

## 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

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दिनांक: 12<sup>th</sup> May 2021

Ref: POSOCO/NLDC/SO/Daily PSP Report

To,

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

- 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 11.05.2021.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 11-मई -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 11<sup>th</sup> May 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: 12-May-2021

	NR	WR	SR	ER	NER	TOTAL
Demand Met during Evening Peak hrs(MW) (at 20:00 hrs; from RLDCs)	46274	48277	39032	18002	2522	154107
Peak Shortage (MW)	200	0	0	0	1	201
Energy Met (MU)	1051	1214	962	403	45	3675
Hydro Gen (MU)	198	39	56	51	18	362
Wind Gen (MU)	25	108	52			185
Solar Gen (MU)*	46.04	42.58	95.01	4.94	0.18	189
Energy Shortage (MU)	3.45	0.00	0.00	0.00	0.03	3.48
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	47927	54029	45590	19760	2702	162518
Time Of Maximum Demand Met (From NLDC SCADA)	12:16	15:20	12:32	00:00	18:49	11:20

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	0.032	0.00	0.65	3.65	4.29	79.33	16.38

		Max.Demand	Shortage during	Energy Met	Drawal	OD(+)/UD(-)	Max OD	Energy
Region	States	Met during the day(MW)	maximum Demand(MW)	(MU)	Schedule (MU)	(MU)	(MW)	Shortag (MU)
	Punjab	6529	0	146.8	80.4	-0.9	75	0.00
	Harvana	6668	0	134.1	105.2	0.3	220	0.00
	Rajasthan	10804	140	218.1	73.5	0.5	534	0.00
	Delhi	3970	0	77.9	63.3	-2.7	42	0.00
NR	UP	18354	0	363.9	138.9	0.6	588	0.00
	Uttarakhand	1621	0	35.2	15.0	0.2	154	0.00
	HP	1349	0	26.6	6.6	-0.9	91	0.00
	J&K(UT) & Ladakh(UT)	2452	200	44.1	27.1	0.3	396	3.45
	Chandigarh	186	0	3.9	4.2	-0.3	20	0.00
	Chhattisgarh	3245	0	69.2	22.6	-3.0	473	0.00
	Gujarat	17399	0	373.2	124.4	1.6	557	0.00
	MP	9605	0	206.2	120.2	-3.5	516	0.00
WR	Maharashtra	22956	0	515.4	147.8	-2.3	655	0.00
	Goa	492	0	11.1	10.8	-0.3	37	0.00
	DD	298	0	6.5	6.3	0.2	19	0.00
	DNH	687	0	16.0	16.0	0.0	47	0.00
	AMNSIL	747	0	16.8	1.2	0.2	258	0.00
	Andhra Pradesh	10390	0	195.2	126.0	-1.3	972	0.00
	Telangana	8202	0	165.3	56.1	-1.4	491	0.00
SR	Karnataka	9734	0	190.8	60.1	-1.2	589	0.00
	Kerala	3331	0	72.1	51.1	0.3	195	0.00
	Tamil Nadu	14466	0	329.3	209.5	-2.3	333	0.00
	Puducherry	407	0	9.0	9.5	-0.4	20	0.00
	Bihar	5037	0	95.7	87.8	0.7	440	0.00
	DVC	3001	0	64.4	-48.3	0.1	276	0.00
	Jharkhand	1400	0	24.8	21.9	-2.7	112	0.00
ER	Odisha	4532	0	81.4	17.6	-1.1	642	0.00
	West Bengal	7017	0	135.5	26.8	-2.1	454	0.00
	Sikkim	74	0	1.0	1.2	-0.2	48	0.00
	Arunachal Pradesh	128	0	2.6	2.7	-0.2	17	0.00
	Assam	1535	0	26.4	20.8	-0.1	104	0.00
	Manipur	180	1	2.6	2.6	0.0	19	0.00
NER	Meghalaya	323	0	5.7	4.0	0.1	48	0.00
	Mizoram	104	0	1.5	1.7	-0.2	14	0.00
	Nagaland	135	3	2.2	2.4	-0.1	10	0.00
	Tripura	243	0	4.0	3.6	-0.6	59	0.03

D. Transnational Exchanges (MU) - Import(+ve)/Export(-ve)			
	Bhutan	Nepal	Bangladesh
Actual (MU)	11.3	-11.6	-23.9
Day Peak (MW)	645.0	-605.7	-1078.0

E. Import/Export by Regions (in MU) - Import(+ve)/Export(-ve); OD(+)/UD(-) WR -268.4 SR 180.6 179.9 ER -133.9 -134.9 NER TOTAL NR 221.9 Schedule(MU) Actual(MU) O/D/U/D(MU)

F. Generation Outage(MW)							
	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	5337	17972	8582	298	913	33103	45
State Sector	11203	15475	8745	4875	11	40309	55

G. Sourcewise generation (MU)							
	NR	WR	SR	ER	NER	All India	% Share
Coal	493	1230	452	517	10	2702	72
Lignite	19	10	47	0	0	75	2
Hydro	198	39	56	51	18	362	10
Nuclear	31	16	64	0	0	111	3
Gas, Naptha & Diesel	27	48	11	0	24	110	3
RES (Wind, Solar, Biomass & Others)	94	150	168	5	0	417	11
Total	862	1493	797	573	53	3779	100

Share of RES in total generation (%)	10.90	10.06	21.07	0.86	0.34	11.04
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation(%)	37.42	13.77	36.18	9.74	35.36	23.58

H. All India Demand Diversity Factor

Based on Regional Max Demands

Based on State Max Demands

1.046

Based on State Max Demands

1.093

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: 12-May-2021

2	Voltage Level						Date of Reporting:	12-May-2021
Impo 1 2		Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
2	rt/Export of ER (			<b></b>				
2		ALIPURDUAR-AGRA	1	0	0	0.0	0.0	0.0
	HVDC	PUSAULI B/B		0	249	0.0	6.1	-6.1
3		GAYA-VARANASI	2	Ŏ	725	0.0	12.4	-12.4
4		SASARAM-FATEHPUR	Ī	94	309	0.0	3.1	-3.1
5	765 kV	GAYA-BALIA	1	0	412	0.0	7.5	-7.5
6		PUSAULI-VARANASI	1	0	215	0.0	4.0	-4.0
7	400 kV	PUSAULI -ALLAHABAD	1	0	112	0.0	1.7	-1.7
8		MUZAFFARPUR-GORAKHPUR	2	0	748	0.0	10.6	-10.6
9		PATNA-BALIA	4	0	986	0.0	14.5	-14.5
10		BIHARSHARIFF-BALIA	2	26	295	0.0	4.0	-4.0
11		MOTIHARI-GORAKHPUR	2	0	435	0.0	6.7	-6.7
12		BIHARSHARIFF-VARANASI	2	0	320	0.0	4.8	-4.8
13		PUSAULI-SAHUPURI		53	104	0.0	1.0	-1.0
14		SONE NAGAR-RIHAND	<u> </u>	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND		20	0	0.4	0.0	0.4
16		KARMANASA-SAHUPURI	+ +	0	0	0.0	0.0	0.0
17	132 kV	KARMANASA-CHANDAULI	1	0	0 ER-NR	0.0	76.5	0.0
Impo	rt/Export of ER (	With WP)			ER-MK	0.4	70.0	-76.1
1		JHARSUGUDA-DHARAMJAIGARH	4	510	408	2.6	0.0	2.6
-								
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	677	562	2.9	0.0	2.9
3	765 kV	JHARSUGUDA-DURG	2	0	504	0.0	6.8	-6.8
4	400 kV	JHARSUGUDA-RAIGARH	4	300	183	1.1	0.0	1.1
5		RANCHI-SIPAT	2	228	160	0.7	0.0	0.7
-								
6	220 kV	BUDHIPADAR-RAIGARH	1	6	101	0.0	1.1	-1.1
7	220 kV	BUDHIPADAR-KORBA	2	163	0	2.4	0.0	2.4
匚					ER-WR	9.8	7.9	1.9
Impo	rt/Export of ER (							
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	407	0.0	8.9	-8.9
2		TALCHER-KOLAR BIPOLE	2	0	1937	0.0	46.7	-46.7
3		ANGUL-SRIKAKULAM	2	0	3023	0.0	57.4	-57.4
4		TALCHER-I/C	2	0	712	0.0	11.9	-11.9
5	220 kV	BALIMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0
<u> </u>					ER-SR	0.0	113.1	-113.1
	rt/Export of ER (						0.0	
1		BINAGURI-BONGAIGAON	2	334	120	4.6	0.0	4.6
2		ALIPURDUAR-BONGAIGAON	2	476	177	6.1	0.0	6.1
3	220 kV	ALIPURDUAR-SALAKATI	2	81	34	1.0	0.0	1.0
Ļ.		arra vin			ER-NER	11.8	0.0	11.8
	rt/Export of NER		1					
1	HVDC	BISWANATH CHARIALI-AGRA	2	469	0	8.9	0.0	8.9
Ļ.		THE NEW			NER-NR	8.9	0.0	8.9
	rt/Export of WR (							
_1_		CHAMPA-KURUKSHETRA	2	0	3528	0.0	58.1	-58.1
2	HVDC	VINDHYACHAL B/B		84	104	1.2	1.2	0.0
3		MUNDRA-MOHINDERGARH	2	0	1917	0.0	32.2	-32.2
4		GWALIOR-AGRA	2	0	2217	0.0	34.8	-34.8
5		PHAGI-GWALIOR	2	0	1860	0.0	29.8	-29.8
6		JABALPUR-ORAI	2	778	760	0.0	24.3	-24.3
7		GWALIOR-ORAI	1	750	0	12.4	0.0	12.4
8		SATNA-ORAI	1	0	1396	0.0	29.0	-29.0
9	765 kV	CHITORGARH-BANASKANTHA	2	948	0	13.8	0.0	13.8
10	400 kV	ZERDA-KANKROLI	1	289	0	4.4	0.0	4.4
11	400 kV	ZERDA -BHINMAL	1	445	0	6.4	0.0	6.4
12	400 kV	VINDHYACHAL -RIHAND	1	968	0	21.8	0.0	21.8
13		RAPP-SHUJALPUR	2	144	349	0.2	3.2	-3.0
14		BHANPURA-RANPUR	1	0	96	0.0	1.5	-1.5
15		BHANPURA-MORAK	1	0	30	0.0	1.2	-1.2
16		MEHGAON-AURAIYA	1	72	14			0.0
17						0.2	0.2	
18		MALANPUR-AURAIYA	1	44	33	0.5	0.0	0.5
	132 kV	MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR	1 1	0	33	0.5 0.0	0.0	0.5 0.0
19	132 kV	MALANPUR-AURAIYA	1 1 2		33 0 0	0.5 0.0 0.0	0.0 0.0 0.0	0.5 0.0 0.0
19	132 kV 132 kV	MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR		0	33	0.5 0.0	0.0	0.5 0.0
19 Impo	132 kV 132 kV ert/Export of WR (	MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR)		0	33 0 0 WR-NR	0.5 0.0 0.0 61.0	0.0 0.0 0.0 215.5	0.5 0.0 0.0 -154.5
19 Impo	132 kV 132 kV rt/Export of WR ( HVDC	MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B	2	0 0	33 0 0 WR-NR	0.5 0.0 0.0 61.0	0.0 0.0 0.0 215.5	0.5 0.0 0.0 -154.5
19 Impo 1 2	132 kV 132 kV ert/Export of WR ( HVDC HVDC	MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR	2 - 2	0 0	33 0 0 WR-NR	0.5 0.0 0.0 61.0	0.0 0.0 0.0 215.5 13.6 55.5	0.5 0.0 0.0 -154.5 -13.6 -55.5
19 Impo 1 2 3	132 kV 132 kV rt/Export of WR ( HVDC HVDC 765 kV	MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR	2 2 2 2	0 0 0 0 0 509	33 0 0 WR-NR 816 2517 1588	0.5 0.0 0.0 61.0 0.0 0.0 0.0	0.0 0.0 0.0 215.5 13.6 55.5 12.9	0.5 0.0 0.0 -154.5 -13.6 -55.5 -12.0
19 Impo 1 2 3 4	132 kV 132 kV rt/Export of WR ( HVDC HVDC 765 kV 765 kV	MALANPUR-AURAIYA GWALIOR SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAJGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD	2 2 2 2 2 2	0 0 0 0 509 0	33 0 0 WR-NR 816 2517 1588 2001	0.5 0.0 0.0 61.0 0.0 0.0 0.0	0.0 0.0 0.0 215.5 13.6 55.5 12.9 32.2	0.5 0.0 0.0 -154.5 -13.6 -55.5 -12.0 -32.2
19 1 2 3 4 5	132 kV 132 kV rt/Export of WR ( HVDC HVDC 765 kV 765 kV 400 kV	MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI	2 2 2 2 2 2 2	0 0 0 0 509 0 640	33 0 0 WR-NR 816 2517 1588 2001	0.5 0.0 0.0 61.0 0.0 0.0 0.0 0.9 0.0	0.0 0.0 0.0 215.5 13.6 55.5 12.9 32.2 0.0	0.5 0.0 0.0 -154.5 -13.6 -55.5 -12.0 -32.2 8.2
19 1 2 3 4 5 6	132 kV 132 kV rt/Export of WR ( HVDC HVDC 765 kV 765 kV 400 kV 220 kV	MALANPUR-AURAIYA GWALJOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI	2 2 2 2 2 2 2 2	0 0 0 0 509 0 640	33 0 0 WR-NR 816 2517 1588 2001 0	0.5 0.0 0.0 61.0 0.0 0.0 0.0 0.9 0.0 8.2 0.0	0.0 0.0 0.0 215.5 13.6 55.5 12.9 32.2 0.0	0.5 0.0 0.0 -154.5 -13.6 -55.5 -12.0 -32.2 8.2 0.0
19 1 2 3 4 5 6 7	132 kV 132 kV rt/Export of WR ( HVDC HVDC 765 kV 765 kV 400 kV 220 kV	MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI	2 2 2 2 2 2 2 2 2	0 0 0 0 509 0 640 0	33 0 0 WR-NR 816 2517 1588 2001 0 0	0.5 0.0 0.0 61.0 0.0 0.0 0.0 0.2 0.0 8.2 0.0	0.0 0.0 0.0 215.5 13.6 55.5 12.9 32.2 0.0 0.0	0.5 0.0 0.0 -154.5 -13.6 -55.5 -12.0 -32.2 8.2 0.0
19 1 2 3 4 5 6	132 kV 132 kV rt/Export of WR ( HVDC HVDC 765 kV 765 kV 400 kV 220 kV	MALANPUR-AURAIYA GWALJOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI	2 2 2 2 2 2 2 2	0 0 0 0 509 0 640	33 0 0 WR-NR 816 2517 1588 2001 0 0	0.5 0.0 0.0 61.0 0.0 0.0 0.0 0.9 0.0 8.2 0.0 0.0	0.0 0.0 0.0 215.5 13.6 55.5 12.9 32.2 0.0 0.0	0.5 0.0 0.0 -154.5 -13.6 -55.5 -12.0 -32.2 8.2 0.0 0.0
19 1 2 3 4 5 6 7	132 kV 132 kV rt/Export of WR ( HVDC HVDC 765 kV 765 kV 400 kV 220 kV	MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	2 2 2 2 2 2 2 2 1 1	0 0 0 509 0 640 640 0	33 0 0 WR-NR 816 2517 1588 2001 0 0	0.5 0.0 0.0 61.0 0.0 0.0 0.0 0.2 0.0 8.2 0.0	0.0 0.0 0.0 215.5 13.6 55.5 12.9 32.2 0.0 0.0 0.0 114.3	0.5 0.0 0.0 -154.5 -13.6 -55.5 -12.0 -32.2 8.2 0.0 0.0 -103.6
19 1 2 3 4 5 6 7	132 kV 132 kV rt/Export of WR ( HVDC HVDC 765 kV 765 kV 400 kV 220 kV	MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	2 2 2 2 2 2 2 2 2	0 0 0 509 0 640 640 0	33 0 0 WR-NR 816 2517 1588 2001 0 0	0.5 0.0 0.0 61.0 0.0 0.0 0.0 0.9 0.0 8.2 0.0 0.0	0.0 0.0 0.0 215.5 13.6 55.5 12.9 0.0 0.0 0.0 114.3	0.5 0.0 0.0 -154.5 -13.6 -55.5 -12.0 -32.2 8.2 0.0 1.6 -103.6 +ve)/Export(-ve)
19 1 2 3 4 5 6 7	132 kV 132 kV rt/Export of WR ( HVDC HVDC 765 kV 400 kV 220 kV 220 kV	MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	2 2 2 2 2 2 2 1 1 1 TERNATIONAL EX	0 0 0 509 0 640 0 0 0 0 0 CHANGES	33 0 0 WR-NR 816 2517 1588 2001 0 0 0 94 WR-SR	0.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 215.5 13.6 55.5 12.9 0.0 0.0 0.0 114.3	0.5 0.0 0.0 -154.5 -13.6 -55.5 -12.0 -32.2 8.2 0.0 0.0 -103.6
19 1 2 3 4 5 6 7	132 kV 132 kV rt/Export of WR ( HVDC HVDC 765 kV 765 kV 400 kV 220 kV	MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	2 2 2 2 2 2 2 1 1 TERNATIONAL EXC	0 0 509 0 640 0 0 0 0	33 0 0 WR-NR 816 2517 1588 2001 0 0	0.5 0.0 0.0 61.0 0.0 0.0 0.0 0.9 0.0 8.2 0.0 0.0	0.0 0.0 0.0 215.5 13.6 55.5 12.9 0.0 0.0 0.0 114.3	0.5 0.0 0.0 -154.5 -13.6 -55.5 -12.0 -32.2 8.2 0.0 1.6 -103.6 +ve)/Export(-ve)
19 1 2 3 4 5 6 7	132 kV 132 kV rt/Export of WR ( HVDC HVDC 765 kV 400 kV 220 kV 220 kV	MALANPUR-AURAIYA GWALJOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR BHADRAWATI B/B RAJGAHP-TUCALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region	2 2 2 2 2 2 1 1 TERNATIONAL EXC	0 0 0 509 0 0 640 0 0 0 CHANGES	33 0 0 WR-NR 816 2517 1588 2001 0 0 0 94 WR-SR	0.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 215.5 13.6 55.5 12.9 32.2 0.0 0.0 0.0 114.3 Import( Avg (MW)	0.5 0.0 0.0 0.0 -154.5 -13.6 -55.5 -12.0 -32.2 -8.2 0.0 0.0 1.6 -103.6 +vel/Export(-ve) Energy Exchange
19 1 2 3 4 5 6 7	132 kV 132 kV rt/Export of WR ( HVDC HVDC 765 kV 400 kV 220 kV 220 kV	MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	2 2 2 2 2 2 2 1 1 TERNATIONAL EXCLUDE ALIPURDUAR RE	0 0 0 0 509 0 0 6440 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	33 0 0 WR-NR 816 2517 1588 2001 0 0 0 94 WR-SR	0.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 215.5 13.6 55.5 12.9 0.0 0.0 0.0 114.3	0.5 0.0 0.0 -154.5 -13.6 -55.5 -12.0 -32.2 8.2 0.0 0.0 1.6 -103.6 -vel/Export(-ve)
19 1 2 3 4 5 6 7	132 kV 132 kV rt/Export of WR ( HVDC HVDC 765 kV 400 kV 220 kV 220 kV	MALANPUR-AURAIYA GWALJOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR BHADRAWATI B/B RAJGAHP-TUCALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region	2 2 2 2 2 2 2 1 1 TERNATIONAL EX:  400KV MANGDECHE Le ALIPURDUAR RE MANGDECHE LE MANGDECHE	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	33 0 0 WR-NR 816 2517 1588 2001 0 0 0 94 WR-SR	0.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 215.5 13.6 55.5 12.9 32.2 0.0 0.0 0.0 114.3 Import( Avg (MW)	0.5 0.0 0.0 0.0 -154.5 -13.6 -55.5 -12.0 -32.2 -8.2 0.0 0.0 1.6 -103.6 +vel/Export(-ve) Energy Exchange
19 1 2 3 4 5 6 7	132 kV 132 kV rt/Export of WR ( HVDC HVDC 765 kV 400 kV 220 kV 220 kV	MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER	2 2 2 2 2 2 2 1 1 1 TERNATIONAL EX Line Line MANGDECHU HEP MANGDECHU HEP MANGDECHU HEPA MANGDECHU HEPA MANGDECHU HEPA	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	33 0 0 WR-NR 816 2517 1588 2001 0 0 94 WR-SR	0.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 215.5 13.6 55.5 12.9 0.0 0.0 0.0 0.0 114.3 Import(- Avg (MW)	0.5 0.0 0.0 0.0 -154.5 -13.6 -55.5 -12.0 -32.2 8.2 0.0 1.6 -103.6 +ve)/Export(-ve) Energy Exchange (MII) 6.4
19 1 2 3 4 5 6 7	132 kV 132 kV rt/Export of WR ( HVDC HVDC 765 kV 400 kV 220 kV 220 kV	MALANPUR-AURAIYA GWALJOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR BHADRAWATI B/B RAJGAHP-TUCALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region	2 2 2 2 2 2 1 1 1 TERNATIONAL EXC 400KV MANGDECHH Le. ALIPURDUHA HEP 400KV TASLA-BINAGU MALBASE BINAGU MALBASE BINAGU	0 0 0 509 0 640 0 0 CHANGES Name IU-ALIPURDUAR 1&2 CEIPT (from 92180MW) URI 1,2,4 (& 4000V PR) i.e. BINAGURI	33 0 0 WR-NR 816 2517 1588 2001 0 0 0 94 WR-SR	0.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 215.5 13.6 55.5 12.9 32.2 0.0 0.0 0.0 114.3 Import( Avg (MW)	0.5 0.0 0.0 0.0 -154.5 -13.6 -55.5 -12.0 -32.2 -8.2 0.0 0.0 1.6 -103.6 +vel/Export(-ve) Energy Exchange
19 1 2 3 4 5 6 7	132 kV 132 kV rt/Export of WR ( HVDC HVDC 765 kV 400 kV 220 kV 220 kV	MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER	2 2 2 2 2 2 2 1 1 TERNATIONAL EX Line 400kV MANGDECHH Le. ALIPURDUAR RE MANGDECHU HEP A MORV TALA BINAGI MALBASE - BINAGU MALBASE - BINAGU	0 0 0 509 0 6440 0 0 CHANGES Name CHANGES VAIDE (154 400 KV) (170 HZ 12.4 (4 400 KV) (170 HZ 16.7 (170 MV) (17	33 0 0 WR-NR 816 2517 1588 2001 0 0 94 WR-SR	0.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 215.5 13.6 55.5 12.9 0.0 0.0 0.0 0.0 114.3 Import(- Avg (MW)	0.5 0.0 0.0 0.0 -154.5 -13.6 -55.5 -12.0 -32.2 8.2 0.0 1.6 -103.6 +ve)/Export(-ve) Energy Exchange (MII) 6.4
19 1 2 3 4 5 6 7	132 kV 132 kV rt/Export of WR ( HVDC HVDC 765 kV 765 kV 220 kV 220 kV 220 kV	MALANPUR-AURAIYA GWALJOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAJGAHP-TUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI REGion ER	2 2 2 2 2 2 1 1 1 TERNATIONAL EXC 400KV MANGDECHH Le. ALIPURDUHUR HEP 4 400KV MANGDECHH Le. ALIPURDUHUR HEP A 400KV MANGDECHH LE. ALIPUR H A 400KV MANGDECHH A 400KV M	0 0 0 0 509 0 640 0 0 0 CHANGES Name IU-ALIPURDUAR 1&2 CEIPT (from \$\frac{1}{2}\$180MW) P\$180MW INT 1,2,3 (& 400bV RR) 1,6 BINAGURI AIEP [6*170MW) PARA 1&2 (& 220bV	33 0 0 WR-NR 816 2517 1588 2001 0 0 0 94 WR-SR Max (MW) 327	0.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 10.0 215.5 13.6 55.5 12.9 32.2 0.0 0.0 0.0 114.3 Import( Avg (MW) 265	0.5 0.0 0.0 0.0 -154.5 -13.6 -55.5 -12.0 -32.2 -8.2 0.0 0.0 1.6 -103.6 -ve)/Export(-ve) Energy Exchange (MII) 6.4 4.6
19 1 2 3 4 5 6 7	132 kV 132 kV rt/Export of WR ( HVDC HVDC 765 kV 400 kV 220 kV 220 kV	MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER	2 2 2 2 2 2 2 1 1 TERNATIONAL EXE Line 400KV MANGDECHH 10c. ALIPURDUAR RE MANGDECHH HAPA MORY TALL BINAGU MALBASE - BINAGU MALBASE - BINAGU MALBASE - BIRPAR MALBASE - BIRPAR	0 0 0 0 509 0 6440 0 0 0 CHANGES Name 19 180MW) 19 10 11 12 14 (8 400 kV RD) 1.6 BINAGURI AMEP (6 2 1 1 0 MW) PARA IA 2 (8 2 20 kV A) 1.6 BINARAR	33 0 0 WR-NR 816 2517 1588 2001 0 0 94 WR-SR	0.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 215.5 13.6 55.5 12.9 0.0 0.0 0.0 0.0 114.3 Import(- Avg (MW)	0.5 0.0 0.0 0.0 -154.5 -13.6 -55.5 -12.0 -32.2 8.2 0.0 1.6 -103.6 +ve)/Export(-ve) Energy Exchange (MII) 6.4
19 1 2 3 4 5 6 7	132 kV 132 kV rt/Export of WR ( HVDC HVDC 765 kV 765 kV 220 kV 220 kV 220 kV	MALANPUR-AURAIYA GWALJOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAJGAHP-TUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI REGion ER	2 2 2 2 2 2 1 1 1 TERNATIONAL EXC 400KV MANGDECHH Le. ALIPURDUHUR HEP 4 400KV MANGDECHH Le. ALIPURDUHUR HEP A 400KV MANGDECHH LE. ALIPUR H A 400KV MANGDECHH A 400KV M	0 0 0 0 509 0 6440 0 0 0 CHANGES Name 19 180MW) 19 10 11 12 14 (8 400 kV RD) 1.6 BINAGURI AMEP (6 2 1 1 0 MW) PARA IA 2 (8 2 20 kV A) 1.6 BINARAR	33 0 0 WR-NR 816 2517 1588 2001 0 0 0 94 WR-SR Max (MW) 327	0.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 10.0 215.5 13.6 55.5 12.9 32.2 0.0 0.0 0.0 114.3 Import( Avg (MW) 265	0.5 0.0 0.0 0.0 -154.5 -13.6 -55.5 -12.0 -32.2 -8.2 0.0 0.0 1.6 -103.6 -ve)/Export(-ve) Energy Exchange (MII) 6.4 4.6
19 1 2 3 4 5 6 7	132 kV 132 kV rt/Export of WR ( HVDC HVDC 765 kV 765 kV 220 kV 220 kV 220 kV	MALANPUR-AURAIYA GWALJOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAJGAHP-TUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI REGion ER	2 2 2 2 2 2 2 1 1 TERNATIONAL EXE Line 400KV MANGDECHH 10c. ALIPURDUAR RE MANGDECHH HAPA MORY TALL BINAGU MALBASE - BINAGU MALBASE - BINAGU MALBASE - BIRPAR MALBASE - BIRPAR	0 0 0 0 509 0 6440 0 0 0 6440 0 0 0 CHANGES Name UU-ALIPURDUAR 1&2 CEEPT (from 12,34(& 400kV RD) i.e. BINAGURI AM EP 64°10MW) PARA 1&2 (& 220kV A) i.e. BIRNAGURI AM EP 64°10MW NA ILE HOP 484MW)	33 0 0 WR-NR 816 2517 1588 2001 0 0 0 94 WR-SR Max (MW) 327	0.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 10.0 215.5 13.6 55.5 12.9 32.2 0.0 0.0 0.0 114.3 Import( Avg (MW) 265	0.5 0.0 0.0 0.0 -154.5 -13.6 -55.5 -12.0 -32.2 -8.2 0.0 0.0 1.6 -103.6 -ve)/Export(-ve) Energy Exchange (MII) 6.4 4.6
19 1 2 3 4 5 6 7	132 kV 132 kV rt/Export of WR ( HVDC HVDC 765 kV 765 kV 220 kV 220 kV 220 kV	MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI XELDEM-AMBEWADI ER  ER  ER	2 2 2 2 2 2 2 1 1 TERNATIONAL EX Line 400kV MANGDECHH Le. ALIPURDUAR HE MANGDECHU HEP' 400kV TALSHANAGI MALBASE - BINAGU MALBASE - BINAGU MALBASE - BIRPAR RECEIPT (from TALL	0 0 0 0 509 0 6440 0 0 0 6440 0 0 0 CHANGES Name UU-ALIPURDUAR 1&2 CEEPT (from 12,34(& 400kV RD) i.e. BINAGURI AM EP 64°10MW) PARA 1&2 (& 220kV A) i.e. BIRNAGURI AM EP 64°10MW NA ILE HOP 484MW)	33 0 0 WR-NR 816 2517 1588 2001 0 0 0 WR-SR Max (MW) 327 250	0.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 215.5 13.6 55.5 12.9 0.0 0.0 0.0 114.3 Import( Avg (MW) 265	0.5 0.0 0.0 -154.5 -13.6 -55.5 -12.0 32.2 8.2 0.0 0.0 -103.6 -103.6 +ve/Export(-ve) Energy Exchange (MII) 6.4 4.6
19 1 2 3 4 5 6 7	132 kV 132 kV rt/Export of WR ( HVDC HVDC 765 kV 765 kV 220 kV 220 kV 220 kV	MALANPUR-AURAIYA GWALJOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER ER	2 2 2 2 2 2 1 1 1 TERNATIONAL EXC 400KV MANGDECHH Le. ALIPURDUAR RE MANGBECHH HEP 4 400KV TALA-BINAGU RECEIPT (from TAL) RECEIPT (from TAL) 132KV-GEYLEGPHU	0 0 0 0 509 0 640 0 0 0 0 0 0 0 CHANGES Name U-ALIPURDUAR 182 CEIPT (from 14 180MW) 14 180MW) 16 18 18 18 18 18 18 18 18 18 18 18 18 18	33 0 0 WR-NR 816 2517 1588 2001 0 0 0 94 WR-SR Max (MW) 327 250	0.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 10.0 215.5 13.6 55.5 12.9 32.2 0.0 0.0 0.0 114.3 Import( Avg (MW)  265	0.5 0.0 0.0 0.0 -154.5 -13.6 -55.5 -12.0 -32.2 -32.2 -32.2 -0.0 0.0 -1.6 -103.6 +vel/Export(-ve) Energy Exchange (MII) -6.4 -4.6 -0.0 -0.3
19 1 2 3 4 5 6 7	132 kV 132 kV rt/Export of WR ( HVDC HVDC 765 kV 765 kV 220 kV 220 kV 220 kV	MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI XELDEM-AMBEWADI ER  ER  ER	2 2 2 2 2 2 2 1 1 TERNATIONAL EX Line 400kV MANGDECHH Le. ALIPURDUAR HE MANGDECHU HEP' 400kV TALSHANAGI MALBASE - BINAGU MALBASE - BINAGU MALBASE - BIRPAR RECEIPT (from TALL	0 0 0 0 509 0 640 0 0 0 0 0 0 0 CHANGES Name U-ALIPURDUAR 182 CEIPT (from 14 180MW) 14 180MW) 16 18 18 18 18 18 18 18 18 18 18 18 18 18	33 0 0 WR-NR 816 2517 1588 2001 0 0 0 WR-SR Max (MW) 327 250	0.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 215.5 13.6 55.5 12.9 0.0 0.0 0.0 114.3 Import( Avg (MW) 265	0.5 0.0 0.0 -154.5 -13.6 -55.5 -12.0 32.2 8.2 0.0 0.0 -103.6 -103.6 +ve/Export(-ve) Energy Exchange (MII) 6.4 4.6
19 1 2 3 4 5 6 7	132 kV 132 kV rt/Export of WR ( HVDC HVDC 765 kV 765 kV 220 kV 220 kV 220 kV	MALANPUR-AURAIYA GWALJOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER ER	2 2 2 2 2 2 1 1 1 TERNATIONAL EXC 400KV MANGDECHH Le. ALIPURDUAR RE MANGBECHH HEP 4 400KV TALA-BINAGU RECEIPT (from TAL) RECEIPT (from TAL) 132KV-GEYLEGPHU	0 0 0 0 509 0 640 0 0 0 0 0 0 0 CHANGES Name U-ALIPURDUAR 182 CEIPT (from 14 180MW) 14 180MW) 16 18 18 18 18 18 18 18 18 18 18 18 18 18	33 0 0 WR-NR 816 2517 1588 2001 0 0 0 94 WR-SR Max (MW) 327 250	0.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 10.0 215.5 13.6 55.5 12.9 32.2 0.0 0.0 0.0 114.3 Import( Avg (MW)  265	0.5 0.0 0.0 0.0 -154.5 -13.6 -55.5 -12.0 -32.2 -32.2 -32.2 -0.0 0.0 -1.6 -103.6 +vel/Export(-ve) Energy Exchange (MII) -6.4 -4.6 -0.0 -0.3
19 1 2 3 4 5 6 7	132 kV 132 kV rt/Export of WR ( HVDC HVDC 765 kV 765 kV 220 kV 220 kV 220 kV	MALANPUR-AURAIYA GWALIOR SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAJGAHP-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER ER NER	2 2 2 2 2 2 1 1 1 TERNATIONAL EXC 400KV MANGDECHH Le. ALIPURDUAR RE MANGBECHH HEP 4 400KV TALA-BINAGU RECEIPT (from TAL) RECEIPT (from TAL) 132KV-GEYLEGPHU	0 0 0 509 0 6440 0 0 0 640 0 0 0 0 0 0 CHANGES Name U-ALIPURDUAR 182 CEIPT (from 18112,4(8 400RV IRI) i.e. BINAGURI A HEP (6*120MW) PARA 182 (& 220RV A) i.e. BIRPAGE KHA HEP 4*84MW) 1- SALAKATI	33 0 0 WR-NR 816 2517 1588 2001 0 0 0 WR-SR Max (MW) 327 250 82	0.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 215.5 13.6 55.5 12.9 32.2 0.0 0.0 0.0 114.3 Import(  Avg (MW)  265  192  1	0.5 0.0 0.0 0.0 154.5 -13.6 -55.5 -12.0 32.2 8.2 0.0 0.0 1.6 -103.6 -103.6 +ve)/Export(-ve) Energy Exchange (MII) 6.4 4.6 0.0 0.3
19 1 2 3 4 5 6 7	132 kV 132 kV rt/Export of WR ( HVDC HVDC 765 kV 765 kV 220 kV 220 kV 220 kV	MALANPUR-AURAIYA GWALJOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER ER	2 2 2 2 2 2 1 1 1 TERNATIONAL EX Line 400kV MANGDECHH Le. ALIPURDUAR RE MANGBECHH HEP 4 400kV TĀLA-BINĀGU MALBASE - BIRPAR MA	0 0 0 0 0 0 0 0 509 0 649 0 0 0 0 CHANGES Name U-ALIPURDUAR 182 CCEIPT (from 12-34 4000kV) RI 1:2-4 48 4000kV RI 1:2-4 182 (8 220kV) A) LE BIRNAGURI MEP (6-170MW) PARA 1 82 (8 220kV) A) LE BIRNAGURI MEP (6-170MW) - SALAKATI	33 0 0 WR-NR 816 2517 1588 2001 0 0 0 94 WR-SR Max (MW) 327 250	0.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 10.0 215.5 13.6 55.5 12.9 32.2 0.0 0.0 0.0 114.3 Import( Avg (MW)  265	0.5 0.0 0.0 0.0 -154.5 -13.6 -55.5 -12.0 -32.2 -32.2 -32.2 -0.0 0.0 -1.6 -103.6 +vel/Export(-ve) Energy Exchange (MII) -6.4 -4.6 -0.0 -0.3
19 1 2 3 4 5 6 7	132 kV 132 kV rt/Export of WR ( HVDC HVDC 765 kV 765 kV 220 kV 220 kV 220 kV	MALANPUR-AURAIYA GWALIOR SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAJGAHP-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER ER NER	2 2 2 2 2 2 2 1 1 1 TERNATIONAL EX 2 1 1 1 TERNATIONAL EX 400KV MANGDECHE Le. ALIPURDUAR HEP 400KV MANGDECHE LE. ALIPURDUAR HEP 400KV MALBASE HINAGU MALBASE - BIRPAR MALBASE -	0 0 0 0 0 509 0 640 0 0 0 6440 0 0 0 CHANGES Name 11-ALPURDUAR 18-2 CEIPT (from 19-180AW) PARA 18-2 (X 220AV) PARA 18-2 (X 220AV) 1- SALAKATI iii  NH) - (PG)	33 0 0 WR-NR 816 2517 1588 2001 0 0 0 WR-SR Max (MW) 327 250 82	0.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 215.5 13.6 55.5 12.9 32.2 0.0 0.0 0.0 114.3 Import(  Avg (MW)  265  192  1	0.5 0.0 0.0 0.0 -154.5 -13.6 -55.5 -12.0 -32.2 -8.2 -0.0 -0.0 -103.6 -103.6 -103.6 -40.6 -403.6 -403.6 -403.6 -403.6 -403.6 -403.6 -403.6 -403.6 -403.6 -403.6 -403.6 -403.6 -403.6 -403.6 -403.6 -403.6 -403.6 -403.6
19 1 2 3 4 5 6 7	132 kV 132 kV rt/Export of WR ( HVDC HVDC 765 kV 765 kV 220 kV 220 kV 220 kV	MALANPUR-AURAIYA GWALJOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI  IN Region  ER  ER  ER  NER  NER	2 2 2 2 2 2 2 1 1 1 TERNATIONAL EX Line 400kV MANGDECHH 1e. ALIPURDUAR RE 400kV TĀLA-BINĀG MALBASE - BIRĀR MAL	0 0 0 0 0 509 0 640 0 0 0 6440 0 0 0 CHANGES Name 11-ALPURDUAR 18-2 CEIPT (from 19-180AW) PARA 18-2 (X 220AV) PARA 18-2 (X 220AV) 1- SALAKATI iii  NH) - (PG)	333 0 0 WR-NR 816 2517 1588 2001 0 0 94 WR-SR  Max (MW) 327 250 82 21 -35	0.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 215.5 13.6 55.5 12.9 32.2 0.0 0.0 0.0 114.3 Import( Avg (MW)  265  192  1 12 -25	0.5 0.0 0.0 0.0 -154.5 -13.6 -55.5 -12.0 -32.2 8.2 0.0 0.0 -103.6 -103.6 +ve)/Export(-ve) Energy Exchange (MII) 6.4 4.6 0.0 0.3
19 1 2 3 4 5 6 7	132 kV 132 kV rt/Export of WR ( HVDC HVDC 765 kV 765 kV 220 kV 220 kV 220 kV	MALANPUR-AURAIYA GWALIOR SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAJGAHP-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER ER NER	2 2 2 2 2 2 2 1 1 1 TERNATIONAL EX 2 1 1 1 TERNATIONAL EX 400KV MANGDECHE Le. ALIPURDUAR HEP 400KV MANGDECHE LE. ALIPURDUAR HEP 400KV MALBASE HINAGU MALBASE - BIRPAR MALBASE -	0 0 0 0 0 509 0 640 0 0 0 6440 0 0 0 CHANGES Name 11-ALPURDUAR 18-2 CEIPT (from 19-180AW) PARA 18-2 (X 220AV) PARA 18-2 (X 220AV) 1- SALAKATI iii  NH) - (PG)	33 0 0 WR-NR 816 2517 1588 2001 0 0 0 WR-SR Max (MW) 327 250 82	0.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 215.5 13.6 55.5 12.9 32.2 0.0 0.0 0.0 114.3 Import(  Avg (MW)  265  192  1	0.5 0.0 0.0 0.0 -154.5 -13.6 -55.5 -12.0 -32.2 -8.2 -0.0 -0.0 -103.6 -103.6 -103.6 -40.6 -403.6 -403.6 -403.6 -403.6 -403.6 -403.6 -403.6 -403.6 -403.6 -403.6 -403.6 -403.6 -403.6 -403.6 -403.6 -403.6 -403.6 -403.6
19 1 2 3 4 5 6 7	132 kV 132 kV rt/Export of WR ( HVDC HVDC 765 kV 765 kV 220 kV 220 kV 220 kV	MALANPUR-AURAIYA GWALJOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI  IN Region  ER  ER  ER  NER  NER	2 2 2 2 2 2 2 1 1 1 TERNATIONAL EX Line 400kV MANGDECHH 1e. ALIPURDUAR RE 400kV TĀLA-BINĀG MALBASE - BIRĀR MAL	0 0 0 0 0 509 0 640 0 0 0 6440 0 0 0 CHANGES Name 11-ALPURDUAR 18-2 CEIPT (from 19-180AW) PARA 18-2 (X 220AV) PARA 18-2 (X 220AV) 1- SALAKATI iii  NH) - (PG)	333 0 0 WR-NR 816 2517 1588 2001 0 0 94 WR-SR  Max (MW) 327 250 82 21 -35	0.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 215.5 13.6 55.5 12.9 32.2 0.0 0.0 0.0 114.3 Import( Avg (MW)  265  192  1 12 -25	0.5 0.0 0.0 0.0 -154.5 -13.6 -55.5 -12.0 -32.2 8.2 0.0 0.0 -103.6 -103.6 +ve)/Export(-ve) Energy Exchange (MII) 6.4 4.6 0.0 0.3
19 1 2 3 4 5 6 7	132 kV 132 kV rt/Export of WR ( HVDC HVDC 765 kV 765 kV 220 kV 220 kV 220 kV State	MALANPUR-AURAIVA GWALIOR SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAJGAHAP-UGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI  IN Region  ER  ER  NER  NER  NER	2 2 2 2 2 2 2 1 1 1 TERNATIONAL EX 2 2 1 1 1 1 TERNATIONAL EX 1 1 1 TORNATIONAL EX 1 1 1 TORNATIONAL EX 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 0 0 509 0 6440 0 0 6440 0 0 0 CHANGES Name 19 180MW) 19 180MW) 19 180MW) 1811,2-4 (8-400kV   1811,2-4	33 0 0 WR-NR 816 2517 1588 2001 0 0 0 WR-SR  Max (MW) 327 250 82 21 -35	0.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 215.5 13.6 55.5 12.9 0.0 0.0 0.0 114.3 Import(  Avg (MW)  265  122 1 126 127 127 128 129 129 129 120 120 120 120 120 120 120 120 120 120	0.5 0.0 0.0 0.0 -154.5 -13.6 -55.5 -112.0 -32.2 -8.2 -0.0 0.1 -103.6 -103.6 -103.6 -40.6 -4.6 -4.6 -4.6 -4.6 -4.6 -4.6 -4.6 -4
19 1 2 3 4 5 6 7	132 kV 132 kV rt/Export of WR ( HVDC HVDC 765 kV 765 kV 220 kV 220 kV 220 kV	MALANPUR-AURAIYA GWALJOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI  IN Region  ER  ER  ER  NER  NER	2 2 2 2 2 2 2 1 1 1 TERNATIONAL EX Line 400kV MANGDECHH Le ALIPURDUAR RE MANGBECHH LE ALIPURDUAR RE LEDT (from TALL) 220kV CHIKHA-BIR MALBASE - BIRPAR MALBASE	0 0 0 0 509 0 6440 0 0 6440 0 0 0 CHANGES Name 19 180MW) 19 180MW) 19 180MW) 1811,2-4 (8-400kV   1811,2-4	333 0 0 WR-NR 816 2517 1588 2001 0 0 94 WR-SR  Max (MW) 327 250 82 21 -35	0.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 215.5 13.6 55.5 12.9 32.2 0.0 0.0 0.0 114.3 Import( Avg (MW)  265  192  1 12 -25	0.5 0.0 0.0 0.0 -154.5 -13.6 -55.5 -12.0 -12.0 -13.6 -10.6 -10.6 -10.6 -10.6 -4.6 -4.6 -4.6 -4.6 -6.6 -6.6 -1.5
19 1 2 3 4 5 6 7	132 kV 132 kV rt/Export of WR ( HVDC HVDC 765 kV 765 kV 220 kV 220 kV 220 kV State	MALANPUR-AURAIVA GWALIOR SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAJGAHAP-UGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI  IN Region  ER  ER  NER  NER  NER	2 2 2 2 2 2 2 1 1 1 TERNATIONAL EX 2 2 1 1 1 1 TERNATIONAL EX 1 1 1 TORNATIONAL EX 1 1 1 TORNATIONAL EX 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 0 0 509 0 6440 0 0 6440 0 0 0 CHANGES Name 19 180MW) 19 180MW) 19 180MW) 1811,2-4 (8-400kV   1811,2-4	33 0 0 WR-NR 816 2517 1588 2001 0 0 0 WR-SR  Max (MW) 327 250 82 21 -35	0.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 215.5 13.6 55.5 12.9 0.0 0.0 0.0 114.3 Import(  Avg (MW)  265  122 1 126 127 127 128 129 129 129 120 120 120 120 120 120 120 120 120 120	0.5 0.0 0.0 0.0 -154.5 -13.6 -55.5 -112.0 -32.2 -8.2 -0.0 0.1 -103.6 -103.6 -103.6 -40.6 -4.6 -4.6 -4.6 -4.6 -4.6 -4.6 -4.6 -4
19 1 2 3 4 5 6 7	132 kV 132 kV rt/Export of WR ( HVDC HVDC 765 kV 765 kV 220 kV 220 kV 220 kV State	MALANPUR-AURAIVA GWALJOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI  IN Region ER ER  ER  NER  NER  NER  NER  NER  ER	2 2 2 2 2 2 1 1 1 TERNATIONAL EXC 2 1 1 1 TERNATIONAL EXC 400KV MANGDECHH Le. ALIPURDUAR RE He. ALIPURDUAR RE LEONY TALA-BINAGU RECEIPT (from TALL 220KV CHUKHA-BIR MALBASE - BIRAGU RECEIPT (from CHU 132KV-GEYLEGPHU 132KV GEYLEGPHU 132KV-MUZAFARP DC 132KV-MUZAFARP DC 132KV-BIHAR - NEP	0 0 0 0 0 0 0 0 0 509 0 640 0 0 0 0 0 0 0 CHANGES Name 10:ALIPURDUAR 182 18180MW 10:R1 12.4 (x 400K) 10:R1	333 30 0 0 WR-NR 816 2517 1588 2001 0 0 94 WR-SR  Max (MW) 327 250 82 21 -35 -74 -318	0.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 215.5 13.6 55.5 12.9 0.0 0.0 0.0 114.3 Import(  Avg (MW)  265  122 1 126 127 127 128 129 129 129 120 120 120 120 120 120 120 120 120 120	0.5 0.0 0.0 0.0 0.0 -154.5 -13.6 -55.5 -12.0 -12.0 -13.2 -32.2 -32.2 -32.2 -0.0 0.0 -103.6 -103.6 -103.6 -4.6 -4.6 -4.6 -4.6 -4.6 -4.6 -4.6 -4
19 1 2 3 4 5 6 7	132 kV 132 kV rt/Export of WR ( HVDC HVDC 765 kV 765 kV 220 kV 220 kV 220 kV State	MALANPUR-AURAIVA GWALIOR SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAJGAHAP-UGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI  IN Region  ER  ER  NER  NER  NER	2 2 2 2 2 2 2 1 1 1 TERNATIONAL EX 2 2 1 1 1 1 TERNATIONAL EX 1 1 1 TORNATIONAL EX 1 1 1 TORNATIONAL EX 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 0 0 0 0 0 0 0 509 0 640 0 0 0 0 0 0 0 CHANGES Name 10:ALIPURDUAR 182 18180MW 10:R1 12.4 (x 400K) 10:R1	33 0 0 WR-NR 816 2517 1588 2001 0 0 0 WR-SR  Max (MW) 327 250 82 21 -35	0.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 215.5 13.6 55.5 12.9 32.2 0.0 0.0 0.0 114.3 Import Avg (MW)  265  192  1 12 -25 -62 -291	0.5 0.0 0.0 0.0 -154.5 -13.6 -55.5 -12.0 -32.2 8.2 0.0 0.0 -103.6 -103.6 -103.6 -40.7 -40.6 -40.7 -40.6 -40.7 -40.6 -40.7 -40.6 -40.7 -40.
Impo 1 2 3 4 5 6 6 7 8	132 kV 132 kV rt/Export of WR ( HVDC HVDC 765 kV 765 kV 220 kV 220 kV 220 kV  State	MALANPUR-AURAIVA GWALJOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI  IN Region ER ER  ER  NER  NER  NER  NER  NER  ER	2 2 2 2 2 2 1 1 1 TERNATIONAL EX 2 1 1 1 TERNATIONAL EX 1 400kV MANGDECHE Le. ALIPURDUUR HEP 4 400kV MANGDECHE Le. ALIPURDUUR HEP 4 400kV TALE-BINAGU RECEIPT (from TALL 220kV CHIKHA-BIR MALBASE - BIRPAR MALBASE	0 0 0 509 0 6440 0 0 6440 0 0 0 0 0 0 0 0 0 0 0 0	333 30 0 0 WR-NR 816 2517 1588 2001 0 0 94 WR-SR  Max (MW) 327 250 82 21 -35 -74 -318	0.5 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 13.6 55.5 12.9 32.2 0.0 0.0 10.0 114.3 Import: Avg (MW) 265  129  1 12 -25 -62 -291 -131 -884	0.5 0.0 0.0 0.0 0.0 0.154.5 -13.6 -55.5 -12.0 -12.0 -12.0 -10.3 -103.6 -103.6 -103.6 -103.6 -103.6 -103.6 -105.6 -
Impo 1 2 3 4 5 6 6 7 8	132 kV 132 kV rt/Export of WR ( HVDC HVDC 765 kV 765 kV 220 kV 220 kV 220 kV State	MALANPUR-AURAIVA GWALJOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI  IN Region ER ER  ER  NER  NER  NER  NER  NER  ER	2 2 2 2 2 2 2 1 1 1 TERNATIONAL EX 2 1 1 1 TERNATIONAL EX 1 1  TERNATIONAL EX 1 1  TERNATIONAL EX 1 1  TERNATIONAL EX 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 0 0 0 0 0 0 0 0 509 0 649 0 0 0 0 CHANGES Name 12-804 12-84-800 12-80-804 12-80-80	333 30 0 0 WR-NR 816 2517 1588 2001 0 0 94 WR-SR  Max (MW) 327 250 82 21 -35 -74 -318	0.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 215.5 13.6 55.5 12.9 32.2 0.0 0.0 0.0 114.3 Import Avg (MW)  265  192  1 12 -25 -62 -291	0.5 0.0 0.0 0.0 0.0 0.154.5 -13.6 -55.5 -12.0 -12.0 -12.0 -10.3 -103.6 -103.6 -103.6 -103.6 -103.6 -103.6 -105.6 -
Impo 1 2 3 4 5 6 6 7 8	132 kV 132 kV rt/Export of WR ( HVDC HVDC 765 kV 765 kV 220 kV 220 kV 220 kV  State	MALANPUR-AURAIVA GWALIOR SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-MBEWADI XELDEM-AMBEWADI IN Region ER ER  ER  NER  NER  NER  NER  NER  NE	2 2 2 2 2 2 1 1 1 TERNATIONAL EX 2 1 1 1 TERNATIONAL EX 1 400kV MANGDECHE Le. ALIPURDUUR HEP 4 400kV MANGDECHE Le. ALIPURDUUR HEP 4 400kV TALE-BINAGU RECEIPT (from TALL 220kV CHIKHA-BIR MALBASE - BIRPAR MALBASE	0 0 0 0 0 0 0 0 0 0 509 0 649 0 0 0 0 CHANGES Name 12-804 12-84-800 12-80-804 12-80-80	33 30 0 WR-NR 816 2517 1588 2001 0 0 94 WR-SR  Max (MW) 327 250 82 21 -35 -74 -318 -214	0.5 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 13.6 55.5 12.9 32.2 0.0 0.0 10.0 114.3 Import: Avg (MW) 265  129  1 12 -25 -62 -291 -131 -884	0.5 0.0 0.0 0.0 -154.5 -13.6 -55.5 -12.0 -32.2 8.2 0.0 0.0 -103.6 -103.6 -103.6 -40.6 -40.6 -40.6 -40.6 -40.6 -4.6 -4.6 -4.6 -4.6 -4.6 -4.6 -4.6 -4
Impo 1 2 3 4 5 6 6 7 8	132 kV 132 kV rt/Export of WR ( HVDC HVDC 765 kV 765 kV 220 kV 220 kV 220 kV  State	MALANPUR-AURAIYA GWALJOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI  TREE  ER  ER  NER  NER  NER  NER  ER  ER	2 2 2 2 2 2 2 1 1 1 TERNATIONAL EX 2 1 1 1 TERNATIONAL EX 1 1 1 1 TERNATIONAL EX 1 1 1 1 TERNATIONAL EX 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 0 0 0 0 509 0 649 0 0 0 0 0 CHANGES Name 1 SONY 1 SANY 1 SALAKATI  ia NH) - ((PG) UUR - DHALKEBAR  AL  C(BANGLADESH) NAGAR - DESH)-1	333 30 0 0 WR-NR 816 2517 1588 2001 0 0 94 WR-SR  Max (MW) 327 250 82 21 -35 -74 -318 -214 -942	0.5 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 10.0 215.5 13.6 55.5 12.9 32.2 0.0 0.0 0.0 114.3 Import Avg (MW)  265  192  1 1 2-25 -62 -291 -131 -884	0.5 0.0 0.0 0.0 -154.5 -13.6 -55.5 -12.0 -32.2 -8.2 0.0 0.0 -1.6 -103.6 -+vel/Export(-ve) Energy Exchange (MU) 6.4 4.6 0.0 0.3 -0.6 -1.5 -7.0 -3.2 -21.2
Impo 1 2 3 4 5 6 6 7 8	132 kV 132 kV rt/Export of WR ( HVDC HVDC 765 kV 765 kV 220 kV 220 kV 220 kV  State	MALANPUR-AURAIVA GWALIOR SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-MBEWADI XELDEM-AMBEWADI IN Region ER ER  ER  NER  NER  NER  NER  NER  NE	2 2 2 2 2 2 2 1 1 1 TERNATIONAL EX 2 1 1 1 TERNATIONAL EX 1 1  TERNATIONAL EX 1 1  TERNATIONAL EX 1 1  TERNATIONAL EX 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 0 509 0 6440 0 0 6440 0 0 0 0 0 0 0 0 0 0 0 0	33 30 0 WR-NR 816 2517 1588 2001 0 0 94 WR-SR  Max (MW) 327 250 82 21 -35 -74 -318 -214	0.5 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 13.6 55.5 12.9 32.2 0.0 0.0 10.0 114.3 Import: Avg (MW) 265  129  1 12 -25 -62 -291 -131 -884	0.5 0.0 0.0 0.0 -154.5 -13.6 -55.5 -12.0 -32.2 -8.2 0.0 0.0 -16.4 -103.6