

# National Load Despatch Centre राष्ट्रीय भार प्रेषण केंद्र

# POWER SYSTEM OPERATION CORPORATION LIMITED पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड

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

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दिनांक: 13<sup>th</sup> Jan 2022

Ref: POSOCO/NLDC/SO/Daily PSP Report

To,

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

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

Sub: Daily PSP Report for the date 12.01.2022.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 12-जनवरी-2022 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रा॰भा॰प्रे॰के॰ की वेबसाइट पर उप्लब्ध है |

As per article 5.5.1 of the Indian Electricity Grid Code, the daily report pertaining power supply position of All India Power System for the date 12<sup>th</sup> January 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: 13-Jan-2022 NR WR SR ER NER TOTAL Demand Met during Evening Peak hrs(MW) (at 19:00 hrs; from RLDCs) 51929 41592 Peak Shortage (MW) 450 O 210 660 Energy Met (MU) 992 1167 983 378 44 3564 98 29 95 23 9 255 Wind Gen (MU) Solar Gen (MU)\* 108 18 3.88 0.15 66.47 39.26 87.27 197 Energy Shortage (MU) 6.25 0.00 1.02 3.13 0.00 10.40 Maximum Demand Met During the Day (MW) (From NLDC SCADA)
Time Of Maximum Demand Met (From NLDC SCADA) 19444 52618 58083 49831 2689 177687 18:36 10:28 18:05 B. Frequency Profile (%) < 49.7 49.7 - 49.8 49.8 - 49.9 49.9 - 50.05 < 49.9 > 50.05 Region All India 0.030 0.00 73.49 C. Power Supply Position in States Max.Demand Energy Met )D(+)/UD(-Shortage during Drawal Max OD Energy Region States Met during the maximu Schedule (MU) (MU) (MW) (MU) dav(MW) Demand(MW) (MU) 122.7 Punjab 201 Haryana 6324 119.4 63.8 0.6 140 0.00 Rajasthan 13584 240.6 67.2 540 1.6 0.00 73.1 297.8 Delhi 4615 63.0 NR 17557 85.4 UP 0 -1.8 116 0.00 Uttarakhand 2160 1921 2719 26.5 55.0 нР 0 34.8 0.4 337 0.00 J&K(UT) & Ladakh(UT) 250 58.4 106 4.65 Chandigarh 247 4.0 4.1 -0.1 0.00 Chhattisgarh 3618 0 76.1 25.5 -0.7 201 0.00 Gujarat 16237 345.1 169.3 129.7 139.1 MP 10896 209.6 -1.1 445 0.00 wr Maharashtra 24590 947 482.0 0.00 -4.6 Goa 567 314 0 11.3 10.5 0.2 0.00 DD 0 7.1 7.0 0.0 28 0.00DNH 19.4 19.2 0.00 AMNSIL 776 16.7 10.5 -0.6 281 0.00 10119 Andhra Pradesh 187.3 94.5 1.02 1.4 625 Telangana 9188 177.7 68.4 626 0.00 SR 222.6 12376 0 80.5 0.8 Karnataka 845 0.00 Kerala Tamil Nadu 14807 310.9 183.9 1.4 705 0.00 Puducherry 378 7.8 67.9 -38.4 Bihar 4436 -0.9 373 0.00 DVC 3107 66.5 -0.9 623 2.05 Jharkhand 1521 29.0 20.5 -0.8 1.08 ER Odisha 4962 88.1 45.2 -0.3 501 0.00 West Bengal 6295 114.5 1.7 2.5 Sikkim 115 0.1 0.00 Arunachal Pradesh 2.4 146 0 0.00 -0.2 38 Assam 1448 0 23.9 19.0 -0.4 0.00 Manipur 240 0 3.2 -0.3 0.00 NER 5.8 0.00 Meghalaya Mizoram 132 1.9 1.6 -0.2 18 0.00 144 0.2 0.00 **Nagaland** 2.1 0.00 D. Transnational Exchanges (MU) - Import(+ve)/Export(-ve) Bhutan Nepal -8.4 Bangladesh -13.0 Actual (MU) Day Peak (MW) 114.0 -596.0 E. Import/Export by Regions (in MU) - Import(+ve)/Export(-ve); OD(+)/UD(-)

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	205.2	-185.7	123.8	-146.6	3.3	0.0
Actual(MU)	199.1	-200.0	141.5	-147.9	2.9	-4.4
O/D/U/D(MU)	-6.1	-14.4	17.7	-1.3	-0.3	-4.4

#### F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	7834	13153	5772	1960	759	29478	41
State Sector	10760	17959	10896	3558	11	43183	59
Total	18594	31111	16668	5518	770	72661	100
	10071	U1111	10000	2210	770	72001	100

### G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	557	1183	512	533	8	2794	76
Lignite	25	14	32	0	0	72	2
Hydro	98	29	95	23	9	255	7
Nuclear	28	21	69	0	0	119	3
Gas, Naptha & Diesel	15	8	9	0	28	61	2
RES (Wind, Solar, Biomass & Others)	99	127	135	4	0	365	10
Total	822	1383	853	561	46	3665	100
					1		1
Share of RES in total generation (%)	11.99	9.17	15.86	0.69	0.32	9.95	
Share of Non-foscil fuel (Hydro Nuclear and DES) in total generation(%)	27.22	12.70	25 17	4 00	20.59	20.15	1

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

Based on Regional Max Demands	1.028			
Based on State Max Demands	1.054			
Disciplination of the control of the				

<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: 13-Jan-2022

SI							Date of Reporting:	13-Jan-2022
37	Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
Impo	rt/Export of ER (V	Vith NR)						
1	HVDC	ALIPURDUAR-AGRA	2	0	0	0.0	0.0	0.0
2	HVDC	PUSAULI B/B	-	3	0	0.0	0.0	0.0
3	765 kV	GAYA-VARANASI	2	116	843	0.0	8.7	-8.7
5	765 kV 765 kV	SASARAM-FATEHPUR GAYA-BALIA	1	0	590 574	0.0	8.0 8.6	-8.0 -8.6
6	400 kV	PUSAULI-VARANASI	i	20	122	0.0	1.5	-1.5
7	400 kV	PUSAULI -ALLAHABAD	1	35	138	0.0	1.1	-1.1
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	997	0.0	11.6	-11.6
9 10	400 kV 400 kV	PATNA-BALIA BIHARSHARIFF-BALIA	4	39	1171 327	0.0	19.0 4.9	-19.0 -4.9
11	400 kV	MOTIHARI-GORAKHPUR	2	0	609	0.0	8.6	-8.6
12	400 kV	BIHARSHARIFF-VARANASI	2	ő	380	0.0	4.9	-4.9
13	220 kV	PUSAULI-SAHUPURI	1	0	150	0.0	1.8	-1.8
14	132 kV	SONE NAGAR-RIHAND	1	0	0	0.0	0.0	0.0
15 16	132 kV 132 kV	GARWAH-RIHAND KARMANASA-SAHUPURI	+ +	25 0	0	0.3	0.0	0.3
17	132 kV	KARMANASA-CHANDAULI	i	0	0	0.0	0.0	0.0
					ER-NR	0.3	78.7	-78.4
Impo	rt/Export of ER (V		1					
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	718	74	8.1	0.0	8.1
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	96	1013	0.0	8.7	-8.7
3	765 kV	JHARSUGUDA-DURG	2	0	594	0.0	9.8	-9.8
4	400 kV	JHARSUGUDA-RAIGARH	4	137	499	0.0	3.8	-3.8
5	400 kV	RANCHI-SIPAT	2	59	308	0.0	2.8	-2.8
6	220 kV	BUDHIPADAR-RAIGARH	1	87	133	0.0	1.8	-1.8
7	220 kV	BUDHIPADAR-KORBA	2	164	26	2.3	0.0	2.3
Ļ	·//	Year CD)			ER-WR	10.3	26.8	-16.5
	rt/Export of ER (V		2	Ι Δ	553	0.0	11.4	11.4
2	HVDC HVDC	JEYPORE-GAZUWAKA B/B TALCHER-KOLAR BIPOLE	2	0	552 1487	0.0	11.4 26.2	-11.4 -26.2
3	765 kV	ANGUL-SRIKAKULAM	2	0	2786	0.0	52.2	-20.2 -52.2
4	400 kV	TALCHER-I/C	2	1752	0	14.3	0.0	14.3
5	220 kV	BALIMELA-UPPER-SILERRU	1	2	14 ED CD	0.0	0.0	0.0
Imno	rt/Export of ER (V	Vith NER)			ER-SR	0.0	89.7	-89.7
1	400 kV	BINAGURI-BONGAIGAON	2	90	325	0.3	2.1	-1.8
2	400 kV	ALIPURDUAR-BONGAIGAON	2	118	422	0.0	1.8	-1.8
3	220 kV	ALIPURDUAR-SALAKATI	2	30	72	0.0	0.2	-0.2
Inco	rt/Export of NER	(With ND)			ER-NER	0.3	4.1	-3.8
1mpoi		BISWANATH CHARIALI-AGRA	,	1 0	503	0.0	1.0	-1.0
	HVDC	DISWANATH CHARIALI-AGRA		ı v	NER-NR	0.0	1.0	-1.0
Impo	rt/Export of WR (							
1	HVDC	CHAMPA-KURUKSHETRA	2	0	2504	0.0	40.8	-40.8
3	HVDC	VINDHYACHAL B/B MUNDRA-MOHINDERGARH		94	0 257	2.4 0.0	0.0 6.2	2.4
4	HVDC 765 kV	GWALIOR-AGRA	2	0	2140	0.0	31.5	-6.2 -31.5
5	765 kV	GWALIOR-PHAGI	2	ŏ	1861	0.0	25.6	-25.6
6	765 kV	JABALPUR-ORAI	2	0	717	0.0	20.3	-20.3
7	765 kV	GWALIOR-ORAI	1	946	0	15.0	0.0	15.0
8	765 kV 765 kV	SATNA-ORAI BANASKANTHA-CHITORGARH	1 2	1250	955 0	0.0	18.5 0.0	-18.5
10	765 kV	VINDHYACHAL-VARANASI	2	1359	2079	16.3 0.0	36.4	16.3 -36.4
11	400 kV	ZERDA-KANKROLI	1	244	0	3.1	0.0	3.1
12	400 kV	ZERDA -BHINMAL	1	191	52	0.9	0.0	0.9
13	400 kV	VINDHYACHAL -RIHAND	1	968	0	20.9	0.0	20.9
14	400 kV 220 kV	RAPP-SHUJALPUR BHANPURA-RANPUR	2	319	360	0.0	0.3	-0.3 0.0
16	220 kV	BHANPURA-MORAK	i	0	30	0.0	0.8	-0.8
17	220 kV	MEHGAON-AURAIYA	1	125				
18	220 kV				0	0.7	0.0	
19		MALANPUR-AURAIYA	1	76	0	0.7 1.5	0.0	0.7 1.5
20	132 kV	GWALIOR-SAWAI MADHOPUR	1	0	0	1.5 0.0	0.0	1.5 0.0
					0 0	1.5 0.0 0.0	0.0 0.0 0.0	1.5 0.0 0.0
Impor	132 kV	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR		0	0	1.5 0.0	0.0	1.5 0.0
Impor	132 kV ort/Export of WR (	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR		0	0 0	1.5 0.0 0.0	0.0 0.0 0.0 180.5	1.5 0.0 0.0
1 2	rt/Export of WR ( HVDC HVDC	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR		0 0	0 0 WR-NR 1023 3005	1.5 0.0 0.0 60.8	0.0 0.0 0.0 180.5	1.5 0.0 0.0 -119.6 -19.1 -48.6
1 2 3	132 kV ort/Export of WR ( HVDC HVDC 765 kV	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR	1 2	0 0 0 0 513	0 0 WR-NR 1023 3005 2085	1.5 0.0 0.0 60.8 0.0 0.0 0.0	0.0 0.0 0.0 180.5 19.1 48.6 18.3	1.5 0.0 0.0 -119.6 -19.1 -48.6 -18.3
1 2 3 4	132 kV rt/Export of WR ( HVDC HVDC 765 kV 765 kV	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD	1 2	0 0 0 0 513 0	0 0 WR-NR 1023 3005 2085 2141	1.5 0.0 0.0 60.8 0.0 0.0 0.0	0.0 0.0 0.0 180.5	1.5 0.0 0.0 -119.6 -19.1 -48.6 -18.3 -31.0
1 2 3	132 kV ort/Export of WR ( HVDC HVDC 765 kV	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR	1 2 2 2 2 2 2	0 0 0 0 513	0 0 WR-NR 1023 3005 2085	1.5 0.0 0.0 60.8 0.0 0.0 0.0	0.0 0.0 0.0 180.5 19.1 48.6 18.3 31.0	1.5 0.0 0.0 -119.6 -19.1 -48.6 -18.3
1 2 3 4 5 6 7	132 kV  rt/Export of WR (  HVDC  HVDC  765 kV  765 kV  400 kV  220 kV	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR: BHADRAWATI E/B BHADRAWATI E/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUBGI KOLHAPUR-CHIKODI PONDA-AMBEWADI	1 2 2 2 2 2 2 2 2	0 0 0 513 0 1319 0	0 0 0 WR-NR 1023 3005 2085 2141 0 0	1.5 0.0 0.0 60.8 0.0 0.0 0.0 0.0 19.0 0.0	0.0 0.0 180.5 19.1 48.6 18.3 31.0 0.0	1.5 0.0 0.0 -119.6 -19.1 -48.6 -18.3 -31.0 19.0 0.0
1 2 3 4 5	132 kV ert/Export of WR ( HVDC HVDC 765 kV 765 kV 400 kV 220 kV	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI	1 2 2 2 2 2 2	0 0 0 0 513 0 1319	0 0 0 WR-NR 1023 3005 2085 2141 0 0 0	1.5 0.0 0.0 60.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 180.5 19.1 19.1 48.6 18.3 31.0 0.0 0.0	1.5 0.0 0.0 -119.6 -19.1 -48.6 -18.3 -31.0 0.0 0.0
1 2 3 4 5 6 7	132 kV  rt/Export of WR (  HVDC  HVDC  765 kV  765 kV  400 kV  220 kV	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI E/B BHADRAWATI E/B RAIGABH-PUGALUR SOLAPUR-RAUCHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	1 2 2 2 2 2 2 2 2 2 1	0 0 0 513 0 1319 0 0	0 0 0 WR-NR 1023 3005 2085 2141 0 0	1.5 0.0 0.0 60.8 0.0 0.0 0.0 0.0 19.0 0.0	0.0 0.0 0.0 180.5 19.1 48.6 18.3 31.0 0.0 0.0 0.0	1.5 0.0 0.0 -119.6 -19.1 -48.6 -18.3 -31.0 19.0 0.0 0.0 1.3 -96.8
1 2 3 4 5 6 7	132 kV  rt/Export of WR (  HVDC  HVDC  765 kV  765 kV  400 kV  220 kV	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI E/B BHADRAWATI E/B RAIGABH-PUGALUR SOLAPUR-RAUCHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	1 2 2 2 2 2 2 2 2	0 0 0 513 0 1319 0 0	0 0 0 WR-NR 1023 3005 2085 2141 0 0 0	1.5 0.0 0.0 60.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 180.5 19.1 48.6 18.3 31.0 0.0 0.0 0.0	1.5 0.0 0.0 -119.6 -19.1 -48.6 -18.3 -31.0 0.0 0.0 1.3 -96.8 +ve/Export(-ve)
1 2 3 4 5 6 7	132 kV  rt/Export of WR (  HVDC  HVDC  765 kV  765 kV  400 kV  220 kV	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B BHADRAWATI B/B RAIGABH-PUGALUR SOLAPUR-RAUCHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	1 2 2 2 2 2 2 2 2 1 1 1 TERNATIONAL EX	0 0 0 513 0 1319 0 0	0 0 0 WR-NR 1023 3005 2085 2141 0 0 0	1.5 0.0 0.0 60.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 180.5 19.1 48.6 18.3 31.0 0.0 0.0 0.0	1.5 0.0 0.0 -119.6 -12.1 -48.6 -18.3 -31.0 19.0 0.0 0.0 1.3 -96.8 +ve)/Export(-ve)
1 2 3 4 5 6 7	132 kV et/Export of WR ( HVDC HVDC 765 kV 765 kV 220 kV 220 kV	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR: BHADRAWATI B/B BHADRAWATI B/B RAIGAREP-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUBGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	1 2 2 2 2 2 2 2 2 1 1 1 TERNATIONAL EX	0 0 0 513 0 1319 0 0 0 0 CHANGES	0 0 0 WR-NR 1023 3005 2085 2141 0 0 0 WR-SR	1.5 0.0 0.0 60.8 0.0 0.0 0.0 0.0 19.0 0.0 19.0 0.0 13.0 20.3	0.0 0.0 0.0 180.5 19.1 48.6 18.3 31.0 0.0 0.0 0.0 117.1 Import(	1.5 0.0 0.0 -119.6 -19.1 -48.6 -18.3 -31.0 0.0 0.0 1.3 -96.8 +ve/Export(-ve)
1 2 3 4 5 6 7	132 kV et/Export of WR ( HVDC HVDC 765 kV 765 kV 220 kV 220 kV	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR: BHADRAWATI B/B BHADRAWATI B/B RAIGAREP-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUBGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	- 1 2 2 2 2 2 2 2 1 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHH 1,283 i.e. ALPURDU.	0 0 0 513 0 513 0 0 1319 0 0 0 CHANGES Name U-ALIPURDUAR AR RECEIPT (from	0 0 0 WR-NR 1023 3005 2085 2141 0 0 0 WR-SR	1.5 0.0 0.0 60.8 0.0 0.0 0.0 0.0 19.0 0.0 19.0 0.0 13.0 20.3	0.0 0.0 0.0 180.5 19.1 48.6 18.3 31.0 0.0 0.0 0.0 117.1 Import(	1.5 0.0 0.0 -119.6 -12.1 -48.6 -18.3 -31.0 19.0 0.0 0.0 1.3 -96.8 +ve)/Export(-ve)
1 2 3 4 5 6 7	132 kV et/Export of WR ( HVDC HVDC 765 kV 765 kV 220 kV 220 kV	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI REGion	- 2 2 2 2 2 2 1 1 TERNATIONAL EXICATIONAL EXICATIONAL EXICATIONAL EXICATIONAL EXICATIONAL EXICATION ACCIDENT AND ACCIDENT ASSOCIATION ASSOCIATION AND ACCIDENT ASSOCIATION AND ACCIDENT ASSOCIATION AND ACCIDENT ASSOCIATION ASS	0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 0 WR-NR 1023 3005 2085 2141 0 0 0 70 WR-SR	1.5 0.0 0.0 60.8 0.0 0.0 0.0 0.0 19.0 0.0 0.0 19.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 180.5 19.1 48.6 18.3 31.0 0.0 0.0 117.1 Import( Avg (MW)	1.5 0.0 0.0 -119.6 -19.1 -48.6 -18.3 -31.0 19.0 0.0 0.0 1.3 -96.8 +ve)/Export(-ve) Energy Exchange
1 2 3 4 5 6 7	132 kV et/Export of WR ( HVDC HVDC 765 kV 765 kV 220 kV 220 kV	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRA WATI R/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER	- 1 2 2 2 2 2 2 2 1 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHH 1,283 i.e. ALIPURDU. MANGDECHU HEP 4 400kV TALA-BINAGI	0 0 0 513 513 0 1319 0 0 CHANGES Name U-ALIPURDUAR AR RECEIPT (from *180MW) RI 1,24 (4 400W)	0 0 0 WR-NR 1003 3005 2085 2141 0 0 0 WR-SR	1.5 0.0 0.0 60.8 0.0 0.0 0.0 0.0 19.0 0.0 19.0 0.0 13.3 20.3	0.0 0.0 0.0 180.5  19.1 48.6 18.3 31.0 0.0 0.0 0.0 117.1 Import( Avg (MW)	1.5 0.0 0.0 0.0 -119.6 -19.1 -48.6 -18.3 -31.0 19.0 0.0 0.0 1.3 -96.8 +ve)/Export(-ve) Energy Exchange (MU) 0.8
1 2 3 4 5 6 7	132 kV et/Export of WR ( HVDC HVDC 765 kV 765 kV 220 kV 220 kV	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI REGion		0 0 0 513 513 0 1319 0 0 0 CHANGES Name U-ALIPURDUAR AR RECEIPT (from *180MW) RI 1,2.4 (k. 400kV RI) i.e. BINAGURI	0 0 0 WR-NR 1023 3005 2085 2141 0 0 0 70 WR-SR	1.5 0.0 0.0 60.8 0.0 0.0 0.0 0.0 19.0 0.0 0.0 19.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 180.5 19.1 48.6 18.3 31.0 0.0 0.0 117.1 Import( Avg (MW)	1.5 0.0 0.0 -119.6 -19.1 -48.6 -18.3 -31.0 19.0 0.0 0.0 1.3 -96.8 +ve)/Export(-ve) Energy Exchange
1 2 3 4 5 6 7	132 kV wt/Export of WR ( HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV State	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WHIS ARY BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAIGHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER		0 0 0 1513 0 1319 0 0 0 CHANGES Name U-ALIPURDUAR AR RECEIPT (from 180MW) IRI 1,24 (& 400kV	0 0 0 WR-NR 1023 3005 2085 2141 0 0 0 WR-SR Max (MW)	1.5 0.0 0.0 60.8 0.0 0.0 0.0 0.0 19.0 0.0 0.0 19.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 180.5  19.1 48.6 18.3 31.0 0.0 0.0 117.1  Import( Avg (MW)  33	1.5 0.0 0.0 0.0 -119.6 -119.6 -18.3 -31.0 19.0 0.0 0.0 1.3 -96.8 +ve)/Export(-ve) Energy Exchange (MU) 0.8
1 2 3 4 5 6 7	132 kV et/Export of WR ( HVDC HVDC 765 kV 765 kV 220 kV 220 kV	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRA WATI R/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER		0 0 0 1 0 1 513 0 513 1319 0 0 0 CHANGES Name U-ALIPURDUAR AR RECEIPT (from *180MW) RI 1,2.4 (& 400kV RI) i.e. BINAGURI HEP (6*170MW) PARA 142 (& 220kV	0 0 0 WR-NR 1003 3005 2085 2141 0 0 0 WR-SR	1.5 0.0 0.0 60.8 0.0 0.0 0.0 0.0 19.0 0.0 19.0 0.0 13.3 20.3	0.0 0.0 0.0 180.5  19.1 48.6 18.3 31.0 0.0 0.0 0.0 117.1 Import( Avg (MW)	1.5 0.0 0.0 0.0 -119.6 -19.1 -48.6 -18.3 -31.0 19.0 0.0 0.0 1.3 -96.8 +ve)/Export(-ve) Energy Exchange (MU) 0.8
1 2 3 4 5 6 7	132 kV wt/Export of WR ( HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV State	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WHIS ARY BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAIGHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER		0 0 0 1 0 1 513 0 513 1319 0 0 0 CHANGES Name U-ALIPURDUAR AR RECEIPT (from *180MW) RI 1,2.4 (& 400kV RI) i.e. BINAGURI HEP (6*170MW) PARA 142 (& 220kV	0 0 0 WR-NR 1023 3005 2085 2141 0 0 0 WR-SR Max (MW)	1.5 0.0 0.0 60.8 0.0 0.0 0.0 0.0 19.0 0.0 0.0 19.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 180.5  19.1 48.6 18.3 31.0 0.0 0.0 117.1  Import( Avg (MW)  33	1.5 0.0 0.0 0.0 -119.6 -119.6 -18.3 -31.0 19.0 0.0 0.0 1.3 -96.8 +ve)/Export(-ve) Energy Exchange (MU) 0.8
1 2 3 4 5 6 7	132 kV wt/Export of WR ( HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV State	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WHIS ARY BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAIGHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER		0 0 0 1 0 1 0 1 513 0 513 1319 0 0 0 CHANGES Name U-ALIPURDUAR AR RECEIPT (from *180MW) r81 1,24 (& 400kV R) i.e. BINAGURI HEP (*170MW) PARA I&2 (& 220kV A) i.e. BIRPARA KHA HEP 4*84MW)	0 0 0 WR-NR 1023 3005 2085 2141 0 0 0 WR-SR Max (MW)	1.5 0.0 0.0 60.8 0.0 0.0 0.0 0.0 19.0 0.0 0.0 19.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 180.5  19.1 48.6 18.3 31.0 0.0 0.0 117.1  Import( Avg (MW)  33	1.5 0.0 0.0 0.0 -119.6 -119.6 -18.3 -31.0 19.0 0.0 0.0 1.3 -96.8 +ve)/Export(-ve) Energy Exchange (MU) 0.8
1 2 3 4 5 6 7	132 kV wt/Export of WR ( HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV State	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRA WATI E/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER	TERNATIONAL EXC  2 2 2 2 2 1 1 1 TERNATIONAL EXC  Line 400KV MANGDECHH 1,2&3 i.e. ALIPURDU. MANGDECHU HEP 4 400KV TALA BINAGU MALBASE - BINAGU MALBASE - BINAGU MALBASE - BIRGAR RECEIPT (from TALA	0 0 0 1 0 1 0 1 513 0 513 1319 0 0 0 CHANGES Name U-ALIPURDUAR AR RECEIPT (from *180MW) r81 1,24 (& 400kV R) i.e. BINAGURI HEP (*170MW) PARA I&2 (& 220kV A) i.e. BIRPARA KHA HEP 4*84MW)	0 0 0 WR-NR 1023 3005 2085 2141 0 0 0 70 WR-SR Max (MW)	1.5 0.0 0.0 60.8 0.0 0.0 0.0 0.0 19.0 0.0 19.0 0.0 13.3 20.3 Min (MW)	0.0 0.0 0.0 180.5 19.1 48.6 18.3 31.0 0.0 0.0 0.0 117.1 Import( Avg (MW)  33	1.5 0.0 0.0 -119.6 -119.6 -119.6 -18.3 -31.0 19.0 0.0 0.0 0.0 1.3 -96.8 +ve)/Export(-ve) Energy Exchange (MU) 0.8
1 2 3 4 5 6 7	132 kV wt/Export of WR ( HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV State	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRA WATI E/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER	TERNATIONAL EXC  2 2 2 2 2 1 1 1 TERNATIONAL EXC  Line 400KV MANGDECHH 1,2&3 i.e. ALIPURDU. MANGDECHU HEP 4 400KV TALA BINAGU MALBASE - BINAGU MALBASE - BINAGU MALBASE - BIRGAR RECEIPT (from TALA	0 0 0 0 1 0 0 1 0 1 1319 0 0 1319 0 0 0 0 CHANGES Name  U-ALIPURDUAR AR RECEIPT (from 180MW) PRI 12.4 (& 400KW) RI 12.4 (& 400KW) ARA 182 (& 220KW A) i.e. BIRPARA KHA HEP 4*84MW) AAKATI	0 0 0 WR-NR 1023 3005 2085 2141 0 0 0 70 WR-SR Max (MW)	1.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 19.0 0.0 13.3 20.3	0.0 0.0 0.0 180.5 19.1 48.6 18.3 31.0 0.0 0.0 0.0 117.1 Import( Avg (MW)  33	1.5 0.0 0.0 -119.6 -119.6 -119.6 -18.3 -31.0 19.0 0.0 0.0 0.0 1.3 -96.8 +ve)/Export(-ve) Energy Exchange (MU) 0.8
1 2 3 4 5 6 7	132 kV wt/Export of WR ( HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV State	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WHIS ARY BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAIGHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI  XELDEM-AMBEWADI  IN Region  ER  ER  ER  NER		0 0 0 0 1 0 0 1 0 1 1319 0 0 1319 0 0 0 0 CHANGES Name  U-ALIPURDUAR AR RECEIPT (from 180MW) PRI 12.4 (& 400KW) RI 12.4 (& 400KW) ARA 182 (& 220KW A) i.e. BIRPARA KHA HEP 4*84MW) AAKATI	0 0 0 WR-NR 1023 3005 2085 2141 0 0 0 70 WR-SR Max (MW) 147	1.5 0.0 0.0 60.8 0.0 0.0 0.0 0.0 19.0 0.0 19.0 0.0 13.3 20.3 Min (MW)	0.0 0.0 0.0 180.5  19.1 48.6 18.3 31.0 0.0 0.0 117.1  Import( Avg (MW)  33	1.5 0.0 0.0 0.0 -119.6 -119.6 -18.3 -31.0 19.0 0.0 0.0 1.3 -96.8 +ve)/Export(-ve) Energy Exchange (MU) 0.8 -1.7 -1.1
1 2 3 4 5 6 7	132 kV wt/Export of WR ( HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV State	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI E/B BHADRAWATI E/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI  ER  ER  ER  ER  NER	TERNATIONAL EXC  2 2 2 2 2 1 1 1 TERNATIONAL EXC  Line 400kV MANGDECHH HIP 44 1,283 i.e. ALIPURDU. MANGDECHH HIP 44 100kV TALA BINAGU MALBASE - BINAGU MALBASE - BINAGU MALBASE - BIRGER RECEIPT (From TALA MALBASE - BIRGER RECEIPT (From TALA 132kV MOTANGA-RA 132kV MOTANGA-RA	0 0 0 513 0 513 0 1319 0 0 0 CHANGES Name U-ALIPURDUAR AR RECEIPT (from *180MW) RI 1;2,4 (4 400kV RI) i.e. BINAGURI LI 1;4 (4 400kV RI) i.e. BINAGURI LI 2;4 (4 400kV RI) i.e. BINAGURI LI 2;5 (4 400kV RI) i.e. BINAGURI LI 3;5 (4 400kV RI) i.e. BINAGURI LI 4;5 (4 400kV RI) i.e. BINAGURI LI 5;5 (4 400kV RI) i.e. BINAGURI LI 6;5 (4 400kV RI) i.e. B	0 0 0 0 WR-NR 1023 3005 2085 2141 0 0 0 70 WR-SR Max (MW) 147 0	1.5 0.0 0.0 60.8 0.0 0.0 0.0 0.0 19.0 0.0 0.0 19.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 180.5 19.1 48.6 18.3 31.0 0.0 0.0 0.0 17.1 Import( Avg (MW)  33 0 -45	1.5 0.0 0.0 0.0 -119.6 -19.1 -48.6 -18.3 -31.0 19.0 0.0 0.0 1.3 -96.8 +ve)/Export(-ve) Energy Exchange (MU) 0.8 -1.7 -1.1
1 2 3 4 5 6 7	132 kV wt/Export of WR ( HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV State	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WHIS ARY BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAIGHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI  XELDEM-AMBEWADI  IN Region  ER  ER  ER  NER	TERNATIONAL EX  2 2 2 2 2 2 1 1 1 TERNATIONAL EX  Line 400KV MANGDECHH 1,283 i.e. ALIPURDU. MANGDECHU HEP 4 400KV TALABINAGI MALBASE - BINAGU ECEJPPI (from TALA 220KV CHUKHA-BIR MALBASE - BIRPAR RECEIPT (from CHU 132kV GELEPHU-SAI	0 0 0 513 0 513 0 1319 0 0 0 CHANGES Name U-ALIPURDUAR AR RECEIPT (from *180MW) RI 1;2,4 (4 400kV RI) i.e. BINAGURI LI 1;4 (4 400kV RI) i.e. BINAGURI LI 2;4 (4 400kV RI) i.e. BINAGURI LI 2;5 (4 400kV RI) i.e. BINAGURI LI 3;5 (4 400kV RI) i.e. BINAGURI LI 4;5 (4 400kV RI) i.e. BINAGURI LI 5;5 (4 400kV RI) i.e. BINAGURI LI 6;5 (4 400kV RI) i.e. B	0 0 0 WR-NR 1023 3005 2085 2141 0 0 0 70 WR-SR Max (MW) 147	1.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 19.0 0.0 13.3 20.3	0.0 0.0 0.0 180.5  19.1 48.6 18.3 31.0 0.0 0.0 117.1  Import( Avg (MW)  33	1.5 0.0 0.0 0.0 -119.6 -119.6 -18.3 -31.0 19.0 0.0 0.0 1.3 -96.8 +ve)/Export(-ve) Energy Exchange (MU) 0.8 -1.7 -1.1
1 2 3 4 5 6 7	132 kV wt/Export of WR ( HVDC HVDC 765 kV 400 kV 220 kV 220 kV State BHUTAN	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B BHADRAWATI B/B RAIGABH-PUGALUR SOLAPUR-RAUCHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI  IN Region  ER  ER  ER  NER  NER	TERNATIONAL EX  2 2 2 2 2 2 1 1 1 1 1 2  TERNATIONAL EX  Line 400kV MANGDECHH 1,283 i.e. ALPURDU. MANGDECHU HEP 4 400kV TALA-BINAGU MANGDECHU HEP 4 400kV TALA-BINAGU MALBASE - BINAGU MALBASE - BINAGU MECEPPT (from TALL) 132kV GELEPHU-SAI 132kV MOTANGA-RA 132kV MAHENDRAN TANAKPUR(NHPC)	0 0 0 1 0 1 0 1 0 1 1319 0 1319 0 0 0 1319 0 0 0 CHANGES Name U-ALIPURDUAR AR RECEIPT (from \$180MW) PISOMW) PIRI 12.4 (& 400KV RI) PIRI 1	0 0 0 WR-NR 1023 3005 2085 2141 0 0 0 WR-SR  Max (MW) 147  10 10 -13 -25	1.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 19.0 0.0 19.0 0.0 13.3 20.3	0.0 0.0 0.0 180.5  19.1 48.6 18.3 31.0 0.0 0.0 117.1  Import Avg (MW)  33  -45	1.5 0.0 0.0 0.0 119.6 -119.6 -18.3 -31.0 19.0 0.0 0.0 1.3 -96.8 +ve)/Export(-ve) Energy Exchange (MU) 0.8 -1.7 -1.1 -0.1 0.1
1 2 3 4 5 6 7	132 kV wt/Export of WR ( HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV State	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI E/B BHADRAWATI E/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI  ER  ER  ER  ER  NER	TERNATIONAL EXC  2 2 2 2 2 1 1 1 TERNATIONAL EXC  Line 400kV MANGDECHH HIP 44 1,283 i.e. ALIPURDU. MANGDECHH HIP 44 100kV TALA BINAGU MALBASE - BINAGU MALBASE - BINAGU MALBASE - BIRGER RECEIPT (From TALA MALBASE - BIRGER RECEIPT (From TALA 132kV MOTANGA-RA 132kV MOTANGA-RA	0 0 0 1 0 1 0 1 0 1 1319 0 1319 0 0 0 1319 0 0 0 CHANGES Name U-ALIPURDUAR AR RECEIPT (from \$180MW) PISOMW) PIRI 12.4 (& 400KV RI) PIRI 1	0 0 0 0 WR-NR 1023 3005 2085 2141 0 0 0 70 WR-SR Max (MW) 147 0	1.5 0.0 0.0 60.8 0.0 0.0 0.0 0.0 19.0 0.0 0.0 19.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 180.5 19.1 48.6 18.3 31.0 0.0 0.0 0.0 17.1 Import( Avg (MW)  33 0 -45	1.5 0.0 0.0 0.0 -119.6 -19.1 -48.6 -18.3 -31.0 19.0 0.0 0.0 1.3 -96.8 +ve)/Export(-ve) Energy Exchange (MU) 0.8 -1.7 -1.1
1 2 3 4 5 6 7	132 kV wt/Export of WR ( HVDC HVDC 765 kV 400 kV 220 kV 220 kV State BHUTAN	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B BHADRAWATI B/B RAIGABH-PUGALUR SOLAPUR-RAUCHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI  IN Region  ER  ER  ER  NER  NER	TERNATIONAL EX  2 2 2 2 2 2 1 1 1 1 1 2  TERNATIONAL EX  Line 400kV MANGDECHH 1,283 i.e. ALPURDU. MANGDECHU HEP 4 400kV TALA-BINAGU MANGDECHU HEP 4 400kV TALA-BINAGU MALBASE - BINAGU MALBASE - BINAGU MECEPPT (from TALL) 132kV GELEPHU-SAI 132kV MOTANGA-RA 132kV MAHENDRAN TANAKPUR(NHPC)	0 0 0 1 0 1 0 1 0 1 1319 0 1319 0 0 0 1319 0 0 0 CHANGES Name U-ALIPURDUAR AR RECEIPT (from \$180MW) PISOMW) PIRI 12.4 (& 400KV RI) PIRI 1	0 0 0 WR-NR 1023 3005 2085 2141 0 0 0 WR-SR  Max (MW) 147  10 10 -13 -25	1.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 19.0 0.0 19.0 0.0 13.3 20.3	0.0 0.0 0.0 180.5  19.1 48.6 18.3 31.0 0.0 0.0 117.1  Import Avg (MW)  33  -45	1.5 0.0 0.0 0.0 119.6 -119.6 -18.3 -31.0 19.0 0.0 0.0 1.3 -96.8 +ve)/Export(-ve) Energy Exchange (MU) 0.8 -1.7 -1.1 -0.1 0.1
1 2 3 4 5 6 7	132 kV wt/Export of WR ( HVDC HVDC 765 kV 400 kV 220 kV 220 kV State BHUTAN	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B BHADRAWATI B/B RAIGABH-PUGALUR SOLAPUR-RAUCHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI  IN Region  ER  ER  ER  NER  NER	TERNATIONAL EXC  2 2 2 2 2 1 1 1 1  TERNATIONAL EXC  Line 400KV MANGDECHH 1,283 i.e. ALIPURDU. MANGDECHU HEP 4 400KV TALA BINAGU MALBASE - BINAGU MALBASE - BINAGU MALBASE - BIRPAR RECEIPT (from TALA MALBASE - BIRPAR RECEIPT (from TALA 132kV MOTANGA-RA 132kV MOTANGA-RA 132kV MAHENDRAN TANAKPURNHPC)  NEPAL IMPORT (FRO	0 0 0 1 0 1 0 1 0 1 1319 0 1319 0 0 0 1319 0 0 0 CHANGES Name U-ALIPURDUAR AR RECEIPT (from \$180MW) PISOMW) PIRI 12.4 (& 400KV RI) PIRI 1	0 0 0 WR-NR 1023 3005 2085 2141 0 0 0 WR-SR  Max (MW) 147  10 10 -13 -25	1.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 19.0 0.0 19.0 0.0 13.3 20.3	0.0 0.0 0.0 180.5  19.1 48.6 18.3 31.0 0.0 0.0 117.1  Import Avg (MW)  33  -45	1.5 0.0 0.0 0.0 119.6 -119.6 -18.3 -31.0 19.0 0.0 0.0 1.3 -96.8 +ve)/Export(-ve) Energy Exchange (MU) 0.8 -1.7 -1.1 -0.1 0.1
1 2 3 4 5 6 7	132 kV wt/Export of WR ( HVDC HVDC 765 kV 400 kV 220 kV 220 kV State BHUTAN	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI R/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER  FR  NER  NER  NER	TERNATIONAL EXC  2 2 2 2 2 1 1 1 1  TERNATIONAL EXC  Line 400KV MANGDECHH 1,283 i.e. ALIPURDU. MANGDECHU HEP 4 400KV TALA BINAGU MALBASE - BINAGU MALBASE - BINAGU MALBASE - BIRPAR RECEIPT (from TALA MALBASE - BIRPAR RECEIPT (from TALA 132kV MOTANGA-RA 132kV MOTANGA-RA 132kV MAHENDRAN TANAKPURNHPC)  NEPAL IMPORT (FRO	0 0 0 1 0 0 513 513 0 1319 0 0 0 CHANGES Name U-ALIPURDUAR AR RECEIPT (from *180MW) *781 1,24 (& 400kV R) i.e. BINAGURI RI 1,24 (& 400kV R) i.e. BINAGURI RI 1,24 (& 400kV R) i.e. BINAGURI ALS (& 220kV R) i.e. BINAGURI ALS (& 220kV R) i.e. BINAGURI ALS (& AURICH ALS (&	0 0 0 WR-NR 1023 3005 2085 2085 2141 0 0 0 70 WR-SR  Max (MW) 147 0 10 -13 -25	1.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 0.0 0.0 180.5  19.1 48.6 18.3 31.0 0.0 0.0 0.0 117.1 Import( Avg (MW)  33  0  -45  -4  2	1.5 0.0 0.0 0.0 1.19.6 -1.9.1 -48.6 -18.3 -31.0 19.0 0.0 0.0 1.3 -96.8 +ve)/Export(-ve) Energy Exchange (MU) 0.8 -1.7 -1.1 -0.1 -1.5
1 2 3 4 5 6 7	132 kV wt/Export of WR ( HVDC HVDC 765 kV 400 kV 220 kV 220 kV State BHUTAN	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B BHADRAWATI B/B RAIGABH-PUGALUR SOLAPUR-RAUCHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI  IN Region  ER  ER  ER  ER  ER  ER  NER  NER  NER	TERNATIONAL EX  2 2 2 2 2 2 2 1 1 1 1 1 2 2 1 1 1 1 1	0 0 0 1 0 1 0 1 0 1 513 0 1319 0 0 13319 0 0 0 CHANGES Name 0 0 CHANGES Name 1980MW) 181 12.4 (& 400kV RISH	0 0 0 WR-NR 1023 3005 2085 2141 0 0 0 WR-SR Max (MW) 147  0 10 -13 -25 0 -202	1.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 19.0 0.0 19.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 180.5  19.1 48.6 18.3 31.0 0.0 0.0 117.1  Import Avg (MW)  33  0  -45  -4  2  0  -58	1.5 0.0 0.0 0.0 119.6 -119.6 -18.3 -31.0 19.0 0.0 0.0 1.3 -96.8 +ve)/Export(-ve) Energy Exchange (MU) 0.8 -1.7 -1.1 -0.1 -1.5 -1.4
1 2 3 4 5 6 7	132 kV wt/Export of WR ( HVDC HVDC 765 kV 400 kV 220 kV 220 kV State BHUTAN	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI R/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER  FR  NER  NER  NER	TERNATIONAL EXC  2 2 2 2 2 1 1 1 1  TERNATIONAL EXC  Line 400KV MANGDECHH 1,283 i.e. ALIPURDU. MANGDECHU HEP 4 400KV TALA BINAGU MALBASE - BINAGU MALBASE - BINAGU MALBASE - BIRPAR RECEIPT (from TALA MALBASE - BIRPAR RECEIPT (from TALA 132kV MOTANGA-RA 132kV MOTANGA-RA 132kV MAHENDRAN TANAKPURNHPC)  NEPAL IMPORT (FRO	0 0 0 1 0 1 0 1 0 1 513 0 1319 0 0 13319 0 0 0 CHANGES Name 0 0 CHANGES Name 1980MW) 181 12.4 (& 400kV RISH	0 0 0 WR-NR 1023 3005 2085 2085 2141 0 0 0 70 WR-SR  Max (MW) 147 0 10 -13 -25	1.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 0.0 0.0 180.5  19.1 48.6 18.3 31.0 0.0 0.0 0.0 117.1 Import( Avg (MW)  33  0  -45  -4  2	1.5 0.0 0.0 0.0 1.19.6 -1.9.1 -48.6 -18.3 -31.0 19.0 0.0 0.0 1.3 -96.8 +ve)/Export(-ve) Energy Exchange (MU) 0.8 -1.7 -1.1 -0.1 -1.5
1 2 3 4 5 6 7 8	## 122 kV  ##VEXPORT of WR ( ##VDC  #	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI R/B BHADRAWATI R/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUBGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI ER  ER  ER  NER  NER  NER  NER  NER  ER	TERNATIONAL EXC  2 2 2 2 2 1 1 1 1  TERNATIONAL EXC  Line 400KV MANGDECHH 1,028 1:e. ALIPURDU. MANGDECHU HEP 4 400KV TALA-BINAGI MALBASE - BINAGU MANGDECHU HEP 4 1028 1:e. ALIPURDU. MANGDECHU HEP 4 1028 1:e. ALIPURDU. MANGDECHU HEP 4 1128 1:e. ALIPURDU. MANGDECHU HEP 4 1128 1:e. ALIPURDU. 1132 1:e. ALIPUR	0 0 0 1 0 1 1319 0 13119 0 0 131319 0 0 0 CHANGES Name U-ALIPURDUAR AR RECEIPT (from *180MW) RI 1,24 (k 400kV RI) i.e. BINAGURI HEP (6*170MW) PARA 142 (k 220kV A) i.e. BIRPARA KHA HEP 4*84MW) LAKATI NNGIA AGAR- OM BIHAR) MUZAFFARPUR 1&2 WDC (BANGLADESH)	0 0 0 WR-NR 1023 3005 2085 2085 2141 0 0 0 70 WR-SR 147 0 10 -13 -25 0 0 -202 316 -496	1.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 0.0 0.0 180.5 19.1 48.6 18.3 31.0 0.0 0.0 117.1 Import( Avg (MW)  33 0 -45 -4 2 0 -58 -58	1.5 0.0 0.0 0.0 1.19.6 -1.9.1 -48.6 -18.3 -31.0 19.0 0.0 0.0 0.0 1.3 -96.8 +ve)/Export(-ve) Energy Exchange (MU) 0.8 -1.7 -1.1 -0.1 -1.5 -1.4 -5.5
1 2 3 4 5 6 7 8	132 kV wt/Export of WR ( HVDC HVDC 765 kV 400 kV 220 kV 220 kV State BHUTAN	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B BHADRAWATI B/B RAIGABH-PUGALUR SOLAPUR-RAUCHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI  IN Region  ER  ER  ER  ER  ER  ER  NER  NER  NER	TERNATIONAL EX  2 2 2 2 2 2 2 1 1 1 1 1 2 2 1 1 1 1 1	0 0 0 1 0 1 1319 0 13119 0 0 131319 0 0 0 CHANGES Name U-ALIPURDUAR AR RECEIPT (from *180MW) RI 1,24 (k 400kV RI) i.e. BINAGURI HEP (6*170MW) PARA 142 (k 220kV A) i.e. BIRPARA KHA HEP 4*84MW) LAKATI NNGIA AGAR- OM BIHAR) MUZAFFARPUR 1&2 WDC (BANGLADESH)	0 0 0 WR-NR 1023 3005 2085 2141 0 0 0 WR-SR Max (MW) 147  0 10 -13 -25 0 -202	1.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 19.0 0.0 19.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 180.5  19.1 48.6 18.3 31.0 0.0 0.0 117.1  Import Avg (MW)  33  0  -45  -4  2  0  -58	1.5 0.0 0.0 0.0 119.6 -119.6 -18.3 -31.0 19.0 0.0 0.0 1.3 -96.8 +ve)/Export(-ve) Energy Exchange (MU) 0.8 -1.7 -1.1 -0.1 -1.5 -1.4