

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, कृतुब इन्स्टीट्यूशनल एरिया, कटवारिया सराये, न्यू दिल्ली-110016

Ref: POSOCO/NLDC/SO/Daily PSP Report

Id

दिनांक: 24th April 2022

To,

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

Sub: Daily PSP Report for the date 23.04.2022.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 23-अप्रैल-2022 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 23rd April 2022, 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 20:00 hrs; from RLDCs)	53887	60724	45038	23503	2691	185843
Peak Shortage (MW)	3960	0	0	687	0	4647
Energy Met (MU)	1231	1498	1117	528	46	4420
Hydro Gen (MU)	174	52	97	64	8	396
Wind Gen (MU)	4	73	22		-	99
Solar Gen (MU)*	99.81	49.32	96.79	5.15	0.29	251
Energy Shortage (MU)	76.06	9.15	1.86	9.22	0.04	96.33
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	54724	67958	54045	23918	2784	197309
Time Of Maximum Demand Met (From NLDC SCADA)	20:00	15:21	11:51	23:15	18:43	11:36

B. Frequency Profile (%)
Region
All India

		Max.Demand	Shortage during	Energy Met	Drawal	OD(+)/UD(-)	Max OD	Energy
Region	States	Met during the dav(MW)	maximum Demand(MW)	(MU)	Schedule (MU)	(MU)	(MW)	Shorta; (MU)
	Punjab	7719	0	171.5	62.6	-2.0	69	0.50
	Harvana	7289	300	156.5	83.9	0.7	212	20.23
	Rajasthan	12405	1308	257.0	67.3	0.2	304	39.43
	Delhi	5082	0	104.9	89.0	-1.9	199	0.00
NR	UP	19056	0	424.2	164.9	-1.1	334	3.78
	Uttarakhand	2153	70	41.2	25.9	0.3	349	4.27
	HP	1637	0	31.9	13.1	3.7	539	1.57
	J&K(UT) & Ladakh(UT)	1896	0	39.6	27.0	-0.5	88	6.28
	Chandigarh	223	0	4.7	4.6	0.0	24	0.00
	Chhattisgarh	4876	0	114.4	56.9	-1.5	168	0.00
	Gujarat	20377	0	433.0	206.6	0.4	766	0.00
	MP	12235	0	273.4	139.9	-0.4	441	9.15
WR	Maharashtra	28210	0	615.3	194.2	1.2	799	0.00
	Goa	687	0	15.6	14.0	1.2	60	0.00
	DD	339	0	6.9	6.9	0.0	33	0.00
	DNH	873	0	20.2	20.0	0.2	62	0.00
	AMNSIL	858	0	19.5	9.5	0.3	352	0.00
	Andhra Pradesh	11072	0	208.1	81.7	2.4	654	1.86
	Telangana	10692	0	219.3	101.3	0.0	796	0.00
SR	Karnataka	12188	0	238.1	67.3	-1.5	567	0.00
	Kerala	3564	0	80.9	54.0	-0.8	283	0.00
	Tamil Nadu	16741	0	361.0	211.8	2.9	631	0.00
	Puducherry	443	0	9.5	9.8	-0.3	25	0.00
	Bihar	5785	0	112.3	102.5	-0.7	410	2.64
	DVC	3584	0	79.1	-45.5	-0.2	270	0.00
	Jharkhand	1550	0	31.2	21.1	0.6	209	6.58
ER	Odisha	5380	0	114.3	41.7	5.3	784	0.00
	West Bengal	9221	0	189.8	63.3	2.1	744	0.00
	Sikkim	99	0	1.5	1.4	0.1	49	0.00
	Arunachal Pradesh	132	0	2.2	2.4	-0.2	29	0.00
	Assam	1643	0	27.2	22.5	-0.6	84	0.00
	Manipur	193	0	2.5	2.6	-0.1	28	0.04
NER	Meghalaya	335	0	5.7	3.2	-0.2	27	0.00
	Mizoram	116	0	1.6	1.8	-0.3	7	0.00
	Nagaland	139	0	2.2	2.3	-0.1	11	0.00
	Tripura	266	0	4.4	4.1	-0.1	30	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	9.7	-6.8	-25.6
Day Peak (MW)	511.0	51.0	-1100.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	128.6	-165.9	156.3	-117.7	-1.3	0.0
Actual(MU)	121.1	-168.5	151.9	-110.1	-3.9	-9.5
O/D/U/D(MU)	-7.5	-2.6	-4.4	7.6	-2.6	-9.5

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	4434	12699	7268	1920	1091	27412	50
State Sector	8059	11531	5567	2050	47	27253	50
Total	12493	24229	12835	3970	1138	54665	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	773	1466	618	607	18	3481	77
Lignite	14	14	50	0	0	78	2
Hydro	174	52	97	64	8	396	9
Nuclear	22	33	46	0	0	100	2
Gas, Naptha & Diesel	22	14	17	0	29	82	2
RES (Wind, Solar, Biomass & Others)	129	123	149	5	0	407	9
Total	1134	1702	977	676	55	4544	100
GI EDEC: 4.4.1 (9/)							ì
Share of RES in total generation (%)	11.42	7.23	15.29	0.76	0.53	8.97	
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation(%)	28.67	12.23	29.95	10.20	15.44	19.88	

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.031
Rased on State Max Demands	1 060

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: 24-Apr-2022

							Date of Reporting:	
Sl	Voltage Level	Line Details	No. of Circuit	Max Import (MW)	May Export (MW)	Import (MU)	Export (MU)	24-Apr-2022 NET (MU)
No			No. of Circuit	wax import (wi w)	Max Export (MW)	Import (MC)	Laport (MC)	NEI (MC)
1mpo	rt/Export of ER (\) HVDC	ALIPURDUAR-AGRA	2.	0	0	0.0	0.0	0.0
2		PUSAULI B/B	÷	4	0	0.0	0.0	0.0
3	765 kV	GAYA-VARANASI	2	0	494	0.0	6.8	-6.8
5	765 kV	SASARAM-FATEHPUR	!	0	470	0.0	9.6 6.9	-9.6
6		GAYA-BALIA PUSAULI-VARANASI	+	0	387 94	0.0	1.5	-6.9 -1.5
7	400 kV	PUSAULI -ALLAHABAD	<u> </u>	0	133	0.0	1.8	-1.5
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	1006	0.0	15.2	-15.2
9		PATNA-BALIA	2	0	494	0.0	8.9	-8.9
10		NAUBATPUR-BALIA BIHARSHARIFF-BALIA	2	0 34	546 385	0.0	9.0 4.7	-9.0
12		MOTIHARI-GORAKHPUR	2	0	0	0.0	0.0	-4.7 0.0
13		BIHARSHARIFF-VARANASI	2	Ö	285	0.0	4.1	-4.1
14	220 kV	SAHUPURI-KARAMNASA	1	0	146	0.0	2.6	-2.6
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.0	0.0	0.0
16	132 kV	GARWAH-RIHAND	1	25 0	0	0.4	0.0	0.4
17 18	132 kV 132 kV	KARMANASA-SAHUPURI KARMANASA-CHANDAULI	1	0	0	0.0	0.0	-0.2 0.0
10	102 11 1	TETROLINIA CHEN DI CONTRACTO			ER-NR	0.4	71.4	-71.0
Impo	rt/Export of ER (With WR)						
1		JHARSUGUDA-DHARAMJAIGARH	4	629	0	12.7	0.0	12.7
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	299	175	1.1	0.0	1.1
3	765 kV	JHARSUGUDA-DURG	2	0	314	0.0	3.8	-3.8
4	400 kV	JHARSUGUDA-RAIGARH	4	0	312	0.0	5.4	-5.4
5	400 kV	RANCHI-SIPAT	2	35	162	0.0	1.5	-1.5
6	220 kV	BUDHIPADAR-RAIGARH	1	0	124	0.0	2.2	-2.2
7	220 kV	BUDHIPADAR-KORBA	2	78	17	0.6	0.0	0.6
L					ER-WR	14.4	12.9	1.5
	rt/Export of ER (WITH SK)	2	0	347	0.0	7.5	-7.5
2	HVDC HVDC	JEYPORE-GAZUWAKA B/B TALCHER-KOLAR BIPOLE	2	0	1986	0.0	45.9	-7.5 -45.9
3	765 kV	ANGUL-SRIKAKULAM	2	Ů	2380	0.0	47.4	-47.4
4	400 kV	TALCHER-I/C	2	322	152	0.0	0.4	-0.4
5	220 kV	BALIMELA-UPPER-SILERRU	1	2	0	0.0	0.0	0.0
Imn	rt/Export of ER (With NED)			ER-SR	0.0	100.8	-100.8
1 1 1		BINAGURI-BONGAIGAON	2	400	0	5.4	0.0	5.4
2		ALIPURDUAR-BONGAIGAON	2	528	0	8.1	0.0	8.1
3	220 kV	ALIPURDUAR-SALAKATI	2	101	0	1.4	0.0	1.4
T	nt/Enmont of NED	(Wish ND)			ER-NER	14.9	0.0	14.9
1	rt/Export of NER HVDC	BISWANATH CHARIALI-AGRA	2	463	0	11.0	0.0	11.0
	пове	DISWANATH CHARIALI-AGRA		703	NER-NR	11.0	0.0	11.0
Impo	rt/Export of WR (With NR)						
1		CHAMPA-KURUKSHETRA	2	0	221	0.0	4.4	-4.4
2	HVDC	VINDHYACHAL B/B	2	93	0	2.4	0.0	2.4
3	HVDC 765 kV	MUNDRA-MOHINDERGARH GWALIOR-AGRA	2	491 0	0 1445	10.0 0.0	24.7	10.0 -24.7
5		GWALIOR-PHAGI	2	0	1447	0.0	21.4	-21.4
6		JABALPUR-ORAI	2	0	668	0.0	22.2	-22.2
7		GWALIOR-ORAI	1	645	0	12.2	0.0	12.2
8	765 kV	SATNA-ORAI	1	0	993	0.0	21.2	-21.2
9	765 kV	BANASKANTHA-CHITORGARH VINDHVACHAL-VARANASI	2	1163	2228	13.7	0.0 43.3	13.7
10	765 kV	VINDHYACHAL-VARANASI	2 2	1163 0 295	2228	0.0	43.3 0.0	-43.3
			2 2 1 1	0			43.3	
10 11 12 13	765 kV 400 kV 400 kV 400 kV	VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA -BHINMAL VINDHYACHAL -RIHAND	2 2 1 1 1	0 295 499 975	2228 0 92 0	0.0 3.8 3.6 22.6	43.3 0.0 0.0 0.0	-43.3 3.8 3.6 22.6
10 11 12 13 14	765 kV 400 kV 400 kV 400 kV 400 kV	VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPUR	2 2 1 1 1 2	0 295 499 975 366	2228 0 92 0 243	0.0 3.8 3.6 22.6 2.2	43.3 0.0 0.0 0.0 1.9	-43.3 3.8 3.6 22.6 0.4
10 11 12 13 14 15	765 kV 400 kV 400 kV 400 kV 400 kV 220 kV	VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR	2 2 1 1 1 2	0 295 499 975 366 0	2228 0 92 0 243 0	0.0 3.8 3.6 22.6 2.2 0.0	43.3 0.0 0.0 0.0 1.9 0.0	-43.3 3.8 3.6 22.6 0.4 0.0
10 11 12 13 14 15 16	765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV	VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK	2 2 1 1 1 2 1 1	0 295 499 975 366 0	2228 0 92 0 243 0 30	0.0 3.8 3.6 22.6 2.2 0.0 0.0	43.3 0.0 0.0 0.0 1.9 0.0 0.0	-43.3 3.8 3.6 22.6 0.4 0.0 0.0
10 11 12 13 14 15	765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV	VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA	2 2 1 1 2 1 1 1 1 1	0 295 499 975 366 0	2228 0 92 0 243 0	0.0 3.8 3.6 22.6 2.2 0.0	43.3 0.0 0.0 0.0 1.9 0.0	-43.3 3.8 3.6 22.6 0.4 0.0
10 11 12 13 14 15 16 17 18 19	765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV	VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK	2 2 1 1 1 2 1 1 1 1 1 1	0 295 499 975 366 0 143	2228 0 92 0 243 0 30	0.0 3.8 3.6 22.6 2.2 0.0 0.0	43.3 0.0 0.0 0.0 1.9 0.0 0.0 0.0 0.0 0.0	-43.3 3.8 3.6 22.6 0.4 0.0 0.0
10 11 12 13 14 15 16 17 18	765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV	VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RHIAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPURA-URAHYA	2 2 1 1 1 2 1 1 1 1 1 1 1 2	0 295 499 975 366 0 143 74	2228 0 92 0 243 0 30 0 0	0.0 3.8 3.6 22.6 2.2 0.0 0.0 0.9 2.2 0.0	43.3 0.0 0.0 0.0 0.0 1.9 0.0 0.0 0.0 0.0 0.0	-43.3 3.8 3.6 22.6 0.4 0.0 0.0 0.9 2.2 0.0 0.0
10 11 12 13 14 15 16 17 18 19 20	765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV	VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR	1 1 1 1 1	0 295 499 975 366 0 0 143 74	2228 0 92 0 243 0 30 0 0	0.0 3.8 3.6 22.6 2.2 0.0 0.0 0.9 2.2 0.0	43.3 0.0 0.0 0.0 1.9 0.0 0.0 0.0 0.0 0.0	-43.3 3.8 3.6 22.6 0.4 0.0 0.0 0.9 2.2
10 11 12 13 14 15 16 17 18 19 20	765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 142 kV 144 kV 145 kV 147 kV	VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B	1 1 1 1 1	0 295 499 975 366 0 0 143 74	2228 0 92 0 243 0 30 0 0	0.0 3.8 3.6 22.6 2.2 0.0 0.0 0.9 2.2 0.0	43.3 0.0 0.0 0.0 0.0 1.9 0.0 0.0 0.0 0.0 0.0	-43.3 3.8 3.6 22.6 0.4 0.0 0.0 0.9 2.2 0.0 0.0
10 11 12 13 14 15 16 17 18 19 20	765 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 14V bC HVDC	VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANNUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPURA-URAHYA GWALLOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B BHADRAWATI B/B RAJGAR-PUGALUR	1 1 1 1 1 1 2	0 295 499 975 366 0 0 143 74 0	2228 0 92 0 32 243 0 0 0 0 0 WR-NR	0.0 3.8 3.6 22.6 2.2 0.0 0.0 0.9 2.2 0.0 0.0 73.6	43.3 0.0 0.0 0.0 1.9 0.0 0.0 0.0 0.0 0.0 139.0	-43.3 3.8 3.6 22.6 0.4 0.0 0.9 2.2 0.0 0.0 -65.5
10 11 12 13 14 15 16 17 18 19 20 Import	765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV HVDC HVDC 765 kV	VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPUR-AURAHYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WITH SRIP BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAJCHUR	1 1 1 1 1 1 2	0 295 499 975 366 0 0 143 74 0 0	2228 0 92 0 92 0 30 0 0 0 0 0 WR-NR 1016 3009 1317	0.0 3.8 3.6 22.6 22.2 0.0 0.0 0.9 2.2 0.0 0.0 73.6	43.3 0.0 0.0 0.0 1.9 0.0 0.0 0.0 0.0 0.0 139.0 21.5 55.8 12.4	-43,3 3.8 3.6 22.6 0.4 0.0 0.0 0.9 2.2 0.0 0.0 -65,5 -21,5 -55,8 -12,3
10 11 12 13 14 15 16 17 18 19 20 Import	765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 142 kV 145 kV 147 kV 147 kV 148 kV 149 kV 150 kV 160 kV 170 kV	VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANFUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA WISH SR) BHADRAWATI B/B BHADRAWATI B/B RAIGHATALITPUR WISH SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD	1 1 1 1 1 1 2 2	0 295 499 975 366 0 0 143 74 0 0	2228 0 92 0 3243 0 0 0 0 0 0 0 WR-NR 1016 3009 1317 2179	0.0 3.8 3.6 22.6 0.0 0.0 0.9 2.2 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 1.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 2.0 0.0 0	-43.3 3.8 3.6 22.6 0.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0
10 11 12 13 14 15 16 17 18 19 20 Import	765 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV rt/Export of WR HVDC 765 kV 400 kV	VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPUR-AURAHYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WITH SRIP BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAJCHUR	1 1 1 1 1 1 2	0 295 499 975 366 0 0 143 74 0 0	2228 0 92 0 92 0 30 0 0 0 0 0 WR-NR 1016 3009 1317	0.0 3.8 3.6 22.6 22.2 0.0 0.0 0.9 2.2 0.0 0.0 73.6	43.3 0.0 0.0 0.0 1.9 0.0 0.0 0.0 0.0 0.0 139.0 21.5 55.8 12.4	-43,3 3.8 3.6 0.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0
10 11 12 13 14 15 16 17 18 19 20 Impor 1 2 3 4 5 6	765 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 400 kV 220 kV	VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RHIAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPUR-AURAHYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR Wih SR) BHADRAWATI B/B BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI	1 1 1 1 1 1 2 2 2 2 2 2 2	0 295 499 975 366 0 0 143 74 0 0 0	2228 0 92 0 92 0 243 0 0 0 0 0 WR-NR 1016 3009 1317 2179 0	0.0 3.8 3.6 22.6 0.0 0.0 0.9 2.2 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 1.9 0.0 0.0 0.0 0.0 0.0 0.0 139.0 139.0 21.5 55.8 12.4 38.9 0.0 0.0	-43.3 3.8 3.6 22.6 0.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0
10 11 12 13 14 15 16 17 18 19 20 Import 1 2 3 4 5	765 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 400 kV 220 kV	VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPUR-AURAHYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KENDA BHINNAMBAD	1 1 1 1 1 1 2 2 2 2 2 2 2	0 295 499 975 366 0 0 143 74 0 0 0 0 168 0 0	2228 0 92 0 92 0 30 0 243 0 0 0 0 0 WR-NR 1016 3009 1317 2179 0 0 125	0.0 3.8 3.6 22.6 22.6 0.0 0.0 0.9 2.2 0.0 0.0 0.0 0.0 0.0 0.0 0.1 0.0 0.0 0.0	43.3 0.0 0.0 0.0 1.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 139.0 21.5 55.8 12.4 38.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	-43.3 3.8 3.6 22.6 0.4 0.0 0.9 0.9 2.2 0.0 0.0 0.0 0.0 -65.5 -21.5 -55.8 -12.3 -38.9 24.9 0.0 0.0 0.0 0.0 -2.2
10 11 12 13 14 15 16 17 18 19 20 Impor 1 2 3 4 5 6	765 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 400 kV 220 kV	VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPUR-AURAHYA MALANPUR-AURAHYA WILOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WILOR-SAWAI MADHOPUR RAJGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD 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	0 295 499 975 366 0 0 143 74 0 0 0 0 168 0 0 0 133 74 0 0	2228 0 92 0 92 0 243 0 0 0 0 0 WR-NR 1016 3009 1317 2179 0 0	0.0 3.8 3.6 2.2.6 2.2 0.0 0.0 0.9 2.2 0.0 0.0 73.6 0.0 0.1 0.0 0.1 0.0 0.0 0.0 0.1 0.0 0.0	43.3 0.0 0.0 0.0 1.9 0.0 0.0 0.0 0.0 0.0 0.0 139.0 21.5 55.8 12.4 12.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	-43.3 3.8 3.6 0.4 0.4 0.0 0.0 0.9 2.2 0.0 0.0 -65.5 -21.5 -21.5 -25.8 -12.3 -38.9 -24.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0
10 11 12 13 14 15 16 17 18 19 20 Impor 1 2 3 4 5 6	765 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 400 kV 220 kV	VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPUR-AURAHYA MALANPUR-AURAHYA WILOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WILOR-SAWAI MADHOPUR RAJGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	1 1 1 1 1 1 2 2 2 2 2 2 2	0 295 499 975 366 0 0 143 74 0 0 0 0 168 0 0 0 133 74 0 0	2228 0 92 0 92 0 30 0 243 0 0 0 0 0 WR-NR 1016 3009 1317 2179 0 0 125	0.0 3.8 3.6 22.6 22.6 0.0 0.0 0.9 2.2 0.0 0.0 0.0 0.0 0.0 0.0 0.1 0.0 0.0 0.0	43.3 0.0 0.0 0.0 1.9 0.0 0.0 0.0 0.0 0.0 0.0 139.0 21.5 55.8 12.4 12.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	-43,3 3.8 3.6 0.4 0.0 0.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
10 11 12 13 14 15 16 17 18 19 20 Impor 1 2 3 4 5 6	765 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 400 kV 220 kV	VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPUR-AURAHYA MALANPUR-AURAHYA WILOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WILOR-SAWAI MADHOPUR RAJGARI-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	1 1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2	0 295 499 975 366 0 0 143 74 0 0 0 0 168 0 0 0 133 74 0 0	2228 0 92 0 92 0 30 0 243 0 0 0 0 0 WR-NR 1016 3009 1317 2179 0 0 125	0.0 3.8 3.6 22.6 22.6 0.0 0.0 0.9 2.2 0.0 0.0 0.0 0.0 0.0 0.0 0.1 0.0 0.0 0.0	43.3 0.0 0.0 0.0 1.9 0.0 0.0 0.0 0.0 0.0 0.0 139.0 21.5 55.8 12.4 12.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	-43,3 3,8 3,6 0,0 0,0 0,0 0,0 0,0 0,0 0,0 0,0 0,0 0
10 11 12 13 14 15 16 17 18 19 20 Impor 1 2 3 4 5 6	765 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR (HVDC 765 kV 400 kV 220 kV	VINDHYACHAL-VARANASI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPUR-AURAHYA MALANPUR-AURAHYA WISH SR) BHADRAWATI B/B BHADRAWATI B/B RAIGARB-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 295 499 975 366 0 0 143 74 0 0 0 0 168 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2228 0 92 0 243 0 0 243 0 0 0 WR-NR 1016 1317 2179 0 0 125 WR-SR	0.0 3.8 3.6 22.6 22.2 0.0 0.0 0.9 2.2 0.0 73.6 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 1.9 0.0 0.0 0.0 0.0 0.0 0.0 139.0 21.5 55.8 12.4 38.9 0.0 0.0 0.0 128.7	-43,3 3.8 3.6 0.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
10 11 12 13 14 15 16 17 18 19 20 Impor 1 2 3 4 5 6	765 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR (HVDC 765 kV 400 kV 220 kV	VINDHYACHAL-VARANASI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPUR-AURAHYA MALANPUR-AURAHYA WISH SR) BHADRAWATI B/B BHADRAWATI B/B RAIGARB-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 295 499 975 366 0 0 143 74 0 0 168 0 168 0 168 0 1321 0 0 CCHANGES Name	2228 0 92 0 243 0 0 243 0 0 0 WR-NR 1016 1317 2179 0 0 125 WR-SR	0.0 3.8 3.6 22.6 22.2 0.0 0.0 0.9 2.2 0.0 73.6 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 1.9 0.0 0.0 0.0 0.0 0.0 0.0 139.0 21.5 55.8 12.4 38.9 0.0 0.0 0.0 128.7	-43,3 3,8 3,6 0,0 0,0 0,0 0,0 0,0 0,0 0,0 0,0 0,0 0
10 11 12 13 14 15 16 17 18 19 20 Impor 1 2 3 4 5 6	765 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR (HVDC 765 kV 400 kV 220 kV	VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANFUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA WITH SRIP WITH SRIP WITH SRIP BHADRAWATI B/B BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI 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	0 295 499 975 366 0 0 143 74 0 0 0 168 0 168 0 168 0 0 168 0 0 168 0 0 174 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2228 0 92 92 0 1 243 0 0 0 0 0 WR-NR 1016 3009 1317 2179 0 0 0 WR-SR	0.0 3.8 3.6 2.2.6 2.2 0.0 0.0 0.0 0.0 73.6 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 0.0 0.0 0.0 0.0 0.0	-43.3 3.8 3.6 -22.6 0.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 -65.5 -21.5 -55.8 -12.3 -38.9 24.9 0.0 0.0 -65.5 -101.2 -4ve)/Export(-ve) Energy Exchange
10 11 12 13 14 15 16 17 18 19 20 Impor 1 2 3 4 5 6	765 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR (HVDC 765 kV 400 kV 220 kV	VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-LITPUR WITH SIT SHANDAN S	1	0 295 499 975 366 0 0 143 74 0 0 168 0 168 0 1321 0 0 CCHANGES Name UCALIPURDUAR AR RECEIPT (from 4*180MW) URI 12,4 (& 400KV)	2228 0 92 0 92 0 243 0 0 0 0 0 WR-NR 1016 3009 1317 2179 0 0 125 WR-SR	0.0 3.8 3.6 2.2.6 2.2 0.0 0.0 0.9 2.2 0.0 0.0 73.6 0.0 0.1 0.0 0.1 0.0 2.4.9 0.0 0.0 2.5 27.5	43.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	-43,3 3.8 3.6 0.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 -65.5 -21.5 -55.8 -12.3 -38.9 0.0 0.0 2.5 -101.2 (+ve)/Export(-ve) Energy Exchange (MU)
10 11 12 13 14 15 16 17 18 19 20 Impor 1 2 3 4 5 6	765 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR (HVDC 765 kV 400 kV 220 kV	VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANFUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA WITH SRIP WITH SRIP WITH SRIP BHADRAWATI B/B BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN REGION	1	0 295 499 975 366 0 0 143 74 0 0 168 0 168 0 1321 0 0 CCHANGES Name UU-ALIPURDUAR AR RECEIPT (from 4*180MW) URI 12.4 (8*400kV)	2228 0 92 92 0 1 243 0 0 0 0 0 WR-NR 1016 3009 1317 2179 0 0 0 WR-SR	0.0 3.8 3.6 2.2.6 2.2 0.0 0.0 0.0 0.0 73.6 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 0.0 0.0 0.0 0.0 0.0	-43.3 3.8 3.6 -22.6 0.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 -65.5 -21.5 -55.8 -12.3 -38.9 24.9 0.0 0.0 -65.5 -101.2 -4ve)/Export(-ve) Energy Exchange
10 11 12 13 14 15 16 17 18 19 20 Impor 1 2 3 4 5 6	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 HVDC 765 kV 400 kV 220 kV 132 kV rt/Export of WR (220 kV 220 kV 220 kV State	VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANFUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA WITH SR) BHADRAWATI B/B BHADRAWATI B/B BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN Region ER	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 295 499 975 366 0 0 143 74 0 0 143 74 0 0 0 168 0 168 0 168 0 0 0 0 0 CHANGES Name U-ALIPURDUAR AR RECEIPT (from 4/180MW) URI 1,2,4 (& 400kW) URI 1,2,4 (& 400kW) URI 1,2,4 (& 400kW) AI SMAGURI AHEP (6°170MW) PARA 182 (& 220kW)	2228 0 92 92 92 0 0 243 0 0 0 0 WR-NR 1016 3009 1317 2179 0 0 0 WR-SR Max (MW) 258	0.0 3.8 3.6 2.2.6 2.2 0.0 0.0 0.0 0.0 73.6 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 0.0 0.0 0.0 0.0 0.0	-43,3 3.8 3.6 3.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0
10 11 12 13 14 15 16 17 18 19 20 Impor 1 2 3 4 5 6	765 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR (HVDC 765 kV 400 kV 220 kV	VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-LITPUR WITH SIT SHANDAN S	1	0 295 499 499 975 366 0 143 74 0 0 143 74 0 0 168 0 1321 0 0 1321 0 0 CCHANGES Name UU-ALIPURDUAR AR RECEIPT (from 4*180MW) URI 12.4 (8*400KV) URI 12.6 BINAGURI AHEP (6*170MW) PARA 182 (8*220KV) PARA 182 (8*220KV) PARA 182 (8*220KV) PARA 182 (8*220KV)	2228 0 92 0 92 0 243 0 0 0 0 0 WR-NR 1016 3009 1317 2179 0 0 125 WR-SR	0.0 3.8 3.6 2.2.6 2.2 0.0 0.0 0.9 2.2 0.0 0.0 73.6 0.0 0.1 0.0 0.1 0.0 2.4.9 0.0 0.0 2.5 27.5	43.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	-43,3 3.8 3.6 0.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 -65.5 -21.5 -55.8 -12.3 -38.9 0.0 0.0 2.5 -101.2 (+ve)/Export(-ve) Energy Exchange (MU)
10 11 12 13 14 15 16 17 18 19 20 Impor 1 2 3 4 5 6	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 HVDC 765 kV 400 kV 220 kV 132 kV rt/Export of WR (220 kV 220 kV 220 kV State	VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANFUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA WITH SR) BHADRAWATI B/B BHADRAWATI B/B BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN Region ER	1	0 295 499 499 975 366 0 143 74 0 0 143 74 0 0 168 0 168 0 1321 0 0 1321 0 0 CCHANGES Name AR RECEIPT (from 4*180MW) URI 1;2,4 (8*400KV URI) 1;6, BINAGURI AHEP (6*170MW) PARA I AE2 (& 220KV TA) 1;6, BINAGURI AHEP (6*170MW)	2228 0 92 92 92 0 0 243 0 0 0 0 WR-NR 1016 3009 1317 2179 0 0 0 WR-SR Max (MW) 258	0.0 3.8 3.6 2.2.6 2.2 0.0 0.0 0.0 0.0 73.6 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 0.0 0.0 0.0 0.0 0.0	-43,3 3.8 3.6 3.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0
10 11 12 13 14 15 16 17 18 19 20 Impor 1 2 3 4 5 6	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 HVDC 765 kV 400 kV 220 kV 132 kV rt/Export of WR (220 kV 220 kV 220 kV State	VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANFUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA WITH SR) BHADRAWATI B/B BHADRAWATI B/B BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN Region ER	1	0 295 499 499 975 366 0 143 74 0 0 143 74 0 0 168 0 168 0 1321 0 0 1321 0 0 CCHANGES Name AR RECEIPT (from 4*180MW) URI 1;2,4 (8*400KV URI) 1;6, BINAGURI AHEP (6*170MW) PARA I AE2 (& 220KV TA) 1;6, BINAGURI AHEP (6*170MW)	2228 0 92 92 92 0 0 243 0 0 0 0 WR-NR 1016 3009 1317 2179 0 0 0 WR-SR Max (MW) 258	0.0 3.8 3.6 3.6 2.2.6 2.2 0.0 0.0 0.0 0.0 73.6 0.0 0.0 0.0 0.0 2.4.9 0.0 0.0 2.4.9 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 0.0 0.0 0.0 0.0 0.0	-43,3 3.8 3.6 3.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0
10 11 12 13 14 15 16 17 18 19 20 Impor 1 2 3 4 5 6	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 HVDC 765 kV 400 kV 220 kV 132 kV rt/Export of WR (220 kV 220 kV 220 kV State	VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-RANPUR MALANPURA-URAIYA MALANPURA-URAIYA MALANPURA-URAIYA WITH SR BHADRAWATI B/B BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHANIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER	1	0 295 499 499 975 366 0 143 74 0 0 143 74 0 0 168 0 168 0 1321 0 0 1321 0 0 CCHANGES Name AR RECEIPT (from 4*180MW) URI 1;2,4 (8*400KV URI) 1;6, BINAGURI AHEP (6*170MW) PARA I AE2 (& 220KV TA) 1;6, BINAGURI AHEP (6*170MW)	2228 0 92 0 92 0 243 0 0 0 0 WR-NR 1016 3009 1317 2179 0 0 125 WR-SR	0.0 3.8 3.6 2.2.6 2.2.0 0.0 0.9 2.2.0 0.0 73.6 0.0 0.1 0.0 0.1 0.0 0.2.5 27.5	43.3 0.0 0.0 0.0 0.0 1.9 0.0 0.0 0.0 0.0 0.0 0.0 139.0 21.5 55.8 12.4 38.9 0.0 0.0 0.0 0.0 128.7 Imports Avg (MW) 184	-43,3 3.8 3.6 0.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 -65.5 -21.5 -55.8 -12.3 -38.9 0.0 0.0 2.5 -101.2 (+ve)/Export(-ve) Energy Exchange (MU) 4.4 5.2
10 11 12 13 14 15 16 17 18 19 20 Impor 1 2 3 4 5 6	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 HVDC 765 kV 400 kV 220 kV 132 kV rt/Export of WR (220 kV 220 kV 220 kV State	VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA WITH SR) BHADRAWATI B/B BHADRAWATI B/B BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN Region ER ER ER	1	0 295 499 975 366 0 0 143 74 0 0 143 74 0 0 168 168 0 168 0 169 168 0 168 0 168 0 168 0 174 0 0 0 168 0 168 0 174 0 0 0 174 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2228 0 92 0 92 0 243 0 0 0 0 WR-NR 1016 3009 1317 2179 0 0 125 WR-SR	0.0 3.8 3.6 3.6 2.2.6 2.2 0.0 0.0 0.0 0.0 73.6 0.0 0.0 0.0 0.0 2.4.9 0.0 0.0 2.4.9 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 1.9 0.0 0.0 0.0 0.0 0.0 0.0 139.0 21.5 55.8 12.4 38.9 0.0 0.0 0.0 0.0 128.7 Imports Avg (MW) 184	-43,3 3.8 3.6 0.4 0.0 0.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
10 11 12 13 14 15 16 17 18 19 20 Impor 1 2 3 4 5 6	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 HVDC 765 kV 400 kV 220 kV 132 kV rt/Export of WR (220 kV 220 kV 220 kV State	VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-RANPUR MALANPURA-URAIYA MALANPURA-URAIYA MALANPURA-URAIYA WITH SR BHADRAWATI B/B BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHANIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 295 499 975 366 0 0 143 74 0 0 143 74 0 0 168 168 0 168 0 169 168 0 168 0 168 0 168 0 174 0 0 0 168 0 168 0 174 0 0 0 174 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2228 0 92 92 92 0 0 243 0 0 0 0 WR-NR 1016 3009 1317 0 0 0 125 WR-SR Max (MW) 258 246	0.0 3.8 3.6 2.2.6 2.2.0 0.0 0.9 2.2.0 0.0 73.6 0.0 0.1 0.0 0.1 0.0 0.2.5 27.5	43.3 0.0 139.0 21.5 55.8 12.4 12.4 0.0 0.0	-43,3 3.8 3.6 3.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0
10 11 12 13 14 15 16 17 18 19 20 Impor 1 2 3 4 5 6	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 HVDC 765 kV 400 kV 220 kV 132 kV rt/Export of WR (220 kV 220 kV 220 kV State	VINDHYACHAL-VARANASI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-LITHUR WITH STATEMENT SHARE SHAR		0 295 499 499 975 366 0 0 143 74 0 0 168 0 168 0 168 0 168 0 0 168 0 0 168 0 168 0 0 168 0	2228 0 92 0 0 243 0 0 243 0 0 0 WR-NR 1016 3009 1317 2179 0 0 125 WR-SR Max (MW) 258	0.0 3.8 3.6 2.2.6 2.2.0 0.0 0.9 0.9 2.2.2 0.0 0.0 73.6 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 1.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 139.0 21.5 55.8 12.4 38.9 0.0 0.0 0.0 0.0 128.7 Imports Avg (MW) 184 218 8	-43,3 3.8 3.6 0.4 0.4 0.0 0.0 0.9 0.9 2.2 0.0 0.0 -65.5 -21.5 -55.8 -12.3 -38.9 24.9 0.0 2.5 -101.2 (+ve)/Export(-ve) (MU) 4.4 5.2 0.2 -0.1
10 11 12 13 14 15 16 17 18 19 20 Impor 1 2 3 4 5 6	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 HVDC 765 kV 400 kV 220 kV 132 kV rt/Export of WR (220 kV 220 kV 220 kV State	VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA WITH SR) BHADRAWATI B/B BHADRAWATI B/B BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN Region ER ER ER	TERNATIONAL EX TERNATIONAL EX Line 400KV MANGDECHI 12,23 i. a. Line 400KV MANGDECHI 12,283 i. a. Line 400KV MANGDECHI 132 i. a. i. a	0 295 499 499 975 366 0 0 143 74 0 0 168 0 168 0 168 0 168 0 0 168 0 0 168 0 168 0 0 168 0	2228 0 92 92 92 0 0 243 0 0 0 0 WR-NR 1016 3009 1317 0 0 0 125 WR-SR Max (MW) 258 246	0.0 3.8 3.6 3.6 2.2.6 2.2 0.0 0.0 0.0 0.0 73.6 0.0 0.0 0.0 0.0 2.4.9 0.0 0.0 2.4.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	43.3 0.0 139.0 21.5 55.8 12.4 12.4 0.0 0.0	-43,3 3.8 3.6 3.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0
10 11 12 13 14 15 16 17 18 19 20 Impor 1 2 3 4 5 6	765 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR (HVDC T65 kV 400 kV 220 kV 220 kV State	VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA WITH SR) BHADRAWATI B/B BHADRAWATI B/B BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN Region ER ER ER NER NER	1	0 295 499 975 366 0 0 143 74 0 0 0 143 74 0 0 0 168 0 168 0 168 0 0 168 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2228 0 92 92 92 0 0 243 0 0 0 0 WR-NR 1016 3009 1317 0 0 0 125 WR-SR Max (MW) 258 246 43 11	0.0 3.8 3.6 3.6 2.2.6 2.2 0.0 0.0 0.0 0.0 2.2 0.0 0.0 73.6 0.0 0.0 0.0 2.4.9 0.0 0.0 0.0 2.5 2.7.5	43.3 0.0 139.0 21.5 55.8 12.4 0.0 0.0	-43.3 3.8 3.6 3.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0
10 11 12 13 14 15 16 17 18 19 20 Impor 1 2 3 4 5 6	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 HVDC 765 kV 400 kV 220 kV 132 kV rt/Export of WR (220 kV 220 kV 220 kV State	VINDHYACHAL-VARANASI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-LITHUR WITH STATEMENT SHARE SHAR		0 295 499 975 499 975 366 0 0 143 74 0 0 0 143 74 0 0 0 168 0 168 0 168 0 168 0 168 0 0 0 168 0 0 0 168 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2228 0 92 0 0 243 0 0 243 0 0 0 WR-NR 1016 3009 1317 2179 0 0 125 WR-SR Max (MW) 258	0.0 3.8 3.6 2.2.6 2.2.0 0.0 0.9 0.9 2.2.2 0.0 0.0 73.6 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 1.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 139.0 21.5 55.8 12.4 38.9 0.0 0.0 0.0 0.0 128.7 Imports Avg (MW) 184 218 8	-43,3 3.8 3.6 0.4 0.4 0.0 0.0 0.9 0.9 2.2 0.0 0.0 -65.5 -21.5 -55.8 -12.3 -38.9 24.9 0.0 2.5 -101.2 (+ve)/Export(-ve) (MU) 4.4 5.2 0.2 -0.1
10 11 12 13 14 15 16 17 18 19 20 Impor 1 2 3 4 5 6	765 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR (HVDC T65 kV 400 kV 220 kV 220 kV State	VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA WITH SR) BHADRAWATI B/B BHADRAWATI B/B BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN Region ER ER ER NER NER	TERNATIONAL EX Line 400KV MANGDECHI 1,283 i.e. ALIPURDU MANGDECHU HEP 400KV TALA-BINAG MALBASE - BINAGG MALBASE - BINAGG MALBASE - BINAGG MALBASE - BIRPAR RECEIPT (from TAL 220KV CHUKHA-BIR 132KV MOTANGA-R 132KV MAHENDRAN TANAKPUR(NHPC) NEPAL IMPORT (FR	0 295 499 499 975 366 0 143 74 0 143 74 0 0 168 168 0 168 0 1321 0 0 168 18321 0 0 18124 0 0 18124 0 1	2228 0 92 92 92 0 0 243 0 0 0 0 WR-NR 1016 3009 1317 0 0 0 125 WR-SR Max (MW) 258 246 43 11	0.0 3.8 3.6 3.6 2.2.6 2.2 0.0 0.0 0.0 0.0 2.2 0.0 0.0 73.6 0.0 0.0 0.0 2.4.9 0.0 0.0 0.0 2.5 2.7.5	43.3 0.0 139.0 21.5 55.8 12.4 0.0 0.0	-43.3 3.8 3.6 3.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0
10 11 12 13 14 15 16 17 18 19 20 Impor 1 2 3 4 5 6	765 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR (HVDC T65 kV 400 kV 220 kV 220 kV State	VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA WITH SR) BHADRAWATI B/B BHADRAWATI B/B BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN Region ER ER ER NER NER	TERNATIONAL EX Line 400KV MANGDECHI 1,283 i.e. ALIPURDU MANGDECHU HEP 400KV TALA-BINAG MALBASE - BINAGG MALBASE - BINAGG MALBASE - BINAGG MALBASE - BIRPAR RECEIPT (from TAL 220KV CHUKHA-BIR 132KV MOTANGA-R 132KV MAHENDRAN TANAKPUR(NHPC) NEPAL IMPORT (FR	0 295 499 975 499 975 366 0 0 143 74 0 0 0 143 74 0 0 0 168 0 168 0 168 0 168 0 168 0 0 0 168 0 0 0 168 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2228 0 92 92 92 0 0 243 0 0 0 0 WR-NR 1016 3009 1317 0 0 0 125 WR-SR Max (MW) 258 246 43 11	0.0 3.8 3.6 3.6 2.2.6 2.2 0.0 0.0 0.0 0.0 2.2 0.0 0.0 73.6 0.0 0.0 0.0 2.4.9 0.0 0.0 0.0 2.5 2.7.5	43.3 0.0 139.0 21.5 55.8 12.4 0.0 0.0	-43.3 3.8 3.6 3.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0
10 11 12 13 14 15 16 17 18 19 20 Impor 1 2 3 4 5 6	765 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR (HVDC T65 kV 400 kV 220 kV 220 kV State	VINDHYACHAL-VARANASI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WANAWA MEHGAON-AURAHYA MALANPUR-AURAHYA MALANPUR-AURAHYA MALANPUR-AURAHYA MALANPUR-AURAHYA SWALDOR-SAWAI MADDIOPUR RAJGHAT-LALITPUR WITH SRI BHADRAWATI B/B RAJGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI XELDEM-AMBEWADI XELDEM-AMBEWADI XELDEM-AMBEWADI ER ER RE BR BR BR BR BR BR BR	TERNATIONAL EX Line 400KV MANGDECHI 1,283 i.e. ALIPURDU MANGDECHU HEP 400KV TALA-BINAG MALBASE - BINAGG MALBASE - BINAGG MALBASE - BINAGG MALBASE - BIRPAR RECEIPT (from TAL 220KV CHUKHA-BIR 132KV MOTANGA-R 132KV MAHENDRAN TANAKPUR(NHPC) NEPAL IMPORT (FR	0 295 499 499 975 366 0 143 74 0 143 74 0 0 168 168 0 168 0 1321 0 0 168 18321 0 0 18124 0 0 18124 0 1	2228 0 92 0 0 243 0 0 243 0 0 0 WR-NR 1016 3009 1317 2179 0 0 125 WR-SR Max (MW) 258 246 43 11 -225 -75	0.0 3.8 3.8 3.6 2.2 0.0 0.0 0.0 0.9 2.2 0.0 0.0 73.6 0.0 0.0 0.0 0.0 24.9 0.0 0.0 2.5 27.5 Min (MW) 0 1	43.3 0.0 0.0 0.0 0.0 0.0 1.9 0.0 0.0 0.0 0.0 0.0 0.0 139.0 21.5 55.8 12.4 38.9 0.0 0.0 0.0 0.0 128.7 Imports Avg (MW) 184 218 8 -3 -161	-43,3 3.8 3.8 3.6 0.4 0.4 0.0 0.0 0.9 2.2 0.0 0.0 -65.5 -21.5 -21.5 -21.5 -21.5 -21.5 -21.5 -21.5 -21.5 -21.5 -38.9 -24.9 0.0 0.0 2.5 -101.2 +ve)/Export(-ve) Energy Exchange (MU) 4.4 5.2 0.2 -0.1
10 11 12 13 14 15 16 17 18 19 20 Impor 1 2 3 4 5 6	765 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR (HVDC T65 kV 400 kV 220 kV 220 kV State	VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA WITH SR) BHADRAWATI B/B BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN REGION ER ER ER ER ER ER NER NER NE		0 295 499 975 499 975 366 0 0 143 74 0 0 0 143 74 0 0 0 168 0 168 0 168 0 1321 0 0 0 168 180 0 180 180 180 180 180 180 180 180	2228 0 92 92 92 92 93 0 0 0 0 0 WR-NR 1016 3009 1317 2179 0 0 0 125 WR-SR Max (MW) 258 246 43 11 -25 -75	0.0 3.8 3.6 3.6 2.2.6 2.2 0.0 0.0 0.0 0.0 2.2 0.0 0.0 73.6 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 0.0 1.9 0.0 0.0 0.0 0.0 0.0 0.0 139.0 21.5 55.8 12.4 38.9 0.0 0.0 0.0 0.0 128.7 Imports Avg (MW) 184 218 8 -3 -161	-43.3 3.8 3.8 3.6 -40.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
10 11 12 13 14 15 16 17 18 19 20 Impor 1 2 3 4 5 6	765 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR (HVDC T65 kV 400 kV 220 kV 220 kV State	VINDHYACHAL-VARANASI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WANAWA MEHGAON-AURAHYA MALANPUR-AURAHYA MALANPUR-AURAHYA MALANPUR-AURAHYA MALANPUR-AURAHYA SWALDOR-SAWAI MADDIOPUR RAJGHAT-LALITPUR WITH SRI BHADRAWATI B/B RAJGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI XELDEM-AMBEWADI XELDEM-AMBEWADI XELDEM-AMBEWADI ER ER RE BR BR BR BR BR BR BR		0 295 499 499 975 366 0 143 74 0 143 74 0 0 168 168 0 168 0 1321 0 0 168 18321 0 0 18124 0 0 18124 0 1	2228 0 92 0 0 243 0 0 243 0 0 0 WR-NR 1016 3009 1317 2179 0 0 125 WR-SR Max (MW) 258 246 43 11 -225 -75	0.0 3.8 3.8 3.6 2.2 0.0 0.0 0.0 0.9 2.2 0.0 0.0 73.6 0.0 0.0 0.0 0.0 24.9 0.0 0.0 2.5 27.5 Min (MW) 0 1	43.3 0.0 139.0 21.5 55.8 12.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 139.0 128.7 Imports Avg (MW) 184 218 8 3 3 10 10 10 10 10 10 10 10	-43,3 3.8 3.8 3.6 0.4 0.4 0.0 0.9 0.9 2.2 0.0 0.0 -65.5 -21.5 -21.5 -21.5 -21.5 -21.5 -21.5 -21.5 -24.9 0.0 0.0 2.5 -101.2 +ve)/Export(-ve) (MU) 4.4 5.2 0.2 -0.1
10 11 12 13 14 15 16 17 18 19 20 1 1 2 3 4 5 6 7 8	765 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR HVDC 765 kV 220 kV 220 kV 220 kV 320 kV 320 kV 320 kV 320 kV 320 kV 320 kV 400 kV 220 kV 400 kV 220 kV 220 kV 320 kV	VINDHYACHAL-VARANASI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-BANFUR MALANPURA-BURATYA MALANPURA-URATYA MALANPURA-URATYA MALANPURA-URATYA SWALIOR-SAWAI MADDIOPUR RAJGHAT-LALITPUR WITH SRI BHADRAWATI B/B RAJGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-MBEWADI XELDEM-AMBEWADI XELDEM-AMBEWADI XELDEM-AMBEWADI XELDEM-AMBEWADI XELDEM-AMBEWADI XELDEM-BURATYAMBEWADI XELDEM-BURATY		0 295 499 975 366 0 0 143 74 0 0 143 74 0 0 168 0 168 0 168 0 168 0 168 0 168 0 168 0 168 0 1821 0 0 0 168 184 184 184 184 184 184 184 184 184 18	2228 0 92 0 92 0 0 243 0 0 0 0 WR-NR 1016 3009 1317 2179 0 0 125 WR-SR Max (MW) 258 246 43 11 -225 -75 238	0.0 3.8 3.6 3.6 2.2.6 2.2 0.0 0.0 0.9 2.2 0.0 0.0 73.6 0.0 0.0 0.0 24.9 0.0 24.9 0.0 0.0 25.5 27.5 Min (MW) 0 1 0 22 0 0 0 0 0 0 0 0 0 0 0	43.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	-43.3 3.8 3.6 0.4 0.4 0.0 0.0 0.0 0.9 2.2 0.0 0.0 -65.5 -21.5 -55.8 -12.3 3.8.9 24.9 0.0 0.2 2.5 -101.2 +ve)/Export(-ve) Energy Exchange (MU) 4.4 5.2 0.2 -0.1 0.3 -1.3 -3.9 -1.7
10 11 12 13 14 15 16 17 18 19 20 1 1 2 3 4 5 6 7 8	765 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR (HVDC T65 kV 400 kV 220 kV 220 kV State	VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA WITH SR) BHADRAWATI B/B BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN REGION ER ER ER ER ER ER NER NER NE	TERNATIONAL EX TERNATIONAL EX 2 2 2 2 2 2 2 2 1 1 1 1 1 2 2 2 2 2 1 1 1 1 2 2 2 2 1 1 1 2 2 2 2 1 1 1 1 2 3 400KV MANGDECHI 1 2 400KV MANGDECHI 1 2 400KV MANGDECHI 1 2 400KV MANGDECHI 1 2 400KV MANGDECHI 1 3 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	0 295 499 975 366 0 0 143 74 0 0 143 74 0 0 168 0 168 0 168 0 168 0 168 0 168 0 168 0 168 0 1821 0 0 0 168 184 184 184 184 184 184 184 184 184 18	2228 0 92 92 92 92 93 0 0 0 0 0 WR-NR 1016 3009 1317 2179 0 0 0 125 WR-SR Max (MW) 258 246 43 11 -25 -75	0.0 3.8 3.6 3.6 2.2.6 2.2 0.0 0.0 0.0 0.0 2.2 0.0 0.0 73.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	43.3 0.0 139.0 21.5 55.8 12.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 139.0 128.7 Imports Avg (MW) 184 218 8 3 3 10 10 10 10 10 10 10 10	-43.3 3.8 3.8 3.6 -40.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0