

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

To,

दिनांक: 3rd Dec 2021

- 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 02.12.2021.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 2-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 2nd December 2021, is available at the NLDC website.

धन्यवाद,

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



Report for previous day

Date of Reporting: 03-Dec-2021

	NR	WR	SR	ER	NER	TOTAL
Demand Met during Evening Peak hrs(MW) (at 19:00 hrs; from RLDCs)	46776	49886	38666	17849	2521	155698
Peak Shortage (MW)	538	0	0	316	0	854
Energy Met (MU)	959	1103	808	366	44	3281
Hydro Gen (MU)	112	31	109	45	12	308
Wind Gen (MU)	20	72	30		-	122
Solar Gen (MU)*	40.06	16.69	73.79	4.87	0.29	136
Energy Shortage (MU)	9.71	0.00	0.00	4.05	0.00	13.76
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	48227	53316	39226	18586	2630	158695
Time Of Maximum Demand Met (From NLDC SCADA)	11:20	10:50	18:31	17:51	17:23	18:21

Region	FVI	< 49.7	49.7 - 49.8	49.8 - 49.9	< 49.9	49.9 - 50.05	> 50.05
All India	0.034	0.00	0.03	5.10	5.14	75.19	19.67

		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)	` ′		(MU
	Punjab	6014	0	122.1	58.2	0.2	297	4.00
	Haryana	6652	0	125.8	85.1	0.2	172	0.00
	Rajasthan	12969	110	244.8	67.6	0.2	542	1.06
	Delhi	3673	0	63.3	51.9	-1.1	125	0.00
NR	UP	15344	0	274.5	117.8	-1.7	553	0.00
	Uttarakhand	1961	0	36.6	26.1	0.9	147	0.00
	HP	1728	0	32.6	23.9	-0.1	145	0.00
	J&K(UT) & Ladakh(UT)	2723	300	55.9	51.7	-0.9	122	4.65
	Chandigarh	203	0	3.4	3.6	-0.3	36	0.00
	Chhattisgarh	3470	0	73.0	28.3	-0.7	243	0.00
	Gujarat	15580	0	313.6	188.2	-4.4	401	0.00
	MP	11967	0	241.7	148.8	-2.8	571	0.00
WR	Maharashtra	20181	0	421.3	121.0	-2.9	885	0.00
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Goa	579	0	11.9	11.5	-0.2	95	0.00
	DD	314	0	7.0	6.8	0.2	58	0.00
	DNH	810	0	18.5	18.4	0.1	53	0.00
	AMNSIL	745	0	16.0	7.8	0.0	303	0.00
	Andhra Pradesh	7247	0	147.8	53.9	-0.1	433	0.00
	Telangana	8056	0	158.4	57.3	-0.3	557	0.00
SR	Karnataka	8234	0	155.3	35.0	0.6	783	0.00
	Kerala	3685	0	73.8	37.2	-0.8	172	0.00
	Tamil Nadu	13337	0	265.8	154.1	0.5	943	0.00
	Puducherry	342	0	6.7	7.2	-0.5	19	0.00
	Bihar	4287	0	75.0	60.7	2.3	256	0.00
	DVC	3022	0	62.0	-38.6	-3.3	192	1.52
	Jharkhand	1366	0	27.3	19.1	-0.8	161	2.53
ER	Odisha	4448	0	85.4	22.3	-0.5	485	0.00
	West Bengal	6472	0	114.9	-6.2	-0.2	256	0.00
	Sikkim	104	0	1.7	1.0	0.7	75	0.00
	Arunachal Pradesh	136	0	2.3	2.1	0.1	26	0.00
	Assam	1502	0	24.6	17.9	-0.1	106	0.00
	Manipur	229	0	3.0	3.0	0.0	24	0.00
NER	Meghalaya	386	Ö	6.9	5.3	0.3	54	0.00
	Mizoram	122	Ö	1.8	1.5	-0.2	19	0.00
	Nagaland	142	Ö	2.3	2.2	0.0	20	0.00
	Trinura	220	ů	3.6	1.6	-0.3	17	0.00

	Bhutan	Nepal	Bangladesh
Actual (MU)	10.1	1.2	-16.9
Day Peak (MW)	662.0	70.0	-820.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	223.8	-153.9	95.3	-160.4	-4.8	0.0
Actual(MU)	235.4	-179.9	99.9	-155.2	-4.4	-4.1
O/D/U/D(MU)	11.6	-26.0	4.6	5.3	0.5	-4.1

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	8186	14780	13002	4440	384	40791	46
State Sector	14680	19934	11021	2658	11	48303	54
Total	22866	34713	24023	7098	395	89094	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	498	1128	374	491	12	2503	74
Lignite	22	12	35	0	0	69	2
Hydro	112	31	109	45	12	308	9
Nuclear	23	33	69	0	0	126	4
Gas, Naptha & Diesel	15	9	9	0	29	63	2
RES (Wind, Solar, Biomass & Others)	80	89	129	5	0	302	9
Total	751	1302	724	540	53	3370	100
Share of RES in total generation (%)	10.69	6.81	17.75	0.90	0.54	8.98	
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	28.68	11.72	42.33	9.17	22.56	21.84	

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.021
Based 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: 03-Dec-2021

							Date of Reporting:	03-Dec-2021
SI	Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
100	t/Export of ER (With NR)						
1	HVDC	ALIPURDUAR-AGRA	2	0	502	0.0	12.2	-12.2
3		PUSAULI B/B GAYA-VARANASI	2	0	251 795	0.0	6.3 9.4	-6.3 -9.4
4		SASARAM-FATEHPUR	1	0	572	0.0	8.8	-8.8
5	765 kV	GAYA-BALIA	1	0	483	0.0	7.6	-7.6
7		PUSAULI-VARANASI	1	0	176	0.0	3.4 2.7	-3.4
8		PUSAULI -ALLAHABAD MUZAFFARPUR-GORAKHPUR	1 2	0	155 662	0.0	9.9	-2.7 -9.9
9		PATNA-BALIA	4	Ŏ	772	0.0	10.5	-10.5
10	400 kV	BIHARSHARIFF-BALIA	2	0	385	0.0	4.4	-4.4
11		MOTIHARI-GORAKHPUR	2	0	338 332	0.0	5.3 4.2	-5.3
12		BIHARSHARIFF-VARANASI PUSAULI-SAHUPURI	1	0	332 109	0.0	1.1	-4.2 -1.1
14		SONE NAGAR-RIHAND	î	Ŏ	0	0.0	0.0	0.0
15	132 kV	GARWAH-RIHAND	1	25	0	0.3	0.0	0.3
16		KARMANASA-SAHUPURI	1	0	0	0.0	0.0	0.0
17	132 kV	KARMANASA-CHANDAULI		0	0 ER-NR	0.0	0.0 85.8	-85.4
Import	t/Export of ER (With WR)				0.0	CEIO	-02.4
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	1686	0	15.2	0.0	15.2
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	137	747	0.0	5.4	-5.4
3	765 kV	JHARSUGUDA-DURG	2	175	337	0.0	0.8	-0.8
4	400 kV	JHARSUGUDA-RAIGARH	4	232	314	0.0	1.5	-1.5
5		RANCHI-SIPAT	2	101	246	0.0	1.7	-1.7
6		BUDHIPADAR-RAIGARH	1	30	95	0.0	1.1	-1.1
7		BUDHIPADAR-KORBA	2	106	22	0.9	0.0	0.9
				-00	ER-WR	16.1	10.4	5.8
	t/Export of ER (With SR)						
1		JEYPORE-GAZUWAKA B/B	2	0	739	0.0	8.8	-8.8
3		TALCHER-KOLAR BIPOLE ANGUL-SPIKAKULAM	2 2	0	1990 3159	0.0	45.1 49.4	-45.1 -49.4
4		ANGUL-SRIKAKULAM TALCHER-I/C	2	0	909	0.0	15.7	-49.4 -15.7
5		BALIMELA-UPPER-SILERRU	1	2	0	0.0	0.0	0.0
Y					ER-SR	0.0	103.3	-103.3
Import	t/Export of ER (1 2	0	207	0.0	4.9	4.0
2		BINAGURI-BONGAIGAON ALIPURDUAR-BONGAIGAON	2	143	287 237	0.0	2.2	-4.9 -2.2
3	220 kV	ALIPURDUAR-SALAKATI	2	0	58	0.0	0.7	-0.7
					ER-NER	0.0	7.8	-7.8
Import	t/Export of NER				502		12.1	
11	HVDC	BISWANATH CHARIALI-AGRA	2	0	503 NER-NR	0.0	12.1 12.1	-12.1 -12.1
Import	t/Export of WR ((With NR)			TIER-TIR	U.U	12.1	-12.1
1	HVDC	CHAMPA-KURUKSHETRA	2	0	3071	0.0	51.3	-51.3
2		VINDHYACHAL B/B		227	0	4.6	0.0	4.6
3		MUNDRA-MOHINDERGARH	2	0	497	0.0	12.2 31.6	-12.2
5		GWALIOR-AGRA GWALIOR-PHAGI	2 2	0	1811 2291	0.0	31.0	-31.6 -31.2
6		JABALPUR-ORAI	2	Ŏ	937	0.0	29.2	-29.2
7		GWALIOR-ORAI	1	790	0	14.5	0.0	14.5
8	765 kV	SATNA-ORAI	1	0	1109	0.0	21.1	-21.1
8	765 kV 765 kV	BANASKANTHA-CHITORGARH	1 2	0 1143	1109 0	0.0 17.4	21.1 0.0	-21.1 17.4
8	765 kV 765 kV 765 kV		1 2 2 1	0 1143 0	1109	0.0	21.1	-21.1 17.4 -35.4
8 9 10 11 12	765 kV 765 kV 765 kV 400 kV 400 kV	BANASKANTHA-CHITORGARH VINDHYACHAL-VARANASI		0 1143 0 247 295	1109 0 1891	0.0 17.4 0.0	21.1 0.0 35.4 0.0 0.0	-21.1 17.4
8 9 10 11 12 13	765 kV 765 kV 765 kV 400 kV 400 kV 400 kV	BANASKANTHA-CHITORGARH VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA -BHINMAL VINDHYACHAL -RIHAND		0 1143 0 247 295 971	1109 0 1891 0 0	0.0 17.4 0.0 4.4 3.9 21.8	21.1 0.0 35.4 0.0 0.0 0.0	-21.1 17.4 -35.4 4.4 3.9 21.8
8 9 10 11 12 13 14	765 kV 765 kV 765 kV 400 kV 400 kV 400 kV 400 kV	BANASKANTHA-CHITORGARH VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA -BHINMAL VINDHYACHAL -RIHAND RAPP-SHUJALPÜR	2 1 1	0 1143 0 247 295 971	1109 0 1891 0 0 0 490	0.0 17.4 0.0 4.4 3.9 21.8 0.0	21.1 0.0 35.4 0.0 0.0 0.0 4.6	-21.1 17.4 -35.4 4.4 3.9 21.8 -4.6
8 9 10 11 12 13 14 15	765 kV 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	0 1143 0 247 295 971 0	1109 0 1891 0 0 0 490 60	0.0 17.4 0.0 4.4 3.9 21.8 0.0 0.5	21.1 0.0 35.4 0.0 0.0 0.0 4.6 0.1	-21.1 17.4 -35.4 4.4 3.9 21.8 -4.6 0.4
8 9 10 11 12 13 14 15 16	765 kV 765 kV 765 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	0 1143 0 247 295 971 0 76 0	1109 0 1891 0 0 0 490	0.0 17.4 0.0 4.4 3.9 21.8 0.0	21.1 0.0 35.4 0.0 0.0 0.0 4.6	-21.1 17.4 -35.4 4.4 3.9 21.8 -4.6
8 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	BANASKANTHA-CHITORGARH VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPURA-URAHYA	2 1 1	0 1143 0 247 295 971 0 76 0 140 98	1109 0 1891 0 0 0 490 60 30 0	0.0 17.4 0.0 4.4 3.9 21.8 0.0 0.5 0.0 1.7 2.4	21.1 0.0 35.4 0.0 0.0 0.0 4.6 0.1 0.9 0.0	-21.1 17.4 -35.4 4.4 3.9 21.8 -4.6 0.4 -0.9 1.7 2.4
8 9 10 11 12 13 14 15 16 17 18	765 kV 765 kV 765 kV 400 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-SIRUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR GWALIOR-SAWAI MADHOPUR	2 1 1	0 1143 0 247 295 971 0 76 0 140 98	1109 0 1891 0 0 0 490 60 30 0	0.0 17.4 0.0 4.4 3.9 21.8 0.0 0.5 0.0 1.7 2.4	21.1 0.0 35.4 0.0 0.0 0.0 4.6 0.1 0.9 0.0 0.0	-21.1 17.4 -35.4 4.4 3.9 21.8 -4.6 0.4 -0.9 1.7 2.4 0.0
8 9 10 11 12 13 14 15 16 17 18	765 kV 765 kV 765 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV	BANASKANTHA-CHITORGARH VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPURA-URAHYA	2 1 1	0 1143 0 247 295 971 0 76 0 140 98	1109 0 1891 0 0 0 490 60 30 0 0	0.0 17.4 0.0 4.4 3.9 21.8 0.0 0.5 0.0 1.7 2.4 0.0	21.1 0.0 35.4 0.0 0.0 0.0 0.0 4.6 0.1 0.9 0.0 0.0 0.0	-21.1 17.4 -35.4 4.4 3.9 21.8 -4.6 0.4 -0.9 1.7 2.4 0.0
8 9 10 11 12 13 14 15 16 17 18 19 20	765 kV 765 kV 765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV	BANASKANTHA-CHITORGARH VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAIGHAT-LALITPUR	2 1 1	0 1143 0 247 295 971 0 76 0 140 98	1109 0 1891 0 0 0 490 60 30 0	0.0 17.4 0.0 4.4 3.9 21.8 0.0 0.5 0.0 1.7 2.4	21.1 0.0 35.4 0.0 0.0 0.0 4.6 0.1 0.9 0.0 0.0	-21.1 17.4 -35.4 4.4 3.9 21.8 -4.6 0.4 -0.9 1.7 2.4 0.0
8 9 10 11 12 13 14 15 16 17 18 19 20	765 kV 765 kV 765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV UExport of WR HVDC	BANASKANTHA-CHITORGARH VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPURA-URAHYA GWALIOR-SAWAI MADHOPUR RAIGHAT-LALITPUR	2 1 1 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 1143 0 247 295 971 0 76 0 140 98 0	1109 0 1891 0 0 0 490 60 30 0 0 WR-NR	0.0 17.4 0.0 4.4 3.9 21.8 0.0 0.5 0.0 1.7 2.4 0.0 0.0 1.1,0	21.1 0.0 35.4 0.0 0.0 0.0 4.6 0.1 0.9 0.0 0.0 0.0 0.0 0.0 0.1 1.2	-21.1 17.4 -35.4 4.4 3.9 21.8 -4.6 0.4 -0.9 1.7 2.4 0.0 0.0 0.0 -146.4
8 9 10 11 12 13 14 15 16 17 18 19 20	765 kV 765 kV 765 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV WEXPORT of WR HVDC HVDC	BANASKANTHA-CHITORGARH VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIORS-SWALIMADHOPUR RAJGHAT-LALITPUR WIth SR) BHADRAWATI B/B RAIGARH-PUGALUR	2 1 1	0 1143 0 247 295 971 0 0 76 0 140 98 0 0	1109 0 1891 0 0 4990 60 30 0 WR-NR	0.0 17.4 0.0 4.4 3.9 21.8 0.0 0.5 0.0 1.7 2.4 0.0 71.0	21.1 0.0 35.4 0.0 0.0 0.0 0.0 4.6 0.1 0.9 0.0 0.0 0.0 0.0 0.0 1.1 0.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0	-21.1 17.4 -35.4 4.4 3.9 21.8 -4.6 0.4 -0.9 1.7 2.4 0.0 0.0 -146.4
8 9 10 11 12 13 14 15 16 17 18 19 20 Import 1 2	765 kV 765 kV 765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 140 kV 400 kV 40	BANASKANTHA-CHITORGARH VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPURA-URAIYA MALANPURA-URAIYA WHIDON-SAWAI MADHOPUR RAIGHAT-LALITPUR WIth SR) BHADRAWATI RB RAIGARH-PUGALUR SOLAPUR-RAIGHUR	2 1 1 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 1143 0 247 295 971 0 76 0 140 98 0 0	1109 0 1891 0 0 0 9 490 60 30 0 0 WR-NR 265 604 3067	0.0 17.4 0.0 4.4 3.9 21.8 0.0 0.5 0.0 1.7 2.4 0.0 0.0 71.0	21.1 0.0 35.4 0.0 0.0 0.0 0.0 4.6 0.1 0.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	-21.1 17.4 -35.4 4.4 3.9 21.8 -4.6 0.4 -0.9 1.7 2.4 0.0 0.0 -146.4 11.5 14.1 -25.3
8 9 10 11 12 13 14 15 16 17 18 19 20	765 kV 765 kV 765 kV 400 kV 400 kV 400 kV 200 kV 220 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 140 kV 150 kV 15	BANASKANTHA-CHITORGARH VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA WIHDIRA-WARAIYA WIHDIRA-WARAIYA WHALANPURA-WARAIYA GWALJOR-SAWAI MADHOPUR RAIGHAT-LALITPUR WIR SR BHADRAWATI B/B RAIGRH-PUGALUR SOLAPUR RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI	2 1 1 1 2 2 1 1 1 1 1 1 1 2 2 1 1 1 1 1	0 1143 0 247 295 971 0 0 76 0 140 98 0 0	1109 0 1891 0 0 4990 60 30 0 WR-NR	0.0 17.4 0.0 4.4 3.9 21.8 0.0 0.5 0.0 1.7 2.4 0.0 71.0	21.1 0.0 35.4 0.0 0.0 0.0 0.0 4.6 0.1 0.9 0.0 0.0 0.0 0.0 0.0 1.1 0.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0	-21.1 17.4 -35.4 4.4 3.9 21.8 -4.6 0.4 -0.9 1.7 2.4 0.0 0.0 -146.4
8 9 10 11 12 13 14 15 16 17 18 19 20 Import 1 2 3 4 5 6	765 kV 765 kV 765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 140 kV 140 kV 150 kV 15	BANASKANTHA-CHITORGARH VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIORS-SWAI MADHOPUR RAIGHT-LALITPUR WIth SR BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WROHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI	2 1 1 1 2 2 1 1 1 1 1 1 2 2 2 1 1 1 1 1	0 1143 0 247 295 971 0 76 0 0 140 98 0 0 0	1109 0 1891 0 0 0 490 60 30 0 0 WR-NR 265 604 3067 3059 118	0.0 17.4 0.0 4.4 3.9 21.8 0.0 0.5 0.0 1.7 2.4 0.0 0.1 12.7 14.1 1.4 0.0 10.2 0.0 0.0	21.1 0.0 35.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	-21.1 17.4 -35.4 4.4 3.9 21.8 -4.6 0.4 -0.9 1.7 2.4 0.0 0.0 -146.4 11.5 14.1 -25.3 -39.2 10.0 0.0
8 9 10 11 12 13 14 15 16 17 18 19 20 Import 1 2 3 4 5	765 kV 765 kV 765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV HYDC HYDC 765 kV 400 kV 400 kV 220 kV 400 kV	BANASKANTHA-CHITORGARH VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-ANPUR BHANPURA-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA WHEIGAON-AURAIYA WHEIGAON-BARAIYA MALANPUR-LALITPUR WIID SRI BHADRAWATI B/B BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI	2 1 1 1 2 1 1 1 1 1 1 1 2 2 2 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0 1143 0 247 225 971 0 76 0 140 98 0 0 0 1435 806 0 0 986 0	1109 0 1891 0 0 0 0 0 490 60 30 0 0 WR-NR 265 604 3067 3059 1118 0	0.0 17.4 0.0 4.4 3.9 21.8 0.0 0.5 0.0 1.7 2.4 0.0 0.0 71.0 12.7 14.1 1.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	21.1 0.0 0.0 35.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	-21.1 17.4 -35.4 4.4 3.9 21.8 -4.6 0.4 -0.9 1.7 2.4 0.0 0.0 -146.4 11.5 14.1 -25.3 -39.2 10.1 0.0
8 9 10 11 12 13 14 15 16 17 18 19 20 Import 1 2 3 4 5 6	765 kV 765 kV 765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV HYDC HYDC 765 kV 400 kV 400 kV 220 kV 400 kV	BANASKANTHA-CHITORGARH VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIORS-SWAI MADHOPUR RAIGHT-LALITPUR WIth SR BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WROHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI	2 1 1 1 2 1 1 1 1 1 1 1 2 2 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0 1143 0 247 295 971 0 76 0 0 140 98 0 0 0	1109 0 1891 0 0 0 1891 0 0 0 490 60 30 0 0 WR-NR 265 604 3067 3059 118 0 0 0	0.0 17.4 0.0 4.4 3.9 21.8 0.0 0.5 0.0 1.7 2.4 0.0 0.1 12.7 14.1 1.4 0.0 10.2 0.0 0.0	21.1 0.0 35.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	-21.1 17.4 -35.4 4.4 3.9 21.8 -4.6 0.4 -0.9 1.7 2.4 0.0 0.0 -146.4 11.5 14.1 -25.3 -39.2 10.0 0.0
8 9 10 11 12 13 14 15 16 17 18 19 20 Import 1 2 3 4 5	765 kV 765 kV 765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV HYDC HYDC 765 kV 400 kV 400 kV 220 kV 400 kV	BANASKANTHA-CHITORGARH VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIORS-SWALIMADHOPUR RAJGHAT-LALITPUR WIth SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	2 1 1 1 1 2 1 1 1 1 1 2 2 2 2 2 2 2 2 2	0 1143 0 247 295 971 0 76 0 140 98 0 0 0 1435 806 0 986 0	1109 0 1891 0 0 0 0 0 490 60 30 0 0 WR-NR 265 604 3067 3059 1118 0	0.0 17.4 0.0 4.4 3.9 21.8 0.0 0.5 0.0 1.7 2.4 0.0 0.0 71.0 12.7 14.1 1.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	21.1 0.0 35.4 0.0 0.0 0.0 0.0 4.6 0.1 0.9 0.0 0.0 0.0 0.0 0.0 217.4 1.2 0.0 26.7 39.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	-21.1 17.4 -35.4 4.4 3.9 21.8 -4.6 0.4 -0.9 1.7 2.4 0.0 0.0 -146.4 11.5 14.1 -25.3 -39.2 10.1 0.0 0.9 -27.8
8 9 10 11 12 13 14 15 16 17 18 19 20 Import 1 2 3 4 5	765 kV 765 kV 765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 1WEXPORT of WR HVDC T65 kV 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 MALANPURA-URAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WIth SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	2 1 1 1 2 1 1 1 1 1 2 1 1 1 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 1143 0 247 295 971 0 76 0 140 98 0 0 1435 806 0 0 1 1 CHANGES	1109 0 1891 0 0 0 0 499 60 30 0 0 WR-NR 265 604 3067 3059 118 0 0 85 WR-SR	0.0 17.4 0.0 4.4 3.9 21.8 0.0 0.5 0.0 1.7 2.4 0.0 0.0 1.7 1.1 1.4 0.0 10.2 0.0 0.0 1.0 39,3	21.1 0.0 0.0 35.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	-21.1 17.4 -35.4 4.4 3.9 21.8 -4.6 0.4 -0.9 1.7 2.4 0.0 -146.4 11.5 14.1 -25.3 -39.2 10.1 0.0 0.9 0.9 -27.8 +ve)/Export(-ve)
8 9 10 11 12 13 14 15 16 17 18 19 20 Import 1 2 3 4 5	765 kV 765 kV 765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV HYDC HYDC 765 kV 400 kV 400 kV 220 kV 400 kV	BANASKANTHA-CHITORGARH VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIORS-SWALIMADHOPUR RAJGHAT-LALITPUR WIth SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	2 1 1 1 1 1 1 1 1 1	0 1143 0 247 225 971 0 76 0 140 98 0 0 1435 806 0 0 1 1 CHANGES Name	1109 0 1891 0 0 0 1891 0 0 0 490 60 30 0 0 WR-NR 265 604 3067 3059 118 0 0 0	0.0 17.4 0.0 4.4 3.9 21.8 0.0 0.5 0.0 1.7 2.4 0.0 0.0 71.0 12.7 14.1 1.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	21.1 0.0 35.4 0.0 0.0 0.0 0.0 4.6 0.1 0.9 0.0 0.0 0.0 0.0 0.0 217.4 1.2 0.0 26.7 39.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	-21.1 17.4 -35.4 4.4 3.9 21.8 -4.6 0.4 -0.9 1.7 2.4 0.0 0.0 -146.4 11.5 14.1 -225.3 -39.2 10.1 0.0 0.0 0.9 -27.8 +ve)/Export(-ve) Energy Exchange
8 9 10 11 12 13 14 15 16 17 18 19 20 Import 1 2 3 4 5	765 kV 765 kV 765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 1WEXPORT of WR HVDC HVDC 765 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 MALANPURA-WARAIYA MALANPURA-URAIYA GWALIORS-SWALI MADHOPUR RAIGHAT-LALITPUR WITH SR BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN' Region	2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 1143 0 247 295 971 0 76 0 140 98 0 0 1435 0 1435 0 986 0 0 11 CHANGES Name	1109 0 1891 0 0 1891 0 0 0 490 60 30 0 0 0 WR-NR 265 604 3067 3059 118 0 0 0 WR-SR	0.0 17.4 0.0 4.4 3.9 21.8 0.0 0.5 0.0 1.7 2.4 0.0 0.0 1.7 1.4 1.4 0.0 10.2 0.0 0.0 1.0 39.3	21.1 0.0 0.0 35.4 0.0 0.0 0.0 0.0 4.6 0.1 0.9 0.0 0.0 0.0 0.0 0.0 0.0 217.4 1.2 0.0 0.0 226.7 39.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	-21.1 17.4 -35.4 4.4 3.9 21.8 -4.6 0.4 -0.9 1.7 2.4 0.0 0.0 -146.4 11.5 14.1 -25.3 -39.2 10.1 0.0 0.0 0.9 -27.8 +ve)/Export(-ve) Energy Exchange
8 9 10 11 12 13 14 15 16 17 18 19 20 Import 1 2 3 4 5	765 kV 765 kV 765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 1WEXPORT of WR HVDC HVDC 765 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 MALANPURA-URAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WIth SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	2 1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 1 1 1 1 FERNATIONAL EX Line 400KV MANGDECHH 1,2&3 i.e. AIDURDU	0 1143 0 247 225 971 0 76 0 140 98 0 0 1435 806 0 1 1 CHANGES Name U-ALIPURDUAR AR RECEIPT (from	1109 0 1891 0 0 0 0 499 60 30 0 0 WR-NR 265 604 3067 3059 118 0 0 85 WR-SR	0.0 17.4 0.0 4.4 3.9 21.8 0.0 0.5 0.0 1.7 2.4 0.0 0.0 1.7 1.1 1.4 0.0 10.2 0.0 0.0 1.0 39,3	21.1 0.0 0.0 35.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	-21.1 17.4 -35.4 4.4 3.9 21.8 -4.6 0.4 -0.9 1.7 2.4 0.0 0.0 -146.4 11.5 14.1 -225.3 -39.2 10.1 0.0 0.9 -27.8 +ve)/Export(-ve) Energy Exchange
8 9 10 11 12 13 14 15 16 17 18 19 20 Import 1 2 3 4 5	765 kV 765 kV 765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 1WEXPORT of WR HVDC HVDC 765 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 MALANPURA-WARAIYA MALANPURA-URAIYA GWALIORS-SWALI MADHOPUR RAIGHAT-LALITPUR WITH SR BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN' Region	2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 1143 0 247 295 971 0 76 0 140 98 0 0 1435 0 990 1435 0 986 0 0 1 1 CHANGES Name U-ALIPURDUAR AR RECEIPT (from	1109 0 1891 0 0 1891 0 0 0 490 60 30 0 0 0 WR-NR 265 604 3067 3059 118 0 0 0 WR-SR	0.0 17.4 0.0 4.4 3.9 21.8 0.0 0.5 0.0 1.7 2.4 0.0 0.0 1.7 1.4 1.4 0.0 10.2 0.0 0.0 1.0 39.3	21.1 0.0 0.0 35.4 0.0 0.0 0.0 0.0 4.6 0.1 0.9 0.0 0.0 0.0 0.0 0.0 0.0 217.4 1.2 0.0 0.0 226.7 39.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	-21.1 17.4 -35.4 4.4 3.9 21.8 -4.6 0.4 -0.9 1.7 2.4 0.0 0.0 -146.4 11.5 14.1 -25.3 -39.2 10.1 0.0 0.0 0.9 -27.8 +ve)/Export(-ve) Energy Exchange
8 9 10 11 12 13 14 15 16 17 18 19 20 Import 1 2 3 4 5	765 kV 765 kV 765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 1WEXPORT of WR HVDC HVDC 765 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 MALANPURA-WARAIYA MALANPURA-URAIYA GWALIORS-SWALI MADHOPUR RAIGHAT-LALITPUR WITH SR BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN' Region	2 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 1143 0 247 225 971 0 76 0 140 98 0 0 1435 0 0 1435 806 0 0 1 1 CHANGES Name U-ALIPURDUAR AR RECEIPT (from **180MW) IRI 1,24 (& 400KV) IRI 1,24 (& 400KV) IRI 1,24 (& 40KV)	1109 0 1891 0 0 0 1891 0 0 0 490 60 30 0 0 0 WR-NR 265 604 3067 3059 118 0 0 0 WR-SR	0.0 17.4 0.0 4.4 3.9 21.8 0.0 0.5 0.0 1.7 2.4 0.0 0.0 1.7 1.4 1.4 0.0 10.2 0.0 0.0 1.0 39.3	21.1 0.0 0.0 35.4 0.0 0.0 0.0 0.0 4.6 0.1 0.9 0.0 0.0 0.0 0.0 0.0 0.0 217.4 1.2 0.0 0.0 226.7 39.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	-21.1 17.4 -35.4 4.4 3.9 21.8 -4.6 0.4 -0.9 1.7 2.4 0.0 0.0 -146.4 11.5 14.1 -25.3 -39.2 10.1 0.0 0.0 0.9 -27.8 +ve)/Export(-ve) Energy Exchange
8 9 10 11 12 13 14 15 16 17 18 19 20 Import 1 2 3 4 5	765 kV 765 kV 765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 1WEXPORT of WR HVDC HVDC 765 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 MALANPURA-URAIYA GWALIORSAWAI MADHOPUR RAJGHAT-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	2 1 1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 1 1 1 1 FERNATIONAL EX Line 400KV MANGAIPECHBU H00KV MANGAIPECHBU H00KV MANGAIPECHBU M0KO FELL HEPAG MANGAIPECHBU MANGAIPEC	0 1143 0 247 225 971 0 76 0 140 98 0 0 1435 806 0 1435 806 0 1 1 CHANGES Name U-ALIPURDUAR AR RECEIPT (from **180MW) 781 1,24 (48 400kV Rt) i.e. BINAGURI NET (64 600kV Rt) i.e. BINAGURI NET (64 600kV Rt) i.e. BINAGURI NET (65 600kV) Rt) i.e. BINAGURI NET (65 600kV) Rt) i.e. BINAGURI	1109 0 1891 0 0 0 0 0 490 60 30 0 0 WR-NR 265 604 3067 3059 118 0 0 85 WR-SR	0.0 17.4 0.0 17.4 0.0 4.4 3.9 21.8 0.0 0.5 0.0 1.7 2.4 0.0 0.0 71.0 12.7 14.1 1.4 0.0 0.0 0.0 1.0 39.3	21.1 0.0 0.0 35.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	-21.1 17.4 -35.4 4.4 3.9 21.8 -4.6 0.4 -0.9 1.7 2.4 0.0 0.0 -146.4 11.5 -25.3 -39.2 10.1 0.0 0.9 0.9 -27.8 +ve)/Export(-ve) Energy Exchange (MII)
8 9 10 11 12 13 14 15 16 17 18 19 20 1 1 1 1 1 2 2 3 4 4 5 5 6 6 7 7 8 8	765 kV 765 kV 765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 1400 kV 400 kV 565 kV 400 kV 220 kV 132 kV 140 kV 150 kV 165 kV	BANASKANTHA-CHITORGARH VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAFP-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	2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 1143 0 247 225 971 0 76 0 140 98 0 140 98 0 0 1435 0 0 1435 0 0 1435 0 0 1435 0 1435 0 1536 0 164 0 174 0 184 0 184 0 186 0 187 0 187 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0 188 0	1109 0 1891 0 0 0 1891 0 0 0 0 0 0 WR-NR 265 604 3067 3059 1118 0 0 85 WR-SR	0.0 17.4 0.0 4.4 3.9 2.1.8 0.0 0.5 0.0 1.7 2.4 0.0 71.0 12.7 14.1 1.4 0.0 10.2 0.0 0.0 39.3 Min (MW)	21.1 0.0 0.0 35.4 0.0 0.0 0.0 0.0 4.6 0.1 0.9 0.0 0.0 0.0 0.0 0.0 0.0 217.4 1.2 0.0 26.7 39.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0 0.0 0	-21.1 17.4 -35.4 4.4 3.9 21.8 -4.6 0.4 -0.9 1.7 2.4 0.0 0.0 0.1 146.4 11.5 14.1 -25.3 -39.2 10.1 0.0 0.0 0.9 -27.8 +ve)/Export(-ve) Energy Exchange (MII) 2.8
8 9 10 11 12 13 14 15 16 17 18 19 20 1 1 1 1 1 2 2 3 4 4 5 5 6 6 7 7 8 8	765 kV 765 kV 765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 1WEXPORT of WR HVDC HVDC 765 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 MALANPURA-URAIYA GWALIORSAWAI MADHOPUR RAJGHAT-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	2 1 1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 1 1 1 1 FERNATIONAL EX Line 400KV MANGAIPECHBU H00KV MANGAIPECHBU H00KV MANGAIPECHBU M0KO FELL HEPAG MANGAIPECHBU MANGAIPEC	0 1143 0 247 295 971 0 76 0 140 98 0 1435 0 0 1435 806 0 151 0 1435 806 0 151 1435 806 0 151 806 806 806 80 806 807 807 807 807 807 807 807 807 807 807	1109 0 1891 0 0 0 0 0 490 60 30 0 0 WR-NR 265 604 3067 3059 118 0 0 85 WR-SR	0.0 17.4 0.0 17.4 0.0 4.4 3.9 21.8 0.0 0.5 0.0 1.7 2.4 0.0 0.0 71.0 12.7 14.1 1.4 0.0 0.0 0.0 1.0 39.3	21.1 0.0 0.0 35.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	-21.1 17.4 -35.4 4.4 3.9 21.8 -4.6 0.4 -0.9 1.7 2.4 0.0 0.0 -146.4 11.5 14.1 -25.3 -39.2 10.1 0.0 0.9 0.9 27.8 +ve)/Export(-ve) Energy Exchange (MII)
8 9 10 11 12 13 14 15 16 17 18 19 20 1 1 1 1 1 2 2 3 4 4 5 5 6 6 7 7 8 8	765 kV 765 kV 765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 1400 kV 400 kV 565 kV 400 kV 220 kV 132 kV 140 kV 150 kV 165 kV	BANASKANTHA-CHITORGARH VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SWALI AMDHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI R/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI XELDEM-AMBEWADI ER ER	2 1 1 1 2 1 1 1 1 1 1 1 1 1 2 2 1 1 1 1	0 1143 0 247 295 971 0 76 0 140 98 0 1435 0 0 1435 806 0 0 1435 806 0 1 1 CHANGES Name 1 CHANGES Name 1 STIL,24 (& 400kV RI) i.e. BINAGURI RI IEP (6*170KW) PARA IAZ (& 220kV	1109 0 1891 0 0 0 0 0 499 60 30 0 0 WR-NR 265 604 3067 3059 118 0 0 85 WR-SR	0.0 17.4 0.0 17.4 0.0 4.4 3.9 21.8 0.0 0.5 0.0 1.7 2.4 0.0 0.0 71.0 12.7 14.1 1.4 0.0 0.0 1.0 1.0 39.3 Min (MW) 0 311	21.1 0.0 0.0 35.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	-21.1 17.4 -35.4 4.4 3.9 21.8 -4.6 0.4 -0.9 1.7 2.4 0.0 -146.4 11.5 -1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
8 9 10 11 12 13 14 15 16 17 18 19 20 1 1 1 1 1 2 2 3 4 4 5 5 6 6 7 7 8 8	765 kV 765 kV 765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 1400 kV 400 kV 565 kV 400 kV 220 kV 132 kV 140 kV 150 kV 165 kV	BANASKANTHA-CHITORGARH VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAFP-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	2 1 1 1 2 1 1 1 1 1 1 1 1 1 2 1 1 1 1 1	0 1143 0 247 295 971 0 76 0 140 98 0 1435 0 0 1435 806 0 0 1435 806 0 1 1 CHANGES Name 1 CHANGES Name 1 STIL,24 (& 400kV RI) i.e. BINAGURI RI IEP (6*170KW) PARA IAZ (& 220kV	1109 0 1891 0 0 0 1891 0 0 0 0 0 0 WR-NR 265 604 3067 3059 1118 0 0 85 WR-SR	0.0 17.4 0.0 4.4 3.9 2.1.8 0.0 0.5 0.0 1.7 2.4 0.0 71.0 12.7 14.1 1.4 0.0 10.2 0.0 0.0 39.3 Min (MW)	21.1 0.0 0.0 35.4 0.0 0.0 0.0 0.0 4.6 0.1 0.9 0.0 0.0 0.0 0.0 0.0 0.0 217.4 1.2 0.0 26.7 39.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.0 0.0 0	-21.1 17.4 -35.4 4.4 3.9 21.8 -4.6 0.4 -0.9 1.7 2.4 0.0 0.0 0.1 146.4 11.5 14.1 -25.3 -39.2 10.1 0.0 0.0 0.9 -27.8 +ve)/Export(-ve) Energy Exchange (MII) 2.8
8 9 10 11 11 12 13 14 15 16 17 18 19 20 1 1 19 20 1 1 19 20 3 4 5 6 6 7 7 8	765 kV 765 kV 765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 1400 kV 400 kV 565 kV 400 kV 220 kV 132 kV 140 kV 150 kV 165 kV	BANASKANTHA-CHITORGARH VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SWALI AMDHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI R/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI XELDEM-AMBEWADI ER ER	2 1 1 1 2 1 1 1 1 1 1 1 1 1 2 2 1 1 1 1	0 1143 0 247 295 971 0 76 0 140 98 0 1435 0 0 1435 806 0 0 1435 806 0 1 1 CHANGES Name 1 CHANGES Name 1 STIL,24 (& 400kV RI) i.e. BINAGURI RI IEP (6*170KW) PARA IAZ (& 220kV	1109 0 1891 0 0 0 0 0 499 60 30 0 0 WR-NR 265 604 3067 3059 118 0 0 85 WR-SR	0.0 17.4 0.0 17.4 0.0 4.4 3.9 21.8 0.0 0.5 0.0 1.7 2.4 0.0 0.0 71.0 12.7 14.1 1.4 0.0 0.0 1.0 1.0 39.3 Min (MW) 0 311	21.1 0.0 0.0 35.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	-21.1 17.4 -35.4 4.4 3.9 21.8 -4.6 0.4 -0.9 1.7 2.4 0.0 -146.4 11.5 -1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
8 9 10 11 11 12 13 14 15 16 17 18 19 20 1 1 19 20 1 1 19 20 3 4 5 6 6 7 7 8	765 kV 765 kV 765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 1400 kV 400 kV 565 kV 400 kV 220 kV 132 kV 140 kV 150 kV 165 kV	BANASKANTHA-CHITORGARH VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SWALI AMDHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI R/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI XELDEM-AMBEWADI ER ER	2 1 1 1 2 1 1 1 1 1 1 1 1 1 2 2 1 1 1 1	0 1143 0 247 295 971 0 76 0 140 98 0 0 1435 0 0 1435 806 0 0 1435 806 0 1 1 CHANGES Name U-ALIPURDUAR AR RECEIPT (from p=180MW) RI 1,24 (64 400K) RR 1,26 (16 400K) RR 1,26 (12 64 200K) ARAR 1&2 (62 220K) A) LE BINAGURI HEP (e3 70MW) AKIA HEP 4*84MW) LAKATI	1109 0 1891 0 0 0 0 0 499 60 30 0 0 WR-NR 265 604 3067 3059 118 0 0 85 WR-SR	0.0 17.4 0.0 17.4 0.0 4.4 3.9 21.8 0.0 0.5 0.0 1.7 2.4 0.0 0.0 71.0 12.7 14.1 1.4 0.0 0.0 1.0 1.0 39.3 Min (MW) 0 311	21.1 0.0 0.0 35.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	-21.1 17.4 -35.4 4.4 3.9 21.8 -4.6 0.4 -0.9 1.7 2.4 0.0 0.0 -146.4 11.5 14.1 -25.3 -39.2 10.1 0.0 0.9 -27.8 +ve)/Export(-ve) Energy Exchange (MII) 2.8 8.1
8 9 10 11 11 12 13 14 15 16 17 18 19 20 1 1 19 20 1 1 19 20 3 4 5 6 6 7 7 8	765 kV 765 kV 765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 1400 kV 400 kV 565 kV 400 kV 220 kV 132 kV 140 kV 150 kV 165 kV	BANASKANTHA-CHITORGARH VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPURA-MORAK MEHGAON-AURAIYA MALANPURA-URAIYA GWALIORESAWAI MADHOPUR RAIGHAT-LALITPUR WITH SR BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUNGI 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	0 1143 0 247 225 971 0 76 0 140 98 0 0 1435 0 0 1435 806 0 1435 806 0 1 1 CHANGES Name U-ALIPURDUAR AR RECEIPT (from **180MW) RI 1,24 (& 400KV RI) i.e. BINAGURI ARP (**190MW) PARA 1&2 (& 220KV A) i.e. BIRPAGURI MEP (**190MW) LAKATI	1109 0 1891 0 0 0 0 0 0 0 0 0 0 0 0 0 0 WR-NR 265 604 3067 3059 1118 0 0 0 WR-SR Max (MW) 148	0.0 17.4 0.0 17.4 0.0 4.4 4.3.9 21.8 0.0 0.5 0.0 1.7 2.4 0.0 0.0 71.0 12.7 14.1 1.4 0.0 10.2 0.0 1.0 39.3 Min (MW) 0 311	21.1 0.0 0.0 35.4 0.0 0.0 0.0 0.0 0.0 4.6 0.1 0.9 0.0 0.0 0.0 0.0 0.0 217.4 1.2 0.0 0.0 26.7 39.2 0.0 0.0 0.0 0.0 118 118 337	-21.1 17.4 -35.4 4.4 3.9 21.8 -4.6 0.4 -0.9 1.7 2.4 0.0 0.0 -146.4 11.5 14.1 -25.3 -39.2 10.1 0.0 0.9 0.9 -27.8 +ve)/Export(-ve) Energy Exchange (MII) 2.8 8.1
8 9 10 11 11 12 13 14 15 16 17 18 19 20 1 1 19 20 1 1 19 20 3 4 5 6 6 7 7 8	765 kV 765 kV 765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 1400 kV 400 kV 565 kV 400 kV 220 kV 132 kV 140 kV 150 kV 165 kV	BANASKANTHA-CHITORGARH VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPUR-AURAHYA GWALIORS-SWAH MADHOPUR RAIGHAT-LALITPUR With SR) BHADRURA-WARTER RAIGHAT-LALITPUR WITH SR) BHADRAWATI BR RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN REGION ER ER ER	2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 1143 0 247 225 971 0 76 0 140 98 0 0 1435 0 0 1435 806 0 1435 806 0 1 1 CHANGES Name U-ALIPURDUAR AR RECEIPT (from **180MW) RI 1,24 (& 400KV RI) i.e. BINAGURI ARP (**190MW) PARA 1&2 (& 220KV A) i.e. BIRPAGURI MEP (**190MW) LAKATI	1109 0 1891 0 0 1891 0 0 0 490 60 30 0 0 0 WR-NR 265 604 3067 3059 118 0 0 85 WR-SR	0.0 17.4 0.0 4.4 0.0 4.4 3.9 2.1.8 0.0 0.5 0.0 1.7 2.4 0.0 0.0 1.7 1.4 1.4 0.0 10.2 0.0 0.0 1.0 39.3 Min (MW) 0 1 1	21.1 0.0 0.0 35.4 0.0 0.0 0.0 0.0 0.0 4.6 0.1 0.9 0.0 0.0 0.0 0.0 0.0 217.4 1.2 0.0 0.0 2217.4 1.2 0.0 0.0 0.0 1.0 0.0 0.0 0.0 1.0 0.0 0.0	-21.1 17.4 -35.4 4.4 3.9 21.8 -4.6 0.4 -0.9 1.7 2.4 0.0 0.0 -146.4 11.5 14.1 -2.5.3 -39.2 10.1 0.0 0.0 0.0 0.9 -27.8 +ve)/Export(-ve) Energy Exchange (MU1) 2.8 8.1 -1.0
8 9 10 11 11 12 13 14 15 16 17 18 19 20 1 1 19 20 1 1 19 20 3 4 5 6 6 7 7 8	765 kV 765 kV 765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 1400 kV 400 kV 565 kV 400 kV 220 kV 132 kV 140 kV 150 kV 165 kV	BANASKANTHA-CHITORGARH VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPURA-MORAK MEHGAON-AURAIYA MALANPURA-URAIYA GWALIORESAWAI MADHOPUR RAIGHAT-LALITPUR WITH SR BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUNGI 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	0 1143 0 247 225 971 0 76 0 140 98 0 0 1435 0 0 1435 806 0 1435 806 0 1 1 CHANGES Name U-ALIPURDUAR AR RECEIPT (from **180MW) RI 1,24 (& 400KV RI) i.e. BINAGURI ARP (**190MW) PARA 1&2 (& 220KV A) i.e. BIRPAGURI MEP (**190MW) LAKATI	1109 0 1891 0 0 0 0 0 0 0 0 0 0 0 0 0 0 WR-NR 265 604 3067 3059 1118 0 0 0 WR-SR Max (MW) 148	0.0 17.4 0.0 17.4 0.0 4.4 4.3.9 21.8 0.0 0.5 0.0 1.7 2.4 0.0 0.0 71.0 12.7 14.1 1.4 0.0 10.2 0.0 1.0 39.3 Min (MW) 0 311	21.1 0.0 0.0 35.4 0.0 0.0 0.0 0.0 0.0 4.6 0.1 0.9 0.0 0.0 0.0 0.0 0.0 217.4 1.2 0.0 0.0 26.7 39.2 0.0 0.0 0.0 0.0 118 118 337	-21.1 17.4 -35.4 4.4 3.9 21.8 -4.6 0.4 -0.9 1.7 2.4 0.0 0.0 -146.4 11.5 14.1 -25.3 -39.2 10.1 0.0 0.9 0.9 -27.8 +ve)/Export(-ve) Energy Exchange (MII) 2.8 8.1
8 9 10 11 12 13 14 15 16 17 18 19 20 1 1 1	765 kV 765 kV 765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 140 kV Export of WR HVDC HVDC HVDC HVDC State State State	BANASKANTHA-CHITORGARH VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-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 XELDEM-AMBEWADI ER ER NER NER	2 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 1143 0 247 225 971 0 76 0 140 98 0 1435 0 0 1435 806 0 0 1435 806 0 1 1 CHANGES Name U-ALIPURDUAR AR RECEIPT (from #180MW) RI 1,24 (k 400kV RI) i.e. BINAGURI MEI 1,24 (k 4	1109 0 1891 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.0 17.4 0.0 17.4 0.0 4.4 4.4 3.9 21.8 0.0 0.5 0.0 1.7 2.4 0.0 71.0 12.7 14.1 1.4 0.0 0.0 1.0 39.3 Min (MW) 0 311	21.1 0.0 0.0 35.4 0.0 0.0 0.0 0.0 4.6 0.1 0.9 0.0 0.0 0.0 0.0 0.0 217.4 1.2 0.0 0.0 0.0 0.0 0.0 0.0 1 1.2 1.2 0.0 0.0 0.0 0.0 3337 0 118	-21.1 17.4 -35.4 4.4 3.5 21.8 -4.6 0.4 -0.9 1.7 2.4 0.0 -146.4 11.5 14.1 -25.3 -39.2 10.1 0.0 0.9 0.9 -27.8 +ve)/Export(-ve) Energy Exchange (MII) 2.8 8.1 -1.0 0.1
8 9 10 11 12 13 14 15 16 17 18 19 20 1 1 1	765 kV 765 kV 765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 1400 kV 400 kV 565 kV 400 kV 220 kV 132 kV 140 kV 150 kV 165 kV	BANASKANTHA-CHITORGARH VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPUR-AURAHYA GWALIORS-SWAH MADHOPUR RAIGHAT-LALITPUR With SR) BHADRURA-WARTER RAIGHAT-LALITPUR WITH SR) BHADRAWATI BR RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN REGION ER ER ER	2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 1143 0 247 225 971 0 76 0 140 98 0 1435 0 0 1435 806 0 0 1435 806 0 1 1 CHANGES Name U-ALIPURDUAR AR RECEIPT (from #180MW) RI 1,24 (k 400kV RI) i.e. BINAGURI MEI 1,24 (k 4	1109 0 1891 0 0 1891 0 0 0 490 60 30 0 0 0 WR-NR 265 604 3067 3059 118 0 0 85 WR-SR	0.0 17.4 0.0 4.4 0.0 4.4 3.9 2.1.8 0.0 0.5 0.0 1.7 2.4 0.0 0.0 1.7 1.4 1.4 0.0 10.2 0.0 0.0 1.0 39.3 Min (MW) 0 1 1	21.1 0.0 0.0 35.4 0.0 0.0 0.0 0.0 0.0 4.6 0.1 0.9 0.0 0.0 0.0 0.0 0.0 217.4 1.2 0.0 0.0 2217.4 1.2 0.0 0.0 0.0 1.0 0.0 0.0 0.0 1.0 0.0 0.0	-21.1 17.4 -35.4 4.4 3.9 21.8 -4.6 0.4 -0.9 1.7 2.4 0.0 0.0 0.0 -146.4 11.5 14.1 -2.5.3 -39.2 10.1 0.0 0.0 0.0 0.0 -27.8 +ve)/Export(-ve) Energy Exchange (MII) 2.8 8.1 -1.0
8 9 10 11 12 13 14 15 16 17 18 19 20 1 1 1	765 kV 765 kV 765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 140 kV Export of WR HVDC HVDC HVDC HVDC State State State	BANASKANTHA-CHITORGARH VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-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 XELDEM-AMBEWADI ER ER NER NER	2 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 1143 0 247 225 971 0 76 0 140 98 0 1435 0 0 1435 806 0 0 1435 806 0 1 1 CHANGES Name U-ALIPURDUAR AR RECEIPT (from #180MW) RI 1,24 (k 400kV RI) i.e. BINAGURI MEI 1,24 (k 4	1109 0 1891 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.0 17.4 0.0 17.4 0.0 4.4 4.4 3.9 21.8 0.0 0.5 0.0 1.7 2.4 0.0 71.0 12.7 14.1 1.4 0.0 0.0 1.0 39.3 Min (MW) 0 311	21.1 0.0 0.0 35.4 0.0 0.0 0.0 0.0 4.6 0.1 0.9 0.0 0.0 0.0 0.0 0.0 217.4 1.2 0.0 0.0 0.0 0.0 0.0 0.0 1 1.2 1.2 0.0 0.0 0.0 0.0 3337 0 118	-21.1 17.4 -35.4 4.4 3.9 21.8 -4.6 0.4 -0.9 1.7 2.4 0.0 -146.4 11.5 14.1 -25.3 -39.2 10.1 0.0 0.9 -27.8 +ve)/Export(-ve) Energy Exchange (MID) 2.8 8.1 -1.0 0.1 0.1
8 9 10 11 12 13 14 15 16 17 18 19 20 1 1 1	765 kV 765 kV 765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 140 kV Export of WR HVDC HVDC HVDC HVDC State State State	BANASKANTHA-CHITORGARH VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-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 XELDEM-AMBEWADI ER ER NER NER	2 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 1143 0 247 225 971 0 76 0 140 98 0 1435 0 0 1435 806 0 0 1435 806 0 1 1 CHANGES Name U-ALIPURDUAR AR RECEIPT (from #180MW) RI 1,24 (k 400kV RI) i.e. BINAGURI MEI 1,24 (k 4	1109 0 1891 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.0 17.4 0.0 17.4 0.0 4.4 4.4 3.9 21.8 0.0 0.5 0.0 1.7 2.4 0.0 71.0 12.7 14.1 1.4 0.0 0.0 1.0 39.3 Min (MW) 0 311	21.1 0.0 0.0 35.4 0.0 0.0 0.0 0.0 4.6 0.1 0.9 0.0 0.0 0.0 0.0 0.0 217.4 1.2 0.0 0.0 0.0 0.0 0.0 0.0 1 1.2 1.2 0.0 0.0 0.0 0.0 3337 0 118	-21.1 17.4 -35.4 4.4 3.9 21.8 -4.6 0.4 -0.9 1.7 2.4 0.0 -146.4 11.5 14.1 -25.3 -39.2 10.1 0.0 0.9 -27.8 +ve)/Export(-ve) Energy Exchange (MID) 2.8 8.1 -1.0 0.1 0.1
8 9 10 11 12 13 14 15 16 17 18 19 20 1 1 1	765 kV 765 kV 765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 140 kV Export of WR HVDC HVDC HVDC HVDC State State State	BANASKANTHA-CHITORGARH VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPUR-AURAHYA MALANPUR-AURAHYA GWALIORS-SWAH MADHOPUR RAIGHAT-LALITPUR WITH SRI BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WOHDA-MORAK MALORIS-RAICHUR WOHDA-MAREWADI IN REGION ER ER ER NER NER NER	2 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 1143 0 0 247 295 971 0 76 0 140 98 0 0 1435 0 0 1435 0 0 1435 0 0 1435 0 0 1435 1435 0 0 1435 1435 1435 1435 1435 1435 1435 1435	1109 0 1891 0 0 1891 0 0 0 0 490 60 30 0 0 WR-NR 265 604 3067 3059 1118 0 0 85 WR-SR Max (MW) 148 496 6 15	0.0 17.4 0.0 17.4 0.0 4.4 3.9 2.1.8 0.0 0.5 0.0 1.7 2.4 0.0 0.0 1.7 1.0 12.7 14.1 1.4 0.0 0.0 0.0 0.0 1.0 39.3 Min (MW) 0 1 1 0 0	21.1 0.0 0.0 35.4 0.0 0.0 0.0 0.0 0.0 4.6 0.1 0.9 0.0 0.0 0.0 0.0 0.0 217.4 1.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.1 Import(Avg (MW) 118 337	-21.1 17.4 -35.4 4.4 3.9 21.8 -4.6 0.4 -4.6 0.9 1.7 2.4 0.0 0.0 -146.4 11.5 14.1 -25.3 -39.2 10.1 0.0 0.0 0.0 0.0 -27.8 +ve)/Exprt(-ve) Energy Exchange (MII) 2.8 8.1 -1.0 0.1 0.1 0.1 0.1 0.1 0.1 0.1
8 9 10 11 12 13 14 15 16 17 18 19 20 1 1 1	765 kV 765 kV 765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 140 kV Export of WR HVDC HVDC HVDC HVDC State State State	BANASKANTHA-CHITORGARH VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA GWALIORS-SWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI R/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN Region ER ER NER NER NER NER NER ER	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 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 1 1 1 1 2 2 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 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0 1143 0 247 225 971 0 76 0 140 98 0 0 1435 0 0 1435 806 0 0 1435 806 0 1 1 CHANGES Name U-ALIPURDUAR AR RECEIPT (from **180MW) RI 1,24 (& 400KV RI) i.e. BINAGURI MEP (**190MW) PARA 142 (& 220KV ARI) i.e. BINAGURI MEP (**190MW) ARI 1,24 (& 400KV RI) i.e. BINAGURI MEP (**190MW) ARI 1,24 (& 400KV RI) i.e. BINAGURI ARI	1109 0 1891 0 0 0 0 0 0 0 0 0 0 0 0 WR-NR WR-NR 265 604 3067 3059 1118 0 0 85 WR-SR Max (MW) 148 496 0 6	0.0 17.4 0.0 17.4 0.0 4.4 3.9 21.8 0.0 0.5 0.0 1.7 2.4 0.0 0.0 71.0 12.7 14.1 1.4 0.0 0.0 1.0 39.3 Min (MW) 0 1 1 0 0 333	21.1 0.0 0.0 35.4 0.0 0.0 0.0 0.0 0.0 4.6 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	-21.1 17.4 -35.4 4.4 3.5 3.9 21.8 -4.6 0.4 -0.9 1.7 2.4 0.0 -146.4 11.5 14.1 -25.3 -39.2 10.1 0.0 0.9 -27.8 +ve)/Export(-ve) Energy Exchange (MII) 2.8 8.1 -1.0 0.1 0.0 0.0 0.0 0.1 2.8
8 9 10 11 12 13 14 15 16 17 18 19 20 1 1 1	765 kV 765 kV 765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 140 kV Export of WR HVDC HVDC HVDC HVDC State State State	BANASKANTHA-CHITORGARH VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPUR-AURAHYA MALANPUR-AURAHYA GWALIORS-SWAH MADHOPUR RAIGHAT-LALITPUR WITH SRI BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WOHDA-MORAK MALORIS-RAICHUR WOHDA-MAREWADI IN REGION ER ER ER NER NER NER	2 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 2 2 1 1 1 1 1 1 1 2 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 2 2 2 2 2 1 1 1 1 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 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 2 1 1 1 1 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 2 2 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0 1143 0 0 247 295 971 0 76 0 140 98 0 0 1435 0 0 1435 0 0 1435 0 0 1435 0 0 1435 1435 0 0 1435 1435 1435 1435 1435 1435 1435 1435	1109 0 1891 0 0 1891 0 0 0 0 490 60 30 0 0 WR-NR 265 604 3067 3059 1118 0 0 85 WR-SR Max (MW) 148 496 6 15	0.0 17.4 0.0 17.4 0.0 4.4 3.9 2.1.8 0.0 0.5 0.0 1.7 2.4 0.0 0.0 1.7 1.0 12.7 14.1 1.4 0.0 0.0 0.0 0.0 1.0 39.3 Min (MW) 0 1 1 0 0	21.1 0.0 0.0 35.4 0.0 0.0 0.0 0.0 0.0 4.6 0.1 0.9 0.0 0.0 0.0 0.0 0.0 217.4 1.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.1 Import(Avg (MW) 118 337	-21.1 17.4 -35.4 4.4 3.9 21.8 -4.6 0.4 -4.6 0.9 1.7 2.4 0.0 0.0 -146.4 11.5 14.1 -25.3 -39.2 10.1 0.0 0.0 0.0 0.0 -27.8 +ve)/Exprt(-ve) Energy Exchange (MIT) 2.8 8.1 -1.0 0.1 0.0 0.0 0.0
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8 9 10 11 12 12 13 14 15 16 17 1 1 1 2 20 1 1 1 1 1 2 20 1 1 1 1 1 2 2 1 3 3 4 4 5 5 6 7 7 8 8	765 kV 765 kV 765 kV 400 kV 400 kV 400 kV 400 kV 220 kV 220 kV 220 kV 132 kV 132 kV 140 kV Export of WR HVDC HVDC HVDC HVDC State State State	BANASKANTHA-CHITORGARH VINDHYACHAL-VARANASI ZERDA-KANKROLI ZERDA-KANKROLI ZERDA-BHINMAL VINDHYACHAL-RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA GWALIORS-SWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI R/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN Region ER ER NER NER NER NER NER ER	2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 1143 0 247 225 971 0 76 0 140 98 0 0 1435 0 0 1435 806 0 0 1435 806 0 1 1 CHANGES Name U-ALIPURDUAR AR RECEIPT (from **180MW) RI 1,24 (& 400KV RI) i.e. BINAGURI MEP (**190MW) PARA 142 (& 220KV ARI) i.e. BINAGURI MEP (**190MW) ARI 1,24 (& 400KV RI) i.e. BINAGURI MEP (**190MW) ARI 1,24 (& 400KV RI) i.e. BINAGURI ARI	1109 0 1891 0 0 0 0 0 0 0 0 0 0 0 0 WR-NR WR-NR 265 604 3067 3059 1118 0 0 85 WR-SR Max (MW) 148 496 0 6	0.0 17.4 0.0 17.4 0.0 4.4 3.9 21.8 0.0 0.5 0.0 1.7 2.4 0.0 0.0 71.0 12.7 14.1 1.4 0.0 0.0 1.0 39.3 Min (MW) 0 1 1 0 0 333	21.1 0.0 0.0 35.4 0.0 0.0 0.0 0.0 0.0 4.6 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	-21.1 17.4 -35.4 4.4 4.3 3.9 21.8 -4.6 0.4 -0.9 1.7 2.4 0.0 0.0 -146.4 11.5 14.1 -25.3 -39.2 10.1 0.0 0.9 -27.8 +ve)/Expert(-ve) Energy Exchange (MII) 2.8 8.1 -1.0 0.1 0.0 0.0 0.0 0.1 2.8