16 17 18 19 20 Import 1 2 3 4 5 6	765 kV 765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 1400 kV 150 k	BANASKANTHA-CHITORGARH VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIORIS-SWAI MADHOPUR RAIGHAT-LALITPUR (With SR) BHADRAWATI E/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI REGION ER ER	2 1 1 1 2 1 1 1 1 1 1 1 1 1 2 1 1 1 1 1	1684 0 0 1684 1691	0 2432 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	25.6 0.0 4.5 3.2 21.9 0.0 0.8 1.2 2.1 0.0 0.0 83.4 15.7 20.1 7.6 0.0 20.0 0.0 1.2 64.6	0.0 43.3 0.0 0.0 0.0 0.0 3.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1219.7 0.0 0.0 0.0 12.8 37.2 0.0 0.0 0.0 0.0 1.0 0.0 Timport(Avg (MW)	25.6 -43.3 4.5 3.2 21.9 -3.8 -0.0 -0.1 -1.2 2.1 0.0 0.0 -136.3 -15.7 -20.1 -5.2 -37.2 -20.0 0.0 0.0 -1.2 -1.4 -+ve)/Export(-ve) Energy Exchange (MII) 1.4 3.2
9 10 11 12 13 14 15 16 17 18 19 20 Import 1 2 3 4 5 6	765 kV 765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 1400 kV 150 k	BANASKANTHA-CHITORGARH VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-HINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIORSAWAI MADHOPUR RAIGHAT-LALITPUR WITH SR BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI REGION ER ER ER ER	2 1 1 1 2 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1	1684 0 1684 0 1684 0 1684 0 1684	0 2432 0 0 59 0 0 425 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	25.6 0.0 4.5 3.2 21.9 0.0 0.0 0.8 1.2 2.1 0.0 0.0 83.4 15.7 20.1 7.6 0.0 0.0 0.0 0.0 1.2 64.6 Min (MW) 12	0.0 43.3 0.0 0.0 0.0 0.0 3.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	25.6 -43.3 4.5 3.2 21.9 -3.8 -0.0 -0.1 -1.2 2.1 0.0 0.0 -136.3 15.7 20.1 -5.2 -37.2 20.0 0.0 0.0 1.2 14.6 +ve)/Export(-ve) Energy Exchange (MIT) 1.4 3.2 -0.6
9 10 11 12 13 14 15 16 17 18 19 20 Import 1 2 3 4 5 6	765 kV 765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 1400 kV 150 k	BANASKANTHA-CHITORGARH VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJAL-PUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR BHADRAWATI R/B RAJGHAT-LALITPUR BHADRAWATI R/B RAJGARH-PUGALUR SOLAPPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN Region ER ER	2 1 1 1 2 1 1 1 1 1 1 1 1 2 1 1 1 1 2 2 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 1 1 1 1 1 1 2	1684 0 1684 0 1684 0 1684 0 1684	0 2432 0 0 59 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	25.6 0.0 4.5 3.2 21.9 0.0 0.0 0.8 1.2 2.1 0.0 0.0 83.4 15.7 20.1 7.6 0.0 20.0 0.0 0.0 1.2 4.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 43.3 0.0 0.0 0.0 0.0 3.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	25.6 -43.3 -4.5 -3.2 -21.9 -3.8 -0.0 -0.1 -1.2 -1.1 -0.0 -1.36.3 -1.36
9 10 11 12 13 14 15 16 17 18 19 20 Import 1 2 3 4 5 6	765 kV 765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 1400 kV 150 k	BANASKANTHA-CHITORGARH VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-HINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIORSAWAI MADHOPUR RAIGHAT-LALITPUR WITH SR BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI REGION ER ER ER ER	2 1 1 1 1 1 1 1 1 1 1 1 1 2 2 1 1 1 1 1	1684 0 0 1684 1694	0 2432 0 0 59 0 0 425 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	25.6 0.0 4.5 3.2 21.9 0.0 0.0 0.8 1.2 2.1 0.0 0.0 83.4 15.7 20.1 7.6 0.0 0.0 0.0 0.0 1.2 64.6 Min (MW) 12	0.0 43.3 0.0 0.0 0.0 0.0 3.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 12.8 37.2 0.0 0.0 0.0 0.0 12.8 37.2 0.0 0.0 12.8 37.2 0.0 12.8 37.2 0.0 0.0 12.8 37.2 0.0 0.0 12.8 27.2 0.0 0.0 0.0 12.8 28.3 20 132	25.6 -43.3 4.5 3.2 21.9 -3.8 -0.0 -0.1 -1.2 2.1 0.0 0.0 -136.3 15.7 20.1 -5.2 -37.2 20.0 0.0 0.0 1.2 14.6 +ve)/Export(-ve) Energy Exchange (MIT) 1.4 3.2 -0.6
9 10 11 12 13 14 15 16 17 18 19 20 Import 1 2 3 4 5 6	765 kV 765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 1400 kV 150 k	BANASKANTHA-CHITORGARH VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-HINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIORSAWAI MADHOPUR RAIGHAT-LALITPUR WITH SR BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI REGION ER ER ER ER	2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1684 0 0 1684 1694	0 2432 0 0 59 0 0 425 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	25.6 0.0 4.5 3.2 21.9 0.0 0.0 0.8 1.2 2.1 0.0 0.0 83.4 15.7 20.1 7.6 0.0 0.0 0.0 0.0 1.2 64.6 Min (MW) 12	0.0 43.3 0.0 0.0 0.0 0.0 3.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	25.6 -43.3 4.5 3.2 21.9 -3.8 -0.0 -0.1 -1.2 2.1 0.0 0.0 -136.3 15.7 20.1 -5.2 -37.2 20.0 0.0 0.0 1.2 14.6 +ve)/Export(-ve) Energy Exchange (MIT) 1.4 3.2 -0.6
9 10 11 12 13 14 15 16 17 18 19 20 Import 1 2 3 4 5 6	765 kV 765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 1400 kV 150 k	BANASKANTHA-CHITORGARH VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALJORS-SWAH MADHOPUR RAJGHAT-LALITPUR WHIS RI BHADRUK BHANPURA-BHANDHOPUR RAJGHAT-LALITPUR WHIS RI BHADRAWATI BB RAIGARH-PUGALUR SOLAPUR-RAICHUR WOHDHANIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN REGION ER ER ER NER	2 1 1 1 1 1 1 1 1 1 1 1 1 2 2 1 1 1 1 1	1684 0 0 1684 1694	0 2432 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	25.6 0.0 4.5 3.2 21.9 0.0 0.0 0.8 1.2 2.1 0.0 0.0 83.4 15.7 20.1 7.6 0.0 20.0 0.0 1.2 4.4.6	0.0 43.3 0.0 0.0 0.0 0.0 3.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 12.8 37.2 0.0 0.0 0.0 0.0 12.8 37.2 0.0 0.0 12.8 37.2 0.0 12.8 37.2 0.0 0.0 12.8 37.2 0.0 0.0 12.8 27.2 0.0 0.0 0.0 12.8 28.3 20 132	25.6 -43.3 -4.5 -3.2 -21.9 -3.8 -0.0 -0.1 -1.2 -1.1 -0.0 -0.0 -136.3 -136.3 -1.5.7 -20.1 -5.2 -20.0 -0.0 -0.0 -1.2 -1.4.6 -ve)/Export(-ve) Energy Exchange (MII) -1.4 -0.6 -0.0 -0.0 -0.0 -0.0 -0.0 -0.0 -0.0
9 10 11 12 13 14 15 16 17 18 19 20 Import 1 2 3 4 5 6	765 kV 765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 1400 kV 150 k	BANASKANTHA-CHITORGARH VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJAL-PUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIORS-SWATIMADHOPUR RAIGHAT-LALITPUR WIth SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI XELDEM-AMBEWADI XELDEM-AMBEWADI IN Region ER ER NER	2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1684 0 0 1684 0	0 2432 0 30 59 0 425 0 0 0 0 0 0 0 0 0 WR-NR 0 0 1000 2140 0 2624 0 0 0 68 WR-SR Max (MW) 170 165	25.6 0.0 4.5 3.2 21.9 0.0 0.0 0.8 1.2 2.1 0.0 0.0 83.4 15.7 20.1 7.6 0.0 20.0 0.0 1.2 4.4 64.6 Min (MW) 12 0 -4	0.0 43.3 0.0 0.0 0.0 0.0 3.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 12.8 37.2 0.0 0.0 0.0 0.0 12.8 37.2 0.0 0.0 12.8 37.2 0.0 12.8 37.2 0.0 0.0 12.8 37.2 0.0 0.0 12.8 27.2 0.0 0.0 0.0 12.8 28.3 20 132	25.6 -43.3 -4.5 -3.2 -21.9 -3.8 -0.0 -0.1 -1.2 -2.1 -0.0 -0.1 -1.2 -2.1 -0.0 -1.36.3 -1.5.7 -20.1 -5.2 -20.0 -0.0 -1.2 -1.4.6 -1.4 -1.4 -1.4 -1.4 -1.4 -1.4 -1.4 -1.4
9 10 11 12 13 14 15 16 17 18 19 20 Import 1 2 3 4 5 6	765 kV 765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 1400 kV 220 kV 220 kV 220 kV 220 kV 220 kV 220 kV 32 kV 33 kV 400 kV 400 kV 220 kV 55 kV 56 kV 220 kV 220 kV 220 kV 400 kV 4	BANASKANTHA-CHITORGARH VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALJORS-SWAH MADHOPUR RAJGHAT-LALITPUR WHIS RI BHADRUK BHANPURA-BHANDHOPUR RAJGHAT-LALITPUR WHIS RI BHADRAWATI BB RAIGARH-PUGALUR SOLAPUR-RAICHUR WOHDHANIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN REGION ER ER ER NER	2 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1684 0 0 1684 0	0 2432 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	25.6 0.0 4.5 3.2 21.9 0.0 0.0 0.8 1.2 2.1 0.0 0.0 83.4 15.7 20.1 7.6 0.0 20.0 0.0 1.2 4.4.6	0.0 43.3 0.0 0.0 0.0 0.0 3.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	25.6 -43.3 -4.5 -3.2 -21.9 -3.8 -0.0 -0.1 -1.2 -1.1 -0.0 -0.0 -136.3 -1.5.7 -20.1 -5.2 -20.0 -0.0 -0.0 -1.2 -1.4.6 -ve)/Export(-ve) -Energy Exchange (MII) -1.4 -0.6 -0.0 -0.0 -0.0 -0.0 -0.0 -0.0 -0.0
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9 10 11 12 13 14 15 16 17 18 19 20 Import 1 2 3 4 5 6	765 kV 765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 1400 kV 220 kV 220 kV 220 kV 220 kV 220 kV 220 kV 32 kV 33 kV 400 kV 400 kV 220 kV 55 kV 56 kV 220 kV 220 kV 220 kV 400 kV 4	BANASKANTHA-CHITORGARH VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJAL-PUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIORS-SWATIMADHOPUR RAIGHAT-LALITPUR WIth SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI XELDEM-AMBEWADI XELDEM-AMBEWADI IN Region ER ER NER	2 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1684 0 0 1684 0	0 2432 0 30 59 0 425 0 0 0 0 0 0 0 0 0 WR-NR 0 0 1000 2140 0 2624 0 0 0 68 WR-SR Max (MW) 170 165	25.6 0.0 4.5 3.2 21.9 0.0 0.0 0.8 1.2 2.1 0.0 0.0 83.4 15.7 20.1 7.6 0.0 20.0 0.0 1.2 4.4 64.6 Min (MW) 12 0 -4	0.0 43.3 0.0 0.0 0.0 0.0 3.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	25.6 -43.3 -4.5 -3.2 -21.9 -3.8 -0.0 -0.1 -1.2 -2.1 -0.0 -1.36.3 -1.5.7 -20.1 -5.2 -20.0 -0.0 -1.2 -1.4.6 -1.2 -1.4.6 -1.2 -1.4.6 -1.2 -1.4.6 -1.4 -1.4 -1.4 -0.6 -0.0 -0.0 -0.0 -0.0 -0.0 -0.0 -0.0
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9 10 11 12 13 14 15 16 17 18 19 20 Import 1 2 3 4 5 6	765 kV 765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 1400 kV 220 kV 220 kV 220 kV 220 kV 220 kV 220 kV 32 kV 33 kV 400 kV 400 kV 220 kV 55 kV 56 kV 220 kV 220 kV 220 kV 400 kV 4	BANASKANTHA-CHITORGARH VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALJORS-SWAH MADHOPUR RAJGHAT-LALITPUR WHIS SR) EHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WOHDA-RAICHUR WOHDA-RAICHUR WOHDA-RAICHUR RAIGHAT-LALITPUR WHIS SR) EHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR KOLHAPUR-CHIKODI PONDA-AMBEWADI IN Region ER ER ER NER NER NER	2 1 1 1 2 1 1 1 1 2 1 1 1 1 1 1 1 2 1 1 1 1 1 2 2 1 1 1 1 1 1 2 2 2 2 2 2 2 1 1 1 1 1 1 1 2 2 2 2 2 1 1 1 1 1 1 1 2 2 2 2 2 1 1 1 1 1 1 2 2 2 2 2 1 1 1 1 1 2 2 2 2 2 1 1 1 1 1 2 2 2 2 2 2 1 1 1 1 2 2 2 2 2 2 1 1 1 1 2 2 2 2 2 2 1 1 1 1 2 2 2 2 2 2 2 2 1 1 1 1 2 2 2 2 2 2 2 1 1 1 1 2 2 2 2 2 2 2 1 1 1 1 2 2 2 2 2 2 2 2 1 1 1 1 2 2 2 2 2 2 2 2 2 1 1 1 1 2 2 2 2 2 2 2 2 2 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 1 1 1 1 2	1684 0 0 1684 0	0 2432 0 0 0 0 0 0 425 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	25.6 0.0 4.5 3.2 21.9 0.0 0.0 0.8 1.2 2.1 0.0 0.0 83.4 15.7 20.1 7.6 0.0 20.0 0.0 1.2 64.6 Min (MW) 12 0 -4 -13	0.0 43.3 0.0 0.0 0.0 0.0 3.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1219.7 0.0 0.0 12.8 37.2 0.0 0.0 0.0 12.8 37.2 132 2 -1 -13	25.6 -43.3 -4.5 -3.2 -21.9 -3.8 -0.0 -0.1 -1.2 -2.1 -0.0 -0.0 -1.36.3 -15.7 -20.1 -5.2 -20.0 -0.0 -0.0 -1.2 -1.4.6 -+ve)/Export(-ve)
9 10 11 12 13 14 15 16 17 18 19 20 Import 1 2 3 4 5 6	765 kV 765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 1400 kV 220 kV 220 kV 220 kV 220 kV 220 kV 220 kV 32 kV 33 kV 400 kV 400 kV 220 kV 55 kV 56 kV 220 kV 220 kV 220 kV 400 kV 4	BANASKANTHA-CHITORGARH VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJAL-PUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIORS-SWATIMADHOPUR RAJGHAT-LALITPUR BHADAWATI B/B RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAJGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN Region ER ER NER NER NER NER NER NER	2 1 1 1 2 1 1 1 1 2 1 1 1 1 1 1 1 2 1 1 1 1 1 2 2 1 1 1 1 1 1 2 2 2 2 2 2 2 1 1 1 1 1 1 1 2 2 2 2 2 1 1 1 1 1 1 1 2 2 2 2 2 1 1 1 1 1 1 2 2 2 2 2 1 1 1 1 1 2 2 2 2 2 1 1 1 1 1 2 2 2 2 2 2 1 1 1 1 2 2 2 2 2 2 1 1 1 1 2 2 2 2 2 2 1 1 1 1 2 2 2 2 2 2 2 2 1 1 1 1 2 2 2 2 2 2 2 1 1 1 1 2 2 2 2 2 2 2 1 1 1 1 2 2 2 2 2 2 2 2 1 1 1 1 2 2 2 2 2 2 2 2 2 1 1 1 1 2 2 2 2 2 2 2 2 2 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 1 1 1 1 2	1684 0 0 1684 1697 273 342 273 342 2970 21 0 0 0 150 0 0 0 150 0 0 0 0 0 0 0 0 0	0 2432 0 30 59 0 425 0 0 0 0 0 0 0 0 0 0 0 0 1000 2140 0 2624 0 0 0 68 WR-SR Max (MW) 170 165 12 8 13 -52 -128	25.6 0.0 4.5 3.2 21.9 0.0 0.0 0.8 1.2 2.1 0.0 0.0 83.4 15.7 20.1 7.6 0.0 20.0 0.0 1.2 64.6 Min (MW) 12 0 -4 -13	0.0 43.3 0.0 0.0 0.0 0.0 0.0 3.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1219.7 0.0 0.0 12.8 37.2 0.0 0.0 0.0 12.8 37.2 0.0 132 2 -1 -13 -209	25.6 43.3 4.5 3.2 21.9 -3.8 0.0 -0.1 1.2 2.1 0.0 0.0 -1.36.3 15.7 20.1 -5.2 20.0 0.0 0.0 1.2 14.6 +ve)/Export(-ve) Energy Exchange (MII) 1.4 3.2 -0.6 0.0 0.0 0.0 -0.3
9 10 11 12 13 14 15 16 17 18 19 20 1 1 2 3 4 5 6 7 8	765 kV 765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 1400 kV 132 k	BANASKANTHA-CHITORGARH VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA GWALIORS-SWAI MADHOPUR RAIGHAT-LALITPUR WIth SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WOH SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WOH SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WOH SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI IN' Region ER ER ER ER ER ER ER ER ER E	2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1684	0 2432 0 0 0 0 425 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	25.6 0.0 4.5 0.0 4.5 3.2 21.9 0.0 0.0 0.8 1.2 2.1 0.0 0.0 83.4 15.7 20.1 7.6 0.0 20.0 0.0 0.0 1.2 64.6 Min (MW) 12 0 -4 -13	0.0 43.3 0.0 0.0 0.0 0.0 3.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 12.9 0.0 0.0 12.8 37.2 0.0 0.0 0.0 12.8 37.2 132 2 2 -1 -13 -209	25.6 -43.3 4.5 -43.3 4.5 3.2 21.9 -3.8 -0.0 -0.1 -1.2 2.1 0.0 0.0 -136.3 -15.7 -20.1 -5.2 -20.0 0.0 0.0 -1.2 -1.2 -37.2 -20.0 0.0 -1.2 -1.4 -4-ve)/Export(-ve) Energy Exchange (MII) -6.6 -0.0 -0.0 -0.3 -1.2 -5.0 -10.4
9 10 11 12 13 14 15 16 17 18 19 20 11 20 3 4 5 6 7 8	765 kV 765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 1400 kV 220 kV 220 kV 220 kV 220 kV 220 kV 220 kV 32 kV 33 kV 400 kV 400 kV 220 kV 55 kV 56 kV 220 kV 220 kV 220 kV 400 kV 4	BANASKANTHA-CHITORGARH VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJAL-PUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIORS-SWATIMADHOPUR RAJGHAT-LALITPUR BHADAWATI B/B RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAJGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN Region ER ER NER NER NER NER NER NER	2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1684 0 0 1684 1697 273 342 273 342 2970 21 0 0 0 150 0 0 0 150 0 0 0 0 0 0 0 0 0	0 2432 0 0 0 0 425 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	25.6 0.0 4.5 3.2 21.9 0.0 0.0 0.8 1.2 2.1 0.0 0.0 83.4 15.7 20.1 7.6 0.0 20.0 0.0 1.2 64.6 Min (MW) 12 0 -4 -13	0.0 43.3 0.0 0.0 0.0 0.0 0.0 3.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1219.7 0.0 0.0 12.8 37.2 0.0 0.0 0.0 12.8 37.2 0.0 132 2 -1 -13 -209	25.6 -43.3 -4.5 -3.2 -21.9 -3.8 -0.0 -0.1 -1.2 -1.1 -0.0 -0.3 -136.3 -1.2 -1.6 -1.2 -1.4.6 -1.4.6 -1.4 -1.4 -1.4 -1.4 -1.4 -1.4 -1.4 -1.4