

## 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: 30<sup>th</sup> July 2022

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 29.07.2022.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-२०१० की धारा स.-५.५.१ के प्रावधान के अनुसार, दिनांक २९-जुलाई-२०२२ की अखिल भारतीय प्रणाली की

दैनिक ग्रिड निष्पादन रिपोर्ट रा०भा०प्रे०के० 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 29<sup>th</sup> July 2022, is available at the NLDC website.

धन्यवाद,

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



Report for previous day
A. Power Supply Position at All India and Regional level Date of Reporting: NR WR ER TOTAL SR Demand Met during Evening Peak hrs(MW) (at 20:00 hrs; from RLDCs) 58822 52866 25500 3310 183253 Peak Shortage (MW) 0 0 0 1178 0 1178 Energy Met (MU) 1337 1193 1011 564 63 4167 Hydro Gen (MU) 135 297 714 111 137 Wind Gen (MU) 45 93,51 75 43.23 18 102,59 138 4.58 Solar Gen (MU)\* Energy Shortage (MU) 0.62 245 9.71 0.00 0.00 Maximum Demand Met During the Day (MW) (From NLDC SCADA) 60861 52907 48805 26096 3321 184538 Time Of Maximum Demand Met (From NLDC SCADA) 20:54 19:39 10:39 22:47 19:25 19:51 B. Frequency Profile (%) FVI < 49.7 49.7 - 49.8 49.8 - 49.9 < 49.9 49.9 - 50.05 > 50.05 Region All India 81.17 C. Power Supply Position in States Max.Demand Shortage during | Energy Met OD(+)/UD(-) Max OD Energy Region Met during the Schedule Shortage (MU) (MU) (MW) day(MW) Demand(MW) (MU) (MU) 252.5 Punjab -1.8 106 11243 148.0 0.00Haryana 0 185.4 113.1 -0.8 213 Rajasthan Delhi 9892 5479 211.6 114.4 6.3 103.9 -2.7 -1.3 243 134 0 0.00 0 0.00NR UP 21950 0 443.8 184.7 0.0 247 0.00 Uttarakhand HP 2086 1620 42.5 30.6 24.5 -5.6 152 455 0 0.7 3.23 0.00 J&K(UT) & Ladakh(UT) 2102 0 49.3 26.4 -2.0 343 0.00 Chandigarh 330 0 6.6 6.6 0.0 38 0.00 Chhattisgarh 4500 107.6 385 0.7 0.00 Gujarat 15209 340.7 199.7 -0.8 978 0.00 222.8 MP 10011 106.3 0.0 557 0.00 0 WR Maharashtra 0 463.5 190.2 821 0.00 20873 609 0 12.3 12.6 -0.2 61 0.00 DNHDDPDCL 27.5 1172 0 27.6 0.1 45 0.00 0 18.1 12.2 351 0.00 Andhra Pradesh 9763 0 202.9 89.5 1.4 2.8 805 0.00 12468 210.7 89.3 0.00 Telangana 688 SR Karnataka 9668 O 186.7 63.7 -0.9 1093 0.00 75.7 324.9 Kerala 3662 0 36.7 -0.7207 0.00 Tamil Nadu 15155 189.4 869 0.00 Puducherry 424 0.0 0.00 114.0 Bihar 6299 0 127.8 2.5 458 1.31 -0.7 -43.0 Jharkhand 1564 0 30.2 23.1 -1.3 191 5.17 ER 132.7 63.1 427 6184 0 1.7 0.00 Odisha West Bengal 0 195.9 68.0 0.9 600 0.00 Sikkim 98 0 1.6 1.5 0.0 18 0.00 Arunachal Pradesh 136 0 1.9 0.2 0.00 2.6 2183 41.8 33.8 -0.2 179 0.00 2.7 5.7 Manipur 191 0 2.6 0.1 38 0.00 NER -0.1 Meghalaya 328 0.2 0.00 Mizoram 109 149 0.7 2.2 0.0 10 0.00 0 0.0 21 Nagaland 0.00 Tripura D. Transnational Exchanges (MU) - Import(+ve)/Export(-ve)

	Bhutan	Nepal	Bangladesh
Actual (MU)	41.0	8.6	-25.0
Day Peak (MW)	1847.0	364.0	-1080.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	153.3	-106.6	113.0	-149.0	-10.7	0.0
Actual(MU)	125.9	-107.9	133.1	-142.9	-10.6	-2.5
O/D/U/D(MU)	-27.5	-1.3	20.1	6.1	0.1	-2.5

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	4092	15666	7638	1565	309	29269	43
State Sector	7285	19584	8282	2873	120	38143	57
Total	11377	35249	15920	4438	429	67412	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	768	1048	506	594	17	2932	67
Lignite	27	11	59	0	0	97	2
Hydro	299	111	137	135	34	716	16
Nuclear	29	33	47	0	0	109	2
Gas, Naptha & Diesel	19	5	9	0	30	63	1
RES (Wind, Solar, Biomass & Others)	155	119	168	5	1	448	10
Total	1298	1327	925	734	81	4364	100
Share of RES in total generation (%)	11.97	8.96	18.20	0.62	0.77	10.26	
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation(%)	37.27	19.78	38.01	19.06	42.30	29.14	

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.040
Based on State Max Demands	1.076

Diversity factor = Sum of regional or state maximum demands / All India maximum demand

 $<sup>*</sup>Source: RLDCs \ for \ solar \ connected \ to \ ISTS; SLDCs \ for \ embedded \ solar. \ Limited \ visibility \ of \ embedded \ solar \ data.$ 

## INTER-REGIONAL EXCHANGES

Import=(+ve) /Export =(-ve) for NET (MU)
Date of Reporting: 30-Jul-2022

SI							Date of Reporting:	30-Jul-2022
31	Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
No	_		No. of Circuit	Max Import (MW)	Max Export (MW)	import (MC)	Export (MC)	NEI (MU)
	rt/Export of ER (							
1		ALIPURDUAR-AGRA	2	0	1001	0.0	25.2	-25.2
3		PUSAULI B/B GAYA-VARANASI	-	0 109	49 480	0.0	1.2 3.6	-1.2 -3.6
4		SASARAM-FATEHPUR	1	0	333	0.0	5.2	-5.2
5		GAYA-BALIA	1	Ö	499	0.0	6.9	-6.9
6		PUSAULI-VARANASI	1	7	53	0.0	0.4	-0.4
7	400 kV	PUSAULI -ALLAHABAD	1	0	64	0.0	0.8	-0.8
8		MUZAFFARPUR-GORAKHPUR	2	0	809	0.0	15.0	-15.0
9		PATNA-BALIA	2	27	603 612	0.0	10.1 9.4	-10.1 -9.4
10 11		NAUBATPUR-BALIA BIHARSHARIFF-BALIA	2	58	439	0.0	4.2	-9.4 -4.2
12		MOTIHARI-GORAKHPUR	2	0	446	0.0	7.8	-7.8
13		BIHARSHARIFF-VARANASI	2	14	196	0.0	1.7	-1.7
14	220 kV	SAHUPURI-KARAMNASA	1	0	131	0.0	2.4	-2.4
15		NAGAR UNTARI-RIHAND	1	0	0	0.0	0.0	0.0
16		GARWAH-RIHAND	1	25	0	0.4	0.0	0.4
17 18		KARMANASA-SAHUPURI	1	0	54	0.0	0.0	0.0
10	132 KV	KARMANASA-CHANDAULI	II	<u> </u>	ER-NR	0.0 0.4	93.9	0.0 -93.5
Impo	rt/Export of ER (	With WR)			DAT THE	0.4	,,,,	-93.3
1		JHARSUGUDA-DHARAMJAIGARH	4	629	0	21.7	0.0	21.7
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	646	709	1.8	0.0	1.8
3		JHARSUGUDA-DURG	2	0	314	0.0	3.4	-3.4
4			4	0	312	0.0	3.3	-3.3
		JHARSUGUDA-RAIGARH						
5		RANCHI-SIPAT	2	97	251	0.0	1.0	-1.0
6		BUDHIPADAR-RAIGARH	1	35	132	0.0	1.3	-1.3
7	220 kV	BUDHIPADAR-KORBA	2	123	60	0.7	0.0	0.7
Terror	ut/Erm out - PEP C	Wal CD)			ER-WR	24.2	8.9	15.3
Impo 1	rt/Export of ER (V	JEYPORE-GAZUWAKA B/B	2	591	668	1.5	0.0	1.5
2		TALCHER-KOLAR BIPOLE	2	591	2483	1.5 0.0	48.8	1.5 -48.8
3		ANGUL-SRIKAKULAM	2	0	3583	0.0	55.5	-55.5
4	400 kV	TALCHER-I/C	2	0	677	0.0	5.3	-5.3
5	220 kV	BALIMELA-UPPER-SILERRU	<u> 1</u>	2	0	0.0	0.0	0.0
			-	_	ER-SR	1.5	104.3	-102.8
	rt/Export of ER (							
1		BINAGURI-BONGAIGAON	2	0	300	0.0	3.5	-3.5
3		ALIPURDUAR-BONGAIGAON ALIPURDUAR-SALAKATI	2 2	116 4	267 67	0.0	1.2 0.8	-1.2 -0.8
3	220 K V	ALII URDUAK-SALAKAII	. 4		ER-NER	0.0	5.4	-0.8 -5.4
Impo	rt/Export of NER	(With NR)			ZX 1,EK	V.U		-3.7
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	704	0.0	17.1	-17.1
					NER-NR	0.0	17.1	-17.1
	rt/Export of WR (							
1		CHAMPA-KURUKSHETRA	2	0	325	0.0	7.5	-7.5
3		VINDHYACHAL B/B MUNDRA-MOHINDERGARH	2	440	0 310	12.2 0.0	0.0 3.1	12.2 -3.1
4		GWALIOR-AGRA	2	137	310 1197	0.0	15.9	-3.1 -15.7
5		GWALIOR-PHAGI	2	580	949	3.1	10.9	-13.7 -7.8
6		JABALPUR-ORAI	2	28	603	0.0	15.7	-15.7
7		GWALIOR-ORAI	1	522	95	7.1	0.1	7.0
8		SATNA-ORAI	1	0	859	0.0	17.6	-17.6
9		BANASKANTHA-CHITORGARH	2	1519	0	20.6	0.0	20.6
10		VINDHYACHAL-VARANASI	2	0	2246	0.0	37.6	-37.6
11 12		ZERDA-KANKROLI ZERDA -BHINMAL	1	387 810	0	5.7 12.5	0.0	5.7 12.5
13		VINDHYACHAL -RIHAND	1	953	0	21.9	0.0	21.9
14		RAPP-SHUJALPUR	2	574	143		0.5	4.9
15						5.4		
16		BHANPURA-RANPUR	1	0	0	5.4 0.0	0.0	0.0
17		BHANPURA-RANPUR BHANPURA-MORAK		0			0.0 2.1	
	220 kV 220 kV	BHANPURA-MORAK MEHGAON-AURAIYA		0 122	0 30 0	0.0 0.0 1.2	0.0 2.1 0.0	0.0 -2.1 1.2
18	220 kV 220 kV 220 kV	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA	1 1 1 1	0 122 88	0 30 0 0	0.0 0.0 1.2 1.9	0.0 2.1 0.0 0.0	0.0 -2.1 1.2 1.9
19	220 kV 220 kV 220 kV 132 kV	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR	1 1 1 1 1	0 122 88 0	0 30 0 0	0.0 0.0 1.2 1.9	0.0 2.1 0.0 0.0 0.0	0.0 -2.1 1.2 1.9 0.0
	220 kV 220 kV 220 kV 132 kV	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA	1 1 1 1	0 122 88	0 30 0 0 0	0.0 0.0 1.2 1.9 0.0	0.0 2.1 0.0 0.0 0.0 0.0	0.0 -2.1 1,2 1.9 0.0
19 20	220 kV 220 kV 220 kV 132 kV 132 kV	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR	1 1 1 1 1	0 122 88 0	0 30 0 0	0.0 0.0 1.2 1.9	0.0 2.1 0.0 0.0 0.0	0.0 -2.1 1.2 1.9 0.0
19 20	220 kV 220 kV 220 kV 132 kV 132 kV	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR	1 1 1 1 1	0 122 88 0	0 30 0 0 0	0.0 0.0 1.2 1.9 0.0	0.0 2.1 0.0 0.0 0.0 0.0 111.1	0.0 -2.1 1,2 1.9 0.0
19 20 Impo 1 2	220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR ( HVDC	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAAGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR	1 1 1 1 1 1 2	0 122 88 0 0	0 30 0 0 0 0 WR-NR	0.0 0.0 1.2 1.9 0.0 91.8	0.0 2.1 0.0 0.0 0.0 0.0 111.1	0.0 -2.1 1.2 1.9 0.0 0.0 -19.3  7.6 -39.3
19 20 Impo 1 2 3	220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR ( HVDC HVDC 765 kV	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAIGHUR	1 1 1 1 1 1 2	0 122 88 0 0 0	0 30 0 0 0 0 WR-NR	0.0 0.0 1.2 1.9 0.0 0.0 91.8 7.6 0.0	0.0 2.1 0.0 0.0 0.0 0.0 111.1 0.0 39.3 18.6	0.0 -2.1 1.2 1.9 0.0 0.0 -19.3 7.6 -39.3 -18.6
19 20 Impo 1 2 3 4	220 kV 220 kV 132 kV 132 kV 132 kV rt/Export of WR ( HVDC HVDC 765 kV 765 kV	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD	1 1 1 1 1 1 2 2	0 122 88 0 0 1 787 0 196	0 30 0 0 0 WR-NR 0 2999 2622 3524	0.0 0.0 1.2 1.9 0.0 0.0 91.8 7.6 0.0 0.0	0.0 2.1 0.0 0.0 0.0 0.0 111.1 0.0 39.3 18.6 49.2	0.0 -2.1 1.2 1.9 0.0 0.0 -19.3 7.6 -39.3 -18.6 -49.2
19 20 Impo 1 2 3 4 5	220 kV 220 kV 220 kV 132 kV 132 kV 142 kV 152 kV 152 kV 155 kV 165 kV 165 kV 165 kV 165 kV	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI	1 1 1 1 1 1 1 2	0 122 88 0 0 0 787 0 196 0 1401	0 30 0 0 0 0 WR-NR 0 2999 2622 3524 0	0.0 0.0 1.2 1.9 0.0 91.8 7.6 0.0 0.0 0.0 0.0	0.0 2.1 0.0 0.0 0.0 0.0 111.1 0.0 39.3 18.6 49.2 0.0	0.0 -2.1 1.2 1.9 0.0 0.0 -19.3 7.6 -39.3 -18.6 -49.2 -25.1
19 20 Impo 1 2 3 4 5	220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR ( HVDC 765 kV 765 kV 400 kV 220 kV	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA GWALLOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RALHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI	1 1 1 1 1 1 2 2	0 122 88 0 0 0 787 0 196 0 1401 0	0 30 0 0 0 WR-NR 0 2999 2622 3524 0	0.0 0.0 1.2 1.9 0.0 91.8 7.6 0.0 0.0 0.0 25.1	0.0 2.1 0.0 0.0 0.0 0.0 0.0 111.1 0.0 39.3 18.6 49.2 0.0	0.0 2.1 1.2 1.9 0.0 0.0 -19.3 7.6 -39.3 -18.6 -49.2 25.1 0.0
19 20 Impo 1 2 3 4 5	220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR ( HVDC HVDC 765 kV 400 kV 220 kV	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI	1 1 1 1 1 1 1 2	0 122 88 0 0 0 787 0 196 0 1401	0 30 0 0 0 WR-NR 0 2999 2622 3524 0 0	0.0 0.0 1.2 1.9 0.0 91.8 7.6 0.0 0.0 0.0 0.0	0.0 2.1 0.0 0.0 0.0 0.0 0.0 111.1 0.0 39.3 18.6 49.2 0.0 0.0 0.0	0.0 -2.1 1.2 1.9 0.0 0.0 -19.3 7.6 -39.3 -18.6 -49.2 -25.1
19 20 Impo 1 2 3 4 5	220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR ( HVDC HVDC 765 kV 400 kV 220 kV	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAIGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI	1 1 1 1 1 1 1 2	0 122 88 0 0 0 787 0 196 0 1401 0	0 30 0 0 0 WR-NR 0 2999 2622 3524 0	0.0 0.0 1.2 1.9 0.0 91.8 7.6 0.0 0.0 0.0 25.1	0.0 2.1 0.0 0.0 0.0 0.0 111.1 0.0 39.3 18.6 49.2 0.0 0.0	0.0 2.1 1.2 1.9 0.0 0.0 -19.3 7.6 -39.3 -18.6 -49.2 25.1 0.0
19 20 Impo 1 2 3 4 5	220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR ( HVDC HVDC 765 kV 400 kV 220 kV	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAAGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	1 1 1 1 1 1 1 2	0 122 88 0 0 787 0 196 0 0 1401 0 0	0 30 0 0 0 WR-NR 0 2999 2622 3524 0 0	0.0 0.0 1.2 1.9 0.0 0.0 91.8 7.6 0.0 0.0 0.0 25.1 0.0 0.0	0.0 2.1 0.0 0.0 0.0 0.0 111.1 0.0 39.3 18.6 49.2 0.0 0.0 0.0	0.0 2.1 1.2 1.9 0.0 0.0 0.0 1.9.3  7.6 -39.3 -18.6 -49.2 25.1 0.0 0.0 1.7 -72.7
19 20 Impo 1 2 3 4 5	220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR ( HVDC 765 kV 400 kV 220 kV 220 kV	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAAGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	1 1 1 1 1 1 1 1 1 1 1 1 1 1 2 2 1 2 2 2 2 2 2 2 2 2 2 2 1	0 122 88 0 0 787 0 196 0 1401 0 0 0 CHANGES	0 30 0 0 0 WR-NR 0 2999 2622 3524 0 0 0 97 WR-SR	0.0 0.0 1.2 1.9 0.0 0.0 91.8 7.6 0.0 0.0 0.0 0.0 0.0 0.0 1.7 34.4	0.0 2.1 0.0 0.0 0.0 0.0 111.1 0.0 39.3 18.6 49.2 0.0 0.0 0.0 0.0 107.1	0.0 -2.1 -1.2 -1.9 -0.0 -0.0 -19.3 -7.6 -39.3 -18.6 -49.2 -25.1 -0.0 -1.7 -72.7 -+ve)/Export(-ve)
19 20 Impo 1 2 3 4 5	220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR ( HVDC HVDC 765 kV 400 kV 220 kV	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAAGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	1	0 122 88 0 0 787 0 196 0 1401 0 0 0 CHANGES	0 30 0 0 0 WR-NR 0 2999 2622 3524 0 0	0.0 0.0 1.2 1.9 0.0 0.0 91.8 7.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.7	0.0 2.1 0.0 0.0 0.0 0.0 111.1 0.0 39.3 18.6 49.2 0.0 0.0 0.0	0.0 2.1 1.2 1.9 0.0 0.0 0.0 1.9.3 7.6 3.9.3 1.8.6 4.9.2 2.5.1 0.0 0.0 1.7 -72.7 +ve)/Export(-ve) Energy Exchange
19 20 Impo 1 2 3 4 5	220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR ( HVDC 765 kV 400 kV 220 kV 220 kV	BHANPURA-MORAK MEHGAON-AURAIYA 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	1	0 122 88 0 0 787 0 196 0 1401 0 0 0 CHANGES	0 30 0 0 0 WR-NR 0 2999 26022 3524 0 0 0 WR-SR	0.0 0.0 1.2 1.9 0.0 0.0 91.8 7.6 0.0 0.0 0.0 25.1 0.0 0.0 0.0 34.4 Min (MW)	0.0 2.1 0.0 0.0 0.0 0.0 0.0 111.1 0.0 39.3 18.6 49.2 0.0 0.0 0.0 107.1 Import	0.0 2.1 1.2 1.9 0.0 0.0 0.0 1.9.3 7.6 3.9.3 1.8.6 4.9.2 2.5.1 0.0 0.0 1.7 -72.7 +ve)/Export(-ve) Energy Exchange
19 20 Impo 1 2 3 4 5	220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR ( HVDC 765 kV 400 kV 220 kV 220 kV	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAAGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	1	0 122 88 0 0 787 0 196 1401 0 0 CHANGES Name U-ALIPURDUAR AR RECEIFT (from	0 30 0 0 0 WR-NR 0 2999 2622 3524 0 0 0 97 WR-SR	0.0 0.0 1.2 1.9 0.0 0.0 91.8 7.6 0.0 0.0 0.0 0.0 0.0 0.0 1.7 34.4	0.0 2.1 0.0 0.0 0.0 0.0 111.1 0.0 39.3 18.6 49.2 0.0 0.0 0.0 0.0 107.1	0.0 2.1 1.2 1.9 0.0 0.0 0.0 1.9.3 7.6 3.9.3 1.8.6 4.9.2 2.5.1 0.0 0.0 1.7 -72.7 +ve)/Export(-ve) Energy Exchange
19 20 Impo 1 2 3 4 5	220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR ( HVDC 765 kV 400 kV 220 kV 220 kV	BHANPURA-MORAK MEHGAON-AURAIYA 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	- 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 122 122 88 88 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 30 0 0 0 WR-NR 0 2999 26022 3524 0 0 0 WR-SR	0.0 0.0 1.2 1.9 0.0 0.0 91.8 7.6 0.0 0.0 0.0 25.1 0.0 0.0 0.0 34.4 Min (MW)	0.0 2.1 0.0 0.0 0.0 0.0 0.0 111.1 0.0 39.3 18.6 49.2 0.0 0.0 0.0 107.1 Import	0.0 2.1 1.2 1.9 0.0 0.0 0.0 1.9.3 7.6 3.9.3 1.8.6 4.9.2 2.5.1 0.0 0.0 1.7 -72.7 +ve)/Export(-ve) Energy Exchange
19 20 Impo 1 2 3 4 5	220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR ( HVDC 765 kV 400 kV 220 kV 220 kV	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAAGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-AUBANDI XELDEM-AMBEWADI IN Region ER	1	0 122 88 88 0 0 787 0 196 0 14401 0 0 CHANGES Name U-ALIPURDUAR AR RECEIPT (from \$\frac{1}{2}\$180MW) URI 12,4 (\$\frac{1}{2}\$400W)	0 30 0 0 WR-NR 0 2999 2622 3524 0 0 0 97 WR-SR	0.0 0.0 1.2 1.9 0.0 0.0 91.8 7.6 0.0 0.0 0.0 0.0 1.7 34.4 Min (MW)	0.0 2.1 0.0 0.0 0.0 0.0 0.0 111.1 0.0 39.3 18.6 49.2 0.0 0.0 0.0 107.1 Import	0.0 2.1 1.2 1.9 0.0 0.0 0.0 19.3 -39.3 -18.6 -49.2 25.1 0.0 0.0 1.7 -7.27 +ve//Export(-ve) Energy Exchange (MII)
19 20 Impo 1 2 3 4 5	220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR ( HVDC 765 kV 400 kV 220 kV 220 kV	BHANPURA-MORAK MEHGAON-AURAIYA 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	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 122 88 88 0 0 787 0 196 0 14401 0 0 CHANGES Name RU-ALIPURDUAR AR RECEIPT (from \$\frac{1}{2}\$180HW) URI 12,4 (\$\frac{4}{2}\$40eV) RI 12,6 (\$\frac{4}{2}\$40eV)	0 30 0 0 0 WR-NR 0 2999 26022 3524 0 0 0 WR-SR	0.0 0.0 1.2 1.9 0.0 0.0 91.8 7.6 0.0 0.0 0.0 25.1 0.0 0.0 0.0 34.4 Min (MW)	0.0 2.1 0.0 0.0 0.0 0.0 111.1 0.0 39.3 18.6 49.2 0.0 0.0 0.0 107.1 Imports  Avg (MW)	0.0 2.1 1.2 1.9 0.0 0.0 0.0 1.9.3 7.6 3.9.3 1.8.6 4.9.2 2.5.1 0.0 0.0 1.7 -72.7 +ve)/Export(-ve) Energy Exchange
19 20 Impo 1 2 3 4 5	220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR ( HVDC 765 kV 765 kV 220 kV 220 kV 220 kV	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI  XELDEM-AMBEWADI  IN Region  ER		0 122 88 0 0 787 0 196 0 196 0 1401 0 0 CHANGES Name U-ALIPURDUAR AR RECEIPT (from 4*180MW) VIRI 1,2,4 (8*400KV) RIVIA,2 (4*400KV) RIVIA,3	0 30 0 0 0 0 WR-NR 0 2999 2602 3524 0 0 0 0 WR-SR	0.0 0.0 1.2 1.9 0.0 0.0 91.8 7.6 0.0 0.0 0.0 25.1 0.0 0.0 0.0 34.4 Min (MW)	0.0 2.1 0.0 0.0 0.0 0.0 0.0 111.1 0.0 39.3 18.6 49.2 0.0 0.0 107.1 Import Avg (MW) 592	0.0 -2.1 -1.2 -1.9 -0.0 -0.0 -1.9,3 -7.6 -39,3 -18.6 -49,2 -25,1 -0.0 -0.0 -1.7,7 -72,7 -+ve)/Export(-ve) Energy Exchange (MII)
19 20 Impo 1 2 3 4 5	220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR ( HVDC 765 kV 400 kV 220 kV 220 kV	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAAGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-AUBANDI XELDEM-AMBEWADI IN Region ER	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 122 88 88 0 0 1787 0 196 0 1401 0 0 1401 0 0 CHANGES Name AR RECEIPT (from 4780MW) (RI) i.e. BINAGURI A HEP (6410MW) PARA I AE2 (& 220kV	0 30 0 0 WR-NR 0 2999 2622 3524 0 0 0 97 WR-SR	0.0 0.0 1.2 1.9 0.0 0.0 91.8 7.6 0.0 0.0 0.0 0.0 1.7 34.4 Min (MW)	0.0 2.1 0.0 0.0 0.0 0.0 111.1 0.0 39.3 18.6 49.2 0.0 0.0 0.0 107.1 Imports  Avg (MW)	0.0 2.1 1.2 1.9 0.0 0.0 0.0 19.3 -39.3 -18.6 -49.2 25.1 0.0 0.0 1.7 -7.27 +ve//Export(-ve) Energy Exchange (MII)
19 20 Impo 1 2 3 4 5	220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR ( HVDC 765 kV 765 kV 220 kV 220 kV 220 kV	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI  XELDEM-AMBEWADI  IN Region  ER		0 122 88 88 0 0 1787 0 196 0 1401 0 0 1401 0 0 CHANGES Name AR RECEIPT (from 4780MW) (RI) i.e. BINAGURI A HEP (6410MW) PARA I AE2 (& 220kV	0 30 0 0 0 0 WR-NR 0 2999 2602 3524 0 0 0 0 WR-SR	0.0 0.0 1.2 1.9 0.0 0.0 91.8 7.6 0.0 0.0 0.0 25.1 0.0 0.0 0.0 34.4 Min (MW)	0.0 2.1 0.0 0.0 0.0 0.0 0.0 111.1 0.0 39.3 18.6 49.2 0.0 0.0 107.1 Import Avg (MW) 592	0.0 -2.1 -1.2 -1.9 -0.0 -0.0 -1.9,3 -7.6 -39,3 -18.6 -49,2 -25,1 -0.0 -0.0 -1.7,7 -72,7 -+ve)/Export(-ve) Energy Exchange (MII)
19 20 Impo 1 2 3 4 5	220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR ( HVDC 765 kV 765 kV 220 kV 220 kV 220 kV	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAAGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region  ER  ER	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 122 88 88 0 0 787 0 196 0 1401 0 1401 0 0 CHANGES Name AR RECEIPT (from \$\frac{4}{2}\$180 HZ) (\$\frac{4}{2}\$0 HZ) (\$\frac{4}{2}\$180	0 30 0 0 0 WR-NR 0 2999 2622 3524 0 0 0 97 WR-SR Max (MW)	0.0 0.0 1.2 1.2 1.9 0.0 0.0 91.8 7.6 0.0 0.0 0.0 2.5.1 0.0 0.0 1.7 34.4  Min (MW) 587	0.0 2.1 0.0 0.0 0.0 0.0 0.0 111.1 0.0 39.3 18.6 49.2 0.0 0.0 107.1 Import Avg (MW) 592	0.0 2.1 1.2 1.9 0.0 0.0 0.0 -19,3 -18.6 -39.3 -18.6 -49.2 25.1 0.0 0.0 1.7 -72.7 +ve)/Export(-ve) Energy Exchange (MII) 14.2 23.8
19 20 Impo 1 2 3 4 5	220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR ( HVDC 765 kV 765 kV 220 kV 220 kV 220 kV	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI  XELDEM-AMBEWADI  IN Region  ER	1	0 122 88 88 0 0 787 0 196 0 1401 0 1401 0 0 CHANGES Name AR RECEIPT (from \$\frac{4}{2}\$180 HZ) (\$\frac{4}{2}\$0 HZ) (\$\frac{4}{2}\$180	0 30 0 0 0 0 WR-NR 0 2999 2602 3524 0 0 0 0 WR-SR	0.0 0.0 1.2 1.9 0.0 0.0 91.8 7.6 0.0 0.0 0.0 25.1 0.0 0.0 0.0 34.4 Min (MW)	0.0 2.1 0.0 0.0 0.0 0.0 0.0 111.1 0.0 39.3 18.6 49.2 0.0 0.0 107.1 Import Avg (MW) 592	0.0 -2.1 -1.2 -1.9 -0.0 -0.0 -1.9,3 -7.6 -39,3 -18.6 -49,2 -25,1 -0.0 -0.0 -1.7,7 -72,7 -+ve)/Export(-ve) Energy Exchange (MII)
19 20 Impo 1 2 3 4 5	220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR ( HVDC 765 kV 765 kV 220 kV 220 kV 220 kV	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGABH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI  IN Region  ER  ER  ER	1	0 122 88 0 0 787 0 196 0 196 0 1401 0 0 CHANGES Name RU-ALIPURDUAR AR RECEIPT (from \$4*180MW) URI 1,2,4 (8. 400kV) JRI) i.e. BINAGURI A HEP (6-170MW) PARA 182 (8. 220kV A) i.e. BIRPARA KHA HEP 4*84MW) LAKATI	0 30 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.0 0.0 1.2 1.9 0.0 0.0 91.8 7.6 0.0 0.0 0.0 0.0 0.0 1.7 34.4 Min (MW) 587	0.0 2.1 0.0 0.0 0.0 0.0 0.0 111.1 0.0 39.3 18.6 49.2 0.0 0.0 107.1 Import Avg (MW) 592 993	0.0 -2.1 -1.2 -1.9 -0.0 -0.0 -1.9.3 -7.6 -39.3 -18.6 -49.2 -2.5.1 -0.0 -1.7 -72.7 -+ve)/Export(-ve) Energy Exchange (MII)
19 20 Impo 1 2 3 4 5	220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR ( HVDC 765 kV 765 kV 220 kV 220 kV 220 kV	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAAGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region  ER  ER	1	0 122 88 0 0 787 0 196 0 196 0 1401 0 0 CHANGES Name RU-ALIPURDUAR AR RECEIPT (from \$4*180MW) URI 1,2,4 (8. 400kV) JRI) i.e. BINAGURI A HEP (6-170MW) PARA 182 (8. 220kV A) i.e. BIRPARA KHA HEP 4*84MW) LAKATI	0 30 0 0 0 WR-NR 0 2999 2622 3524 0 0 0 97 WR-SR Max (MW)	0.0 0.0 1.2 1.2 1.9 0.0 0.0 91.8 7.6 0.0 0.0 0.0 2.5.1 0.0 0.0 1.7 34.4  Min (MW) 587	0.0 2.1 0.0 0.0 0.0 0.0 0.0 111.1 0.0 39.3 18.6 49.2 0.0 0.0 107.1 Import Avg (MW) 592	0.0 2.1 1.2 1.9 0.0 0.0 0.0 -19,3 -18.6 -39.3 -18.6 -49.2 25.1 0.0 0.0 1.7 -72.7 +ve)/Export(-ve) Energy Exchange (MII) 14.2 23.8
19 20 Impo 1 2 3 4 5	220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR ( HVDC 765 kV 765 kV 220 kV 220 kV 220 kV	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGABH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI  IN Region  ER  ER  ER	TERNATIONAL EX  2 2 2 2 2 2 2 2 1 1 1 1 1 2 2 2 2 2 2	0 122 88 0 0 787 0 196 0 1401 0 0 14401 0 0 CHANGES Name AR RECEIPT (from \$\frac{1}{2}\$ HOMEY) RELIGIAL (\$\frac{1}{2}\$ 400 HOW A HOMEY	0 30 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.0 0.0 1.2 1.9 0.0 0.0 91.8 7.6 0.0 0.0 0.0 0.0 0.0 1.7 34.4 Min (MW) 587	0.0 2.1 0.0 0.0 0.0 0.0 0.0 111.1 0.0 39.3 18.6 49.2 0.0 0.0 107.1 Import Avg (MW) 592 993	0.0 -2.1 -1.2 -1.9 -0.0 -0.0 -1.9.3 -7.6 -39.3 -18.6 -49.2 -2.5.1 -0.0 -1.7 -72.7 -+ve)/Export(-ve) Energy Exchange (MII)
19 20 Impo 1 2 3 4 5	220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR ( HVDC 765 kV 765 kV 220 kV 220 kV 220 kV	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGABH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI  IN Region  ER  ER  ER		0 122 88 0 0 787 0 196 0 1401 0 0 14401 0 0 CHANGES Name AR RECEIPT (from \$\frac{1}{2}\$ HOMEY) RELIGIAL (\$\frac{1}{2}\$ 400 HOW A HOMEY	0 30 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.0 0.0 1.2 1.9 0.0 0.0 91.8 7.6 0.0 0.0 0.0 0.0 0.0 1.7 34.4 Min (MW) 587	0.0 2.1 0.0 0.0 0.0 0.0 0.0 111.1 0.0 39.3 18.6 49.2 0.0 0.0 107.1 Import Avg (MW) 592 993	0.0 2.1 1.2 1.9 0.0 0.0 0.0 1.9.3 7.6 3.9.3 1.8.6 4.9.2 25.1 0.0 0.0 1.7 -72.7 +ve)/Export(-ve) Energy Exchange (MII) 14.2 23.8 4.1
19 20 Impo 1 2 3 4 5	220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR ( HVDC 765 kV 765 kV 220 kV 220 kV 220 kV	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAIGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER ER  ER  NER	TERNATIONAL EX  2 2 2 2 2 2 2 2 1 1 1 1 1 2 2 2 2 2 2	0 122 88 0 0 787 0 196 0 1401 0 0 14401 0 0 CHANGES Name AR RECEIPT (from \$\frac{1}{2}\$ How Girl 12,4 (\$\frac{1}{2}\$ Adole Virght 12,5 (\$\frac{1}{2}\$ Adole Virght 14,5 (\$\frac{1}{2}\$ Adole Virght 14	0 30 0 0 0 WR-NR 0 2999 2622 3524 0 0 0 WR-SR Max (MW) 622 1007	0.0 0.0 1.2 1.2 1.9 0.0 0.0 91.8 7.6 0.0 0.0 0.0 2.5.1 0.0 0.0 1.7 34.4  Min (MW)  \$87	0.0 2.1 0.0 0.0 0.0 0.0 0.0 111.1 0.0 39.3 18.6 49.2 0.0 0.0 107.1 Import Avg (MW) 592 993 173	0.0 -2.1 -1.2 -1.9 -0.0 -0.0 -1.9.3 -7.6 -39.3 -18.6 -49.2 -2.5.1 -0.0 -1.7 -72.7 -+ve)/Export(-ve) Energy Exchange (MII)
19 20 Impo 1 2 3 4 5	220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR ( HVDC 765 kV 400 kV 220 kV 220 kV State	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAIGHAT-LALITPUR With SR) BHADRAWATI B/B BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER  ER  NER	1	0 122 88 0 0 787 0 196 196 0 1401 0 0 14401 0 0 CHANGES Name RU-ALIPURDUAR AR RECEIPT (from \$\frac{1}{2}\$ HONGURI AHP (\$\frac{1}{2}\$ HONGURI AHP (\$\frac{1}{	0 30 0 0 0 0 WR-NR 0 2999 2622 3524 0 0 0 97 WR-SR   Max (MW) 622 1007 199 26	0.0 0.0 1.2 1.9 0.0 0.0 91.8 7.6 0.0 0.0 0.0 0.0 0.0 1.7 34.4 Min (MW) 587	0.0 2.1 0.0 0.0 0.0 0.0 0.0 111.1 0.0 39.3 18.6 49.2 0.0 0.0 0.0 107.1 Import Avg (MW) 592 993 173 12	0.0 -2.1 -1.2 -1.9 -0.0 -0.0 -1.9.3 -7.6 -39.3 -18.6 -49.2 -25.1 -0.0 -1.7 -72.7 -+ve)/Export(-ve) Energy Exchange (MU) -14.2 -23.8 -4.1 -0.3 -0.8 -0.4
19 20 Impo 1 2 3 4 5	220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR ( HVDC 765 kV 765 kV 220 kV 220 kV 220 kV	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAIGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER ER  ER  NER		0 122 88 0 0 787 0 196 196 0 1401 0 0 14401 0 0 CHANGES Name RU-ALIPURDUAR AR RECEIPT (from \$\frac{1}{2}\$ HONGURI AHP (\$\frac{1}{2}\$ HONGURI AHP (\$\frac{1}{	0 30 0 0 0 WR-NR 0 2999 2622 3524 0 0 0 WR-SR Max (MW) 622 1007	0.0 0.0 1.2 1.2 1.9 0.0 0.0 91.8 7.6 0.0 0.0 0.0 2.5.1 0.0 0.0 1.7 34.4  Min (MW)  \$87	0.0 2.1 0.0 0.0 0.0 0.0 0.0 111.1 0.0 39.3 18.6 49.2 0.0 0.0 107.1 Import Avg (MW) 592 993 173	0.0 2.1 1.2 1.9 0.0 0.0 0.0 1.9.3 7.6 3.9.3 1.8.6 4.9.2 25.1 0.0 0.0 1.7 -72.7 +ve)/Export(-ve) Energy Exchange (MII) 14.2 23.8 4.1
19 20 Impo 1 2 3 4 5	220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR ( HVDC 765 kV 400 kV 220 kV 220 kV State	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAIGHAT-LALITPUR With SR) BHADRAWATI B/B BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER  ER  NER	1	0 122 88 0 0 787 0 196 196 0 1401 0 0 14401 0 0 CHANGES Name RU-ALIPURDUAR AR RECEIPT (from \$\frac{1}{2}\$ HONGURI AHP (\$\frac{1}{2}\$ HONGURI AHP (\$\frac{1}{	0 30 0 0 0 0 WR-NR 0 2999 2622 3524 0 0 0 97 WR-SR   Max (MW) 622 1007 199 26	0.0 0.0 1.2 1.9 0.0 0.0 91.8 7.6 0.0 0.0 0.0 0.0 0.0 1.7 34.4 Min (MW) 587	0.0 2.1 0.0 0.0 0.0 0.0 0.0 111.1 0.0 39.3 18.6 49.2 0.0 0.0 0.0 107.1 Import Avg (MW) 592 993 173 12	0.0 -2.1 -1.2 -1.9 -0.0 -0.0 -1.9.3 -7.6 -39.3 -18.6 -49.2 -25.1 -0.0 -1.7 -72.7 +ve)/Export(-ve) Energy Exchange (MII) -14.2 -23.8 -4.1 -6.3 -6.8 -6.4
19 20 Impo 1 2 3 4 5	220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR ( HVDC 765 kV 400 kV 220 kV 220 kV 220 kV	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAIGHAT-LALITPUR With SR) BHADRAWATI B/B BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER  ER  NER	TI  II  II  II  II  II  II  II  II  II	0 122 88 0 0 787 0 196 196 0 1401 0 0 14401 0 0 CHANGES Name RU-ALIPURDUAR AR RECEIPT (from \$\frac{1}{2}\$ HONGURI AHP (\$\frac{1}{2}\$ HONGURI AHP (\$\frac{1}{	0 30 0 0 0 0 WR-NR 0 2999 2622 3524 0 0 0 97 WR-SR   Max (MW) 622 1007 199 26	0.0 0.0 1.2 1.9 0.0 0.0 91.8 7.6 0.0 0.0 0.0 0.0 0.0 1.7 34.4 Min (MW) 587	0.0 2.1 0.0 0.0 0.0 0.0 0.0 111.1 0.0 39.3 18.6 49.2 0.0 0.0 0.0 107.1 Import Avg (MW) 592 993 173 12	0.0 -2.1 -1.2 -1.9 -0.0 -0.0 -1.9.3 -7.6 -39.3 -18.6 -49.2 -25.1 -0.0 -1.7 -72.7 +ve)/Export(-ve) Energy Exchange (MII) -14.2 -23.8 -4.1 -6.3 -6.8 -6.4
19 20 Impo 1 2 3 4 5	220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR ( HVDC 765 kV 400 kV 220 kV 220 kV 220 kV	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-HIKODI PONDA-AMBEWADI IN Region  ER  ER  NR ER  NER	TI  II  II  II  II  II  II  II  II  II	0 122 88 0 0 787 0 1787 0 196 0 196 0 1401 0 0 1401 0 0 CHANGES Name IC-ALIPURDUAR AR RECEIPT (from \$2180MW) UR1 1,2,4 (& 400KV) RI) I.E. BINAGURI AR IR2 (& 220KV A) I.E. BIRFARAR KHA HEP 4*84MW) LAKATI ANGIA	0 30 0 0 0 0 WR-NR 0 29999 26622 3524 0 0 0 WR-SR  Max (MW) 622 1007 199 26 49 -51	0.0 0.0 1.2 1.2 1.9 0.0 0.0 91.8 7.6 0.0 0.0 92.8 7.6 0.0 0.0 1.7 34.4  Min (MW)  \$887	0.0 2.1 0.0 0.0 0.0 0.0 0.0 0.0 111.1 0.0 39.3 18.6 49.2 0.0 0.0 0.0 107.1 Import Avg (MW) 592 993 173 12 35	0.0 2.1 1.2 1.9 0.0 0.0 0.0 1.9.3 7.6 3.9.3 1.8.6 4.9.2 2.5.1 0.0 0.0 1.7 -72.7 +ve)/Export(-ve) Energy Exchange (MII) 14.2 23.8 4.1 0.3 0.8 -0.4
19 20 Impo 1 2 3 4 5	220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR ( HVDC 765 kV 400 kV 220 kV 220 kV 220 kV	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAJGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI  IN  Region  ER  ER  NER  NER  NER  NER  NER	1	0 122 88 0 0 787 0 196 0 1401 0 0 14401 0 0 0 CHANGES Name AR RECEIPT (from \$\frac{1}{2}\$ 180 HZ (\$\frac{1}{2}\$ 20 HZ (\$\frac{1}{2}\$ 20 HZ (\$\frac{1}{2}\$ 30 HZ (\$\frac{1}{2}\$ 40	0 30 0 0 0 0 WR-NR 0 2999 26622 3524 0 0 0 97 WR-SR  Max (MW) 622 1007 199 26 49 -51	0.0 0.0 1.2 1.9 0.0 0.0 91.8 7.6 0.0 0.0 0.0 0.0 1.7 34.4  Min (MW)  587  0  1	0.0 2.1 0.0 0.0 0.0 0.0 0.0 0.0 111.1 0.0 39.3 18.6 49.2 0.0 0.0 107.1 Import Avg (MW)  592  993  173  12  35 -16	0.0 -2.1 -1.2 -1.9 -0.0 -0.0 -1.9.3 -7.6 -39.3 -18.6 -49.2 -25.1 -0.0 -1.7 -72.7 -+ve)/Export(-ve) Energy Exchange (MII)
19 20 Impo 1 2 3 4 5	220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR ( HVDC 765 kV 400 kV 220 kV 220 kV 220 kV	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-HIKODI PONDA-AMBEWADI IN Region  ER  ER  NR ER  NER	1	0 122 88 0 0 787 0 1787 0 196 0 196 0 1401 0 0 1401 0 0 CHANGES Name IC-ALIPURDUAR AR RECEIPT (from \$2180MW) UR1 1,2,4 (& 400KV) RI) I.E. BINAGURI AR IR2 (& 220KV A) I.E. BIRFARAR KHA HEP 4*84MW) LAKATI ANGIA	0 30 0 0 0 0 WR-NR 0 29999 26622 3524 0 0 0 WR-SR  Max (MW) 622 1007 199 26 49 -51	0.0 0.0 1.2 1.2 1.9 0.0 0.0 91.8 7.6 0.0 0.0 92.8 7.6 0.0 0.0 1.7 34.4  Min (MW)  \$887	0.0 2.1 0.0 0.0 0.0 0.0 0.0 0.0 111.1 0.0 39.3 18.6 49.2 0.0 0.0 0.0 107.1 Import Avg (MW) 592 993 173 12 35	0.0 2.1 1.2 1.9 0.0 0.0 0.0 1.9.3 7.6 3.9.3 1.8.6 4.9.2 2.5.1 0.0 0.0 1.7 -72.7 +ve)/Export(-ve) Energy Exchange (MII) 14.2 23.8 4.1 0.3 0.8 -0.4
19 20 Impo 1 2 3 4 5	220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR ( HVDC 765 kV 400 kV 220 kV 220 kV 220 kV	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAJGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI  IN  Region  ER  ER  NER  NER  NER  NER  NER	1	0 122 88 0 0 787 0 1787 0 196 0 1401 0 0 1401 0 0 1401 0 0 CHANGES Name 0 CHANGES Name 11.24(18.400K) RIP (18.400K) RIR 12.4 (18.400K) RIR 13.4 (18.400K) RIR 14.4 (1	0 30 0 0 0 0 WR-NR 0 2999 26622 3524 0 0 0 97 WR-SR  Max (MW) 622 1007 199 26 49 -51	0.0 0.0 1.2 1.9 0.0 0.0 91.8 7.6 0.0 0.0 0.0 0.0 1.7 34.4  Min (MW)  587  0  1	0.0 2.1 0.0 0.0 0.0 0.0 0.0 0.0 111.1 0.0 39.3 18.6 49.2 0.0 0.0 107.1 Import Avg (MW)  592  993  173  12  35 -16	0.0 -2.1 -1.2 -1.9 -0.0 -0.0 -1.9.3 -7.6 -39.3 -18.6 -49.2 -25.1 -0.0 -1.7 -72.7 -+ve)/Export(-ve) Energy Exchange (MII)
19 20 Impe 1 2 3 4 5 6 7 8 8	220 kV 220 kV 220 kV 132 kV 132 kV rt/Export of WR ( HVDC 765 kV 400 kV 220 kV 220 kV 220 kV	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAJGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI  IN  Region  ER  ER  NER  NER  NER  NER  NER	1	0 122 88 0 0 787 0 1787 0 196 0 1401 0 0 1401 0 0 1401 0 0 CHANGES Name 0 CHANGES Name 11.24(18.400K) RIP (18.400K) RIR 12.4 (18.400K) RIR 13.4 (18.400K) RIR 14.4 (1	0 30 0 0 0 0 WR-NR 0 2999 26622 3524 0 0 0 97 WR-SR  Max (MW) 622 1007 199 26 49 -51	0.0 0.0 1.2 1.9 0.0 0.0 91.8 7.6 0.0 0.0 0.0 0.0 1.7 34.4  Min (MW)  587  0  1	0.0 2.1 0.0 0.0 0.0 0.0 0.0 0.0 111.1 0.0 39.3 18.6 49.2 0.0 0.0 107.1 Import Avg (MW)  592  993  173  12  35 -16	0.0 -2.1 -1.2 -1.9 -0.0 -0.0 -1.9.3 -7.6 -39.3 -18.6 -49.2 -25.1 -0.0 -1.7 -72.7 -+ve)/Export(-ve) Energy Exchange (MI) -14.2 -23.8 -4.1 -6.3 -6.4 -6.4 -6.0 -9.0
19 20 Impe 1 2 3 4 5 6 7 8 8	220 kV 220 kV 132 kV 132 kV 132 kV rt/Export of WR ( HVDC 765 kV 400 kV 220 kV 220 kV State	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-HKODI PONDA-AMBEWADI  IN Region  ER  ER  NER  ER  NER  NER  NER  NER	1	0 122 88 0 0 787 0 1787 0 196 0 1401 0 0 1401 0 0 1401 0 0 CHANGES Name 0 CHANGES Name 11.24(18.400K) RIP (18.400K) RIR 12.4 (18.400K) RIR 13.4 (18.400K) RIR 14.4 (1	0 30 0 0 0 0 0 WR-NR 0 29999 26622 3524 0 0 0 97 WR-SR   Max (MW) 622  1007 199 26 49 -51 0 415	0.0 0.0 1.2 1.2 1.9 0.0 0.0 91.8 7.6 0.0 0.0 0.0 0.0 25.1 0.0 0.0 1.7 34.4  Min (MW)  \$87  0  1  0  0  1  0  1  0  1  0  1  1  0  1  1	0.0 2.1 0.0 0.0 0.0 0.0 0.0 0.0 111.1 0.0 39.3 18.6 49.2 0.0 0.0 0.0 107.1 Import Avg (MW)  592  993  173  12  35  -16  0  373 -888	0.0 -2.1 -1.2 -1.9 -0.0 -0.0 -1.9,3 -7.6 -39,3 -18.6 -49,2 -25.1 -0.0 -0.0 -1.7 -72.7 -+ve)/Export(-ve) Energy Exchange (MU)