

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

दिनांक: 09th July 2021

Ref: POSOCO/NLDC/SO/Daily PSP Report

To,

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

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

Sub: Daily PSP Report for the date 08.07.2021.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 08-जुलाई-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 08th July 2021, is available at the NLDC website.

धन्यवाद.

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



Report for previous day A. Power Supply Position at All India and Regional level Date of Reporting: 09-Jul-2021 NR WR SR ER NER TOTAL Demand Met during Evening Peak hrs(MW) (at 20:00 hrs; from RLDCs) 66058 51232 40302 22398 3024 183014 Peak Shortage (MW) 1754 0 0 0 1758 Energy Met (MU) 1623 1261 946 474 56 4360 Hydro Gen (MU) 356 102 648 Wind Gen (MU) 56 146 273 Solar Gen (MU)* 52.18 30.61 81.12 3.89 168 Energy Shortage (MU) 19.27 0.00 0.00 0.000.04 19.31 Maximum Demand Met During the Day (MW) (From NLDC SCADA) 72673 55021 43268 22447 3094 189895 Time Of Maximum Demand Met (From NLDC SCADA) 00:48 14:58 11:57 20:30 19:26 12:28 B. Frequency Profile (%) Region All India 49.9 - 50.05 70.47 FVI < 49.7 49.7 - 49.8 49.8 - 49.9 < 49.9 > 50.05 0.02 0.00 0.00 C. Power Supply Position in States Max.Demand Drawal Shortage during Energy Met Energy Region States Met during the Schedule Shortage maximum (MU) (MU) (MW) day(MW) Demand(MW) (MU) 183.1 (MU) 293.0 -1.5 126 Punjab 12583 15.31 Haryana 12040 265.0 0.00 202.5 Rajasthan 13740 298.9 70.5 -0.7 359 0.00 141.9 130.1 Delhi -1.9 295 NR UP 24298 170 490.2 243.5 595 0.00 Uttarakhand 20.5 2206 48.0 186 HP 1560 30.3 0.2 -3.3 59 0.21 J&K(UT) & Ladakh(UT) 2333 47.7 -0.2 165 3.45 Chandigarh 426 8.4 79.5 8.2 0.2 0.00 3613 42.1 310 Chhattisgarh -5.2 0.00 Gujarat 18799 408.2 140.2 -0.2 669 0.00 10295 227. 134.7 MP 0 -1.6 785 0.00WR Maharashtra 22444 0 487. 175.0 595 0.00 Goa 547 11.8 11.1 0.1 0.00 333 DNH 844 19.6 19.4 0.2 49 0.00 AMNSIL 916 0.3 0.00 20.2 6.2 335 Andhra Pradesh 7955 174.3 57.7 1.0 675 0.00 8229 173.1 Telangana 66.4 53.0 643 -0.7 0.00 SR Karnataka 9998 191.6 0.8 560 0.00 3631 52.1 Kerala 0 74.9 -0.1 258 0.00 Tamil Nadu 14794 322.8 153.1 -0.7 1087 0.00 9.1 8.9 0.2 Puducherry 445 0 42 0.00 Bihar 6388 116.8 109.7 482 DVC 2928 62.5 -52.3 -1.1 273 0.00 Jharkhand 1522 28.5 24.3 193 ER 31.7 47.1 Odisha 4996 98.7 -0.2 630 0.00 West Bengal 8095 165.5 369 Sikkim 107 1.7 1.5 0.2 34 0.00 Arunachal Pradesh 132 2.4 2.4 -0.2 34 0.01 Assam 1994 36.4 30.4 0.2 0.00 Manipur 195 2.6 -0.119 0.01 NER Meghalaya 5.4 1.2 -0.2 -0.1 0.00 19 0.01 Mizoram 107 1.6 Nagaland 140 -0.1 0.01 Tripura 5.0 0.00 D. Transnational Exchanges (MU) - Import(+ve)/Export(-ve) Bhutan Nepal Bangladesh Actual (MU) Day Peak (MW)

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	406.6	-273.3	11.0	-137.4	-6.9	0.0
Actual(MU)	411.3	-272.7	2.2	-136.6	-10.1	-5.9
O/D/U/D(MU)	4.7	0.6	-8.8	0.8	-3.2	-5.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	3960	13036	6732	810	588	25126	43
State Sector	7015	15907	6685	3745	11	33363	57
Total	10975	28943	13417	4555	600	58490	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	668	1280	581	510	12	3052	68
Lignite	29	11	37	0	0	77	2
Hydro	356	25	102	130	35	648	14
Nuclear	29	32	46	0	0	108	2
Gas, Naptha & Diesel	35	35	11	0	24	104	2
RES (Wind, Solar, Biomass & Others)	127	177	178	4	0	485	11
Total	1244	1561	954	643	71	4474	100
Share of RES in total generation (%)	10.18	11.32	18.60	0.61	0.27	10.84	
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation(%)	41.20	15.01	34.12	20.77	49.20	27.74	

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.035
Based on State Max Demands	1.087

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: 09-Jul-2021

Sl No			•				Date of Reporting:	09-Jul-2021
	Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
Impo	rt/Export of ER (With NR)	!					
1	HVDC	ALIPURDUAR-AGRA	2	0	1504	0.0	36.7	-36.7
3		PUSAULI B/B GAYA-VARANASI		0	248 792	0.0	5.9 14.4	-5.9 -14.4
4		SASARAM-FATEHPUR	1	68	268	0.0	2.1	-2.1
5	765 kV	GAYA-BALIA	î	ő	669	0.0	13.1	-13.1
6		PUSAULI-VARANASI	1	0	220	0.0	4.3	-4.3
7 8		PUSAULI -ALLAHABAD	1	0	99 689	0.0	1.5 12.6	-1.5 -12.6
9		MUZAFFARPUR-GORAKHPUR PATNA-BALIA	4	0	1103	0.0	22.9	-12.0
10		BIHARSHARIFF-BALIA	2	ŏ	506	0.0	8.3	-8.3
11		MOTIHARI-GORAKHPUR	2	0	387	0.0	6.8	-6.8
12		BIHARSHARIFF-VARANASI	2	0	304	0.0	5.2	-5.2
13 14	220 kV 132 kV	PUSAULI-SAHUPURI SONE NAGAR-RIHAND	+	0	108	0.0	1.8 0.0	-1.8 0.0
15		GARWAH-RIHAND	† †	20	0	0.4	0.0	0.4
16	132 kV	KARMANASA-SAHUPURI	1	0	Ö	0.0	0.0	0.0
17	132 kV	KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0
Imno	ort/Export of ER (With WR)			ER-NR	0.4	135.5	-135.1
1		JHARSUGUDA-DHARAMJAIGARH	4	619	750	0.0	3.2	-3.2
2		NEW RANCHI-DHARAMJAIGARH	2	1412	0	21.3	0.0	21.3
3		JHARSUGUDA-DURG	2	149	104	0.9	0.0	0.9
4		JHARSUGUDA-RAIGARH	4	240	226	0.7	0.0	0.7
5		RANCHI-SIPAT	2	401	0	5.4	0.0	5.4
6		BUDHIPADAR-RAIGARH	1	7	102		1.2	
				188		0.0	0.0	-1.2
7	220 kV	BUDHIPADAR-KORBA	2	199	0 ER-WR	3.3 31.7	4.5	3.3 27.2
Impo	ort/Export of ER (With SR)			ER-WK	31./	7.0	41.4
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	349	0.0	7.7	-7.7
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1639	0.0	35.7	-35.7
3		ANGUL-SRIKAKULAM	2	0 539	2062	0.0	28.4	-28.4
5		TALCHER-I/C BALIMELA-UPPER-SILERRU	2	539 1	0	6.9 0.0	0.0	6.9 0.0
					ER-SR	0.0	71.8	-71.8
Impo	ort/Export of ER (
1		BINAGURI-BONGAIGAON	2	0	511	0.0	4.1	-4.1
3		ALIPURDUAR-BONGAIGAON ALIPURDUAR-SALAKATI	2	277	448 139	1.1 0.0	0.0 1.1	1.1
٥	220 KV	ALH URDUAK-JALAKAII	<u> </u>		139 ER-NER	0.0 1.1	5.2	-1.1 -4.1
Impo	rt/Export of NER	(With NR)						-7.1
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	854	0.0	15.3	-15.3
T	ort/Export of WR (West ND			NER-NR	0.0	15.3	-15.3
11111110	HVDC	CHAMPA-KURUKSHETRA	2	Ι ο	5043	0.0	93.1	-93.1
2		VINDHYACHAL B/B		Ů	203	0.0	4.8	-4.8
3		MUNDRA-MOHINDERGARH	2	Ŏ	1916	0.0	45.4	-45.4
4		GWALIOR-AGRA	2	0	3044	0.0	55.7	-55.7
5		PHAGI-GWALIOR	2	0	1638	0.0	31.8	-31.8
7		JABALPUR-ORAI GWALIOR-ORAI	2	733	1171 0	0.0 12.7	45.8 0.0	-45.8 12.7
8		SATNA-ORAI	1	0	1535	0.0	30.9	-30.9
9	765 kV	CHITORGARH-BANASKANTHA	2	434	529	0.0	2.3	-2.3
10		ZERDA-KANKROLI	1	207	3	2.5	0.0	2.5
11		ZERDA -BHINMAL	1	502	0	7.9	0.0	7.9
12	400 kV	VINDHYACHAL -RIHAND	1	974	0	22.2	0.0	22.2
13		RAPP-SHUJALPUR	2	0 8	475	0.0	6.3 1.3	-6.3 -1.3
14 15		BHANPURA-RANPUR BHANPURA-MORAK	1	0	101 30	0.0 0.1	0.7	-1.3 -0.6
16		MEHGAON-AURAIYA	i	98	0	0.3	0.1	0.2
17		MALANPUR-AURAIYA	1	59	22	0.9	0.0	0.9
18		GWALIOR-SAWAI MADHOPUR	1	0	0	0.0	0.0	0.0
19	132 kV	RAJGHAT-LALITPUR	2	0	0 WR-NR	0.0 46.5	0.0	0.0
Impo								
1	rt/Export of WR ((With SR)			WK-NK	40.2	318.2	-271.7
2		BHADRAWATI B/B		297	0	7.3	0.0	-271.7 7.3
	HVDC HVDC	BHADRAWATI B/B RAIGARH-PUGALUR	2	577	0	7.3 13.9	0.0	7.3 13.9
3	HVDC HVDC 765 kV	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR	2 2 2	577 1322	0 0 1595	7.3 13.9 2.9	0.0 0.0 0.0	7.3 13.9 2.9
3	HVDC HVDC 765 kV 765 kV	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD		577 1322 234	0 0 1595 1784	7.3 13.9 2.9 0.2	0.0 0.0 0.0 19.1	7.3 13.9 2.9 -18.9
3 4 5	HVDC HVDC 765 kV 765 kV 400 kV	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI		577 1322 234 1116	0 0 1595 1784 0	7.3 13.9 2.9 0.2 18.8	0.0 0.0 0.0 19.1 0.0	7.3 13.9 2.9 -18.9 18.8
3 4 5 6 7	HVDC HVDC 765 kV 765 kV 400 kV 220 kV	BHADRAWATI B/B RAIGARH-PUCALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI	2 2 2 2 2 2	577 1322 234 1116 0	0 0 1595 1784 0 0	7.3 13.9 2.9 0.2 18.8 0.0	0.0 0.0 0.0 19.1 0.0 0.0 0.0	7.3 13.9 2.9 -18.9 18.8 0.0
3 4 5 6	HVDC HVDC 765 kV 765 kV 400 kV 220 kV	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI		577 1322 234 1116	0 0 1595 1784 0 0 0	7.3 13.9 2.9 0.2 18.8 0.0 0.0	0.0 0.0 0.0 19.1 0.0 0.0 0.0	7.3 13.9 2.9 -18.9 18.8 0.0 0.0
3 4 5 6 7	HVDC HVDC 765 kV 765 kV 400 kV 220 kV	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	2 2 2 2 2 1 1	577 1322 234 1116 0 0	0 0 1595 1784 0 0	7.3 13.9 2.9 0.2 18.8 0.0	0.0 0.0 0.0 19.1 0.0 0.0 0.0 19.1	7.3 13.9 2.9 -18.9 18.8 0.0 0.0 1.3 25.3
3 4 5 6 7	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	2 2 2 2 2 1 1 1	577 1322 234 1116 0 0	0 0 1595 1784 0 0 0 74 WR-SR	7.3 13.9 2.9 0.2 18.8 0.0 0.0 1.3 44.4	0.0 0.0 0.0 19.1 0.0 0.0 0.0 0.0 19.1 Import(7.3 13.9 2.9 -18.9 18.8 0.0 0.0 1.3 25.3 +ve)/Export(-ve)
3 4 5 6 7	HVDC HVDC 765 kV 765 kV 400 kV 220 kV	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	2 2 2 2 2 1 1 1	577 1322 234 1116 0 0	0 0 1595 1784 0 0 0	7.3 13.9 2.9 0.2 18.8 0.0 0.0	0.0 0.0 0.0 19.1 0.0 0.0 0.0 19.1 Import(7.3 13.9 2.9 -18.9 18.8 0.0 0.0 1.3 25.3 +ve)/Export(-ve) Energy Exchange
3 4 5 6 7	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	2 2 2 2 2 1 1 1	577 1322 234 1116 0 0 0 CHANGES	0 0 1595 1784 0 0 0 74 WR-SR	7.3 13.9 2.9 0.2 18.8 0.0 0.0 1.3 44.4	0.0 0.0 0.0 19.1 0.0 0.0 0.0 0.0 19.1 Import(7.3 13.9 2.9 -18.9 18.8 0.0 0.0 1.3 25.3 +ve)/Export(-ve)
3 4 5 6 7	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	2 2 2 2 2 1 1 1 TERNATIONAL EX: Line 400kV MANGDECHH 1,2&3 ic. ALIPURDU.	577 1322 234 1116 0 0 0 CHANGES Name U-ALIPURDUAR AR RECEIPT (from	0 0 1595 1784 0 0 0 74 WR-SR	7.3 13.9 2.9 0.2 18.8 0.0 0.0 1.3 44.4	0.0 0.0 0.0 19.1 0.0 0.0 0.0 0.0 19.1 Import(7.3 13.9 2.9 -18.9 18.8 0.0 0.0 1.3 25.3 +ve)/Export(-ve) Energy Exchange
3 4 5 6 7	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMMBAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region	2 2 2 2 1 1 1 TERNATIONAL EX Line 400kV MANGDECHH 1,2&3 i.e. ALIPURDU. MANGDECHH HEP 4	577 1322 234 1116 0 0 0 CHANGES Name UL-ALIPURDUAR AR RECEIPT (from P180MW)	0 0 1.595 1.784 0 0 0 74 WR-SR	7.3 13.9 2.9 0.2 18.8 0.0 0.0 1.3 44.4 Min (MW)	0.0 0.0 0.0 19.1 0.0 0.0 0.0 19.1 Import(Avg (MW)	7.3 13.9 2.9 -18.9 18.8 0.0 0.0 1.3 25.3 +ve)/Export(-ve) Energy Exchange
3 4 5 6 7	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMMBAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region	2 2 2 2 2 1 1 1 TERNATIONAL EX: Line 400kV MANGDECHH 1,2&3 i.e. ALIPURDU, MANGDECHH HEF 4 400kV TALA-BINAGI	577 1322 234 1116 0 0 0 0 CHANGES Name U-ALIPURDUAR AR RECEIPT (from \$\psi\$ 180MW) [ST 1,24 (& 400KV)]	0 0 1595 1784 0 0 0 74 WR-SR	7.3 13.9 2.9 0.2 18.8 0.0 0.0 1.3 44.4 Min (MW)	0.0 0.0 0.0 19.1 0.0 0.0 0.0 0.0 19.1 Import(Avg (MW)	7.3 13.9 2.9 2.9 18.9 18.8 0.0 0.0 1.3 25.3 +ve)/Export(-ve) Energy Exchange (MII) 15.7
3 4 5 6 7	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER	2 2 2 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1	577 1322 234 1116 0 0 0 CHANGES Name IU-ALIPURDUAR AR RECEIPT (from 9±180MW) IRI 1,24 (& 400KV) RRI 1,24 (& 40KV)	0 0 1.595 1.784 0 0 0 74 WR-SR	7.3 13.9 2.9 0.2 18.8 0.0 0.0 1.3 44.4 Min (MW)	0.0 0.0 0.0 19.1 0.0 0.0 0.0 19.1 Import(Avg (MW)	7.3 13.9 2.9 -18.9 18.8 0.0 0.0 1.3 25.3 +ve)/Export(-ve) Energy Exchange
3 4 5 6 7	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV State	BHADRAWATI B/B RAIGARH-PUCGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER	2 2 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	577 1322 234 1116 0 0 0 CHANGES Name IU-ALIPURDUAR AR RECEIPT (from P180MW) IRI 1,24 (& 400kV IRI) 1,24 (& 400kV IRI) 1,24 (& 400kV IRI) 1,24 (& 40kV IRI) 1	0 0 1595 1784 0 0 0 74 WR-SR	7.3 13.9 2.9 0.2 18.8 0.0 0.0 1.3 44.4 Min (MW)	0.0 0.0 0.0 19.1 0.0 0.0 0.0 0.0 19.1 Import(Avg (MW)	7.3 13.9 2.9 -18.9 18.8 0.0 0.0 1.3 1.3 25.3 +ve)/Export(-ve) Energy Exchange (MII) 15.7
3 4 5 6 7	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER	2 2 2 2 1 1 TERNATIONAL EX Line 400KV MANGDECHH 1,2&3 ie. ALIPURDU. MANGDECHH HF 24 400KV TALA BINAGU MALBASE - BINAGU MALBASE - BINAGU MALBASE - BIRPAR MALBASE - BIRPAR	577 1322 234 1116 0 0 0 0 CHANGES Name U-ALIPURDUAR AR RECEIPT (from Pt 180MW) RI 1,2.4 (& 400kV RI) Le. BINAGURI A MEP (6+100VW) PARA 1&2 (& 220kV	0 0 1595 1784 0 0 0 74 WR-SR	7.3 13.9 2.9 0.2 18.8 0.0 0.0 1.3 44.4 Min (MW)	0.0 0.0 0.0 19.1 0.0 0.0 0.0 0.0 19.1 Import(Avg (MW)	7.3 13.9 2.9 2.9 18.9 18.8 0.0 0.0 1.3 25.3 +ve)/Export(-ve) Energy Exchange (MII) 15.7
3 4 5 6 7	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV State	BHADRAWATI B/B RAIGARH-PUCGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER	2 2 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	577 1322 234 1116 0 0 0 0 CHANGES Name U-ALIPURDUAR AR RECEIPT (from Pt 180MW) RI 1,2.4 (& 400kV RI) Le. BINAGURI A MEP (6+100VW) PARA 1&2 (& 220kV	0 0 1595 1784 0 0 0 74 WR-SR	7.3 13.9 2.9 0.2 18.8 0.0 0.0 1.3 44.4 Min (MW)	0.0 0.0 0.0 19.1 0.0 0.0 0.0 0.0 19.1 Import(Avg (MW)	7.3 13.9 2.9 -18.9 18.8 0.0 0.0 1.3 15.3 25.3 +ve)/Export(ve) Energy Exchange (MII) 15.7
3 4 5 6 7	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV State	BHADRAWATI B/B RAIGARH-PUCGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER	2 2 2 2 1 1 TERNATIONAL EX Line 400KV MANGDECHH 1,2&3 ie. ALIPURDU. MANGDECHH HF 24 400KV TALA BINAGU MALBASE - BINAGU MALBASE - BINAGU MALBASE - BIRPAR MALBASE - BIRPAR	577 1322 234 1116 0 0 0 0 0 CHANGES Name U-ALIPURDUAR AR RECEIPT (from PISOMW) IRI 1,24 (& 400kV RI) i.e. BINAGURI AMEP (6*170MV) PARA I&2 (& 220kV AMEP (6*170MV) AMEP (6*170MV) PARA I&2 (& 220kV AMEP (6*170MV) RI 1,44 (& 4406KV RI) i.e. BINAGURI AMEP (6*170MV) AMEP (6*170MV) FARA I&2 (& 220kV AMEP (6*170MV) FARA I&2 (& 420kV AMEP (6*170MV)	0 0 1595 1784 0 0 0 74 WR-SR	7.3 13.9 2.9 0.2 18.8 0.0 0.0 1.3 44.4 Min (MW)	0.0 0.0 0.0 19.1 0.0 0.0 0.0 0.0 19.1 Import(Avg (MW)	7.3 13.9 2.9 -18.9 18.8 0.0 0.0 1.3 15.3 25.3 +ve)/Export(ve) Energy Exchange (MII) 15.7
3 4 5 6 7	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV State	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER	2 2 2 2 2 1 1 1 TERNATIONAL EX Line MANDECHH 1,283 ie. ALIPURDU. MANGBECHU HEP 4 400KV TALA BINAGU MALBASE - BINAGU FURTUR MALBASE - BINAGU MALBASE - BINAGU FURTUR	577 1322 234 1116 0 0 0 0 0 CHANGES Name U-ALIPURDUAR AR RECEIPT (from PISOMW) IRI 1,24 (& 400kV RI) i.e. BINAGURI AMEP (6*170MV) PARA I&2 (& 220kV AMEP (6*170MV) AMEP (6*170MV) PARA I&2 (& 220kV AMEP (6*170MV) RI 1,44 (& 4406KV RI) i.e. BINAGURI AMEP (6*170MV) AMEP (6*170MV) FARA I&2 (& 220kV AMEP (6*170MV) FARA I&2 (& 420kV AMEP (6*170MV)	0 0 1595 1784 0 0 74 WR-SR Max (MW) 671 1018	7.3 13.9 2.9 0.2 18.8 0.0 0.0 1.3 44.4 Min (MW) 0	0.0 0.0 0.0 19.1 0.0 0.0 0.0 0.0 19.1 Import(Avg (MW) 655	7.3 13.9 2.9 2.9 18.9 18.8 0.0 0.0 1.3 25.3 2-ve)/Export(-ve) Energy Exchange (MII) 15.7 24.6
3 4 5 6 7	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV State	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	2 2 2 2 1 1 1 1 TERNATIONAL EX: Line 400KV MANGDECHU HEP 4 400KV TALA.BINAGU MANGDECHU HEP 4 400KV TALA.BINAGU MALBASE - BINAGU RECEIPT (Hron TALIA) RECEIPT (Gron CHU 132kV GELEPHU-SAI	577 1322 234 1116 0 0 0 CCHANGES Name IU-ALIPURDUAR AR RECEIPT (from P 180MW) IRI 1,24 (& 400kV RRI) RI 1,24 (& 400kV RRI) RI 1,24 (& 40kV RRI) LE BIRPARA (& 220kV A) i.e. BIRPARA LEX (& 220kV A) i.e. BIRPARA LEX (& 220kV A) i.e. BIRPARA	0 0 1595 1784 0 0 0 74 WR-SR Max (MW) 671 1018	7.3 13.9 2.9 0.2 18.8 0.0 0.0 1.3 44.4 Min (MW) 0 1011 283	0.0 0.0 0.0 19.1 0.0 0.0 0.0 0.0 19.1 Import(Avg (MW) 655	7.3 13.9 2.9 2.9 18.9 18.8 0.0 0.0 1.3 25.3 2-18.9 Energy Exchange (MU) 15.7 24.6
3 4 5 6 7	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV State	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER	2 2 2 2 2 1 1 1 TERNATIONAL EX Line MANDECHH 1,283 ie. ALIPURDU. MANGBECHU HEP 4 400KV TALA BINAGU MALBASE - BINAGU FURTUR MALBASE - BINAGU MALBASE - BINAGU FURTUR	577 1322 234 1116 0 0 0 CCHANGES Name IU-ALIPURDUAR AR RECEIPT (from P 180MW) IRI 1,24 (& 400kV RRI) RI 1,24 (& 400kV RRI) RI 1,24 (& 40kV RRI) LE BIRPARA (& 220kV A) i.e. BIRPARA LEX (& 220kV A) i.e. BIRPARA LEX (& 220kV A) i.e. BIRPARA	0 0 1595 1784 0 0 74 WR-SR Max (MW) 671 1018	7.3 13.9 2.9 0.2 18.8 0.0 0.0 1.3 44.4 Min (MW) 0	0.0 0.0 0.0 0.0 19.1 0.0 0.0 0.0 0.0 19.1 Import(Avg (MW) 655 1018	7.3 13.9 2.9 1.18.9 18.8 0.0 0.0 1.3 1.3 25.3 +ve)/Export(ve) Energy Exchange (MII) 15.7 24.6 6.9
3 4 5 6 7	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV State	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI ER ER ER NER	2 2 2 2 1 1 1 1 TERNATIONAL EX: Line 400KV MANGDECHU HEP 4 400KV TALA.BINAGU MANGDECHU HEP 4 400KV TALA.BINAGU MALBASE - BINAGU RECEIPT (Hron TALIA) RECEIPT (Gron CHU 132kV GELEPHU-SAI	577 1322 234 1116 0 0 0 CHANGES Name U-ALIPURDUAR AR RECEIPT (from p+180MW) 101 11.24 (k 400kV RR) i.e. BINAGURI A HEP (s+120MW) PARA LR2 (k 220kV A) i.e. BIRPARA KHA HEP 4*84MW) LAKATI	0 0 1595 1784 0 0 0 74 WR-SR Max (MW) 671 1018	7.3 13.9 2.9 0.2 18.8 0.0 0.0 1.3 44.4 Min (MW) 0 1011 283 -21	0.0 0.0 0.0 19.1 0.0 0.0 0.0 19.1 Import(Avg (MW) 655 1018 288	7.3 13.9 2.9 18.9 18.8 0.0 0.0 1.3 25.3 2-2-3 2-4-6 18.7 24.6 6.9 0.7
3 4 5 6 7	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV State	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	2 2 2 2 1 1 1 TERNATIONAL EX Line 400KV MANGDECHH 1,2&3 ic. ALIDERO MALBASE - BINAGU MANG DECLHU HEPA 400KV GALLU 400	577 1322 234 1116 0 0 0 CHANGES Name U-ALIPURDUAR AR RECEIPT (from p+180MW) 101 11.24 (k 400kV RR) i.e. BINAGURI A HEP (s+120MW) PARA LR2 (k 220kV A) i.e. BIRPARA KHA HEP 4*84MW) LAKATI	0 0 1595 1784 0 0 0 74 WR-SR Max (MW) 671 1018	7.3 13.9 2.9 0.2 18.8 0.0 0.0 1.3 44.4 Min (MW) 0 1011 283	0.0 0.0 0.0 0.0 19.1 0.0 0.0 0.0 0.0 19.1 Import(Avg (MW) 655 1018	7.3 13.9 2.9 1.8.9 18.8 0.0 0.0 1.3 1.3 25.3 +ve)/Export(-ve) Energy Exchange (MII) 15.7 24.6 6.9
3 4 5 6 7	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV State	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI ER ER ER NER	2 2 2 2 2 1 1 TERNATIONAL EX Line 400KY MANGDECHH 1,283 ie, ALIPURDU, MANGDECH HEP-9 400KY TALA-BINACH MALBASE - BINACH MALBASE - BINACH MALBASE - BINACH MALBASE - BINACH 132kV GELEPHU-SAI 132kV MOTANGA-RA 132kV MAHENDRAN	577 1322 234 1116 0 0 0 CHANGES Name U-ALIPURDUAR AR RECEIPT (from p+180MW) 101 11.24 (k 400kV RR) i.e. BINAGURI A HEP (s+120MW) PARA LR2 (k 220kV A) i.e. BIRPARA KHA HEP 4*84MW) LAKATI	0 0 1595 1784 0 0 0 74 WR-SR Max (MW) 671 1018	7.3 13.9 2.9 0.2 18.8 0.0 0.0 1.3 44.4 Min (MW) 0 1011 283 -21	0.0 0.0 0.0 19.1 0.0 0.0 0.0 19.1 Import(Avg (MW) 655 1018 288	7.3 13.9 2.9 18.9 18.8 0.0 0.0 1.3 25.3 +ve)/Export(-ve) Energy Exchange (MII) 15.7 24.6 6.9 0.7
3 4 5 6 7	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV State	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI ER ER ER NER	2 2 2 2 2 1 1 TERNATIONAL EX Line 400KY MANGDECHH 1,283 ie, ALIPURDU, MANGDECH HEP-9 400KY TALA-BINACH MALBASE - BINACH MALBASE - BINACH MALBASE - BINACH MALBASE - BINACH 132kV GELEPHU-SAI 132kV MOTANGA-RA 132kV MAHENDRAN	577 1322 234 1116 0 0 0 CCHANGES Name U-ALIPURDUAR AR RECEIPT (from PISOMW) URI 1,24 (& 400kV RI) URI 1,24 (& 400kV RI) LAKATI AMEP (6*170MV) ALAKATI LAKATI ANGIA AGAR-	0 0 1595 1784 0 0 0 74 WR-SR Max (MW) 671 1018	7.3 13.9 2.9 0.2 18.8 0.0 0.0 1.3 44.4 Min (MW) 0 1011 283 -21	0.0 0.0 0.0 19.1 0.0 0.0 0.0 19.1 Import(Avg (MW) 655 1018 288	7.3 13.9 2.9 18.9 18.8 0.0 0.0 1.3 25.3 2-2-3 2-4-6 18.7 24.6 6.9 0.7
3 4 5 6 7	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV State	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 NER	2 2 2 2 1 1 1 TERNATIONAL EX Line 400KV MANGDECH 1,0283 ic. ALDEVEH 400KV MANGDECHU BIRAG MALBASE - BINAGU MANGDECHU BIRAG MALBASE - BINAGU MALBASE - BINAGU MALBASE - BINAGU 132kV GHUE-HBIRAR RECEIPT (from TALL 132kV GELEPHU-SAI 132kV MAHENDRAN TANAKPUR(NHPC)	577 1322 234 1116 0 0 0 CCHANGES Name U-ALIPURDUAR AR RECEIPT (from PISOMW) URI 1,24 (& 400kV RI) URI 1,24 (& 400kV RI) LAKATI AMEP (6*170MV) ALAKATI LAKATI ANGIA AGAR-	0 0 1595 1784 0 0 0 74 WR-SR Max (MW) 671 1018 320 -41	7.3 13.9 2.9 0.2 18.8 0.0 0.0 1.3 44.4 Min (MW) 0 1011 283 -21	0.0 0.0 0.0 0.0 19.1 0.0 0.0 0.0 19.1 Import(Avg (MW) 655 1018 288 30 25	7.3 13.9 2.9 2.9 18.8 18.8 0.0 0.0 1.3 1.3 25.3 +ve)/Export(-ve) Energy Exchange (MII) 15.7 24.6 6.9 0.7
3 4 5 6 7	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV State	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI ER ER ER ER NER NER NER	2 2 2 2 1 1 1 TERNATIONAL EX Line 400kV MANGDECHH 1,2k3 1c. ALPURDU. MANGDECHH HEYA 400kV TALA BINAGU MALBASE - BINAGU 132kV GHUK-HBIRPAR RECEIPT (from TALA 132kV MOTANGA-RA 132kV MOTANGA-RA 132kV MAHENDRAN TANAKPURNHPC) NEPAL IMPORT (FR	577 1322 234 214 1116 0 0 0 CHANGES Name U-ALIPURDUAR AR RECEIPT (from 1918) 1800W) [WI 12.4 (4 400kV RI) i.e. BINAGURI A HEP (6 1 100 MW) PARA 142 (& 220kV A) i.e. BIRPAGURI A HEP (6 1 100 MW) LAKATI NNGIA AGAR- OM BIHAR)	0 0 1595 1784 0 0 0 74 WR-SR Max (MW) 671 1018 320 -41 -35	7.3 13.9 2.9 0.2 18.8 0.0 0.0 1.3 44.4 Min (MW) 0 1011 283 -21 -17	0.0 0.0 0.0 0.0 19.1 0.0 0.0 0.0 19.1 Import(Avg (MW) 655 1018 288 30 25	7.3 13.9 2.9 1.8.9 18.8 0.0 0.0 1.3 25.3 +ve)/Export(-ve) Energy Exchange (MII) 15.7 24.6 6.9 0.7 0.6
3 4 5 6 7	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV State	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 NER	2 2 2 2 1 1 1 TERNATIONAL EX Line 400kV MANGDECHH 1,2k3 1c. ALPURDU. MANGDECHH HEYA 400kV TALA BINAGU MALBASE - BINAGU 132kV GHUK-HBIRPAR RECEIPT (from TALA 132kV MOTANGA-RA 132kV MOTANGA-RA 132kV MAHENDRAN TANAKPURNHPC) NEPAL IMPORT (FR	577 1322 234 1116 0 0 0 CCHANGES Name U-ALIPURDUAR AR RECEIPT (from PISOMW) URI 1,24 (& 400kV RI) URI 1,24 (& 400kV RI) LAKATI AMEP (6*170MV) ALAKATI LAKATI ANGIA AGAR-	0 0 1595 1784 0 0 0 74 WR-SR Max (MW) 671 1018 320 -41	7.3 13.9 2.9 0.2 18.8 0.0 0.0 1.3 44.4 Min (MW) 0 1011 283 -21	0.0 0.0 0.0 19.1 0.0 0.0 0.0 0.0 19.1 Import(Avg (MW) 655 1018 288 30 25 -62	7.3 13.9 2.9 2.9 18.8 18.8 0.0 0.0 1.3 1.3 25.3 +ve)/Export(-ve) Energy Exchange (MII) 15.7 24.6 6.9 0.7
3 4 5 6 7	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV State	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI XELDEM-AMBEWADI ER ER ER IN Region ER ER ER NER NER NER NER NER	2 2 2 2 1 1 1 1 TERNATIONAL EX Line 4006V MANGDECHH 1,283 i.e. ALIPURDU. 4006V MANGDECHI HEPA 4006V MANGDECHI HEPA 4006V GARLE HEPA 4006V GARLE HEPA 1324V GELEPHU-SAI 1324V GELEPHU-SAI 1324V MAHENDRAN TANAKPUR(NHPC) NEPAL IMPORT (FR 4006V DHALKEBAR-	577 1322 234 1116 0 0 0 CHANGES Name U-ALIPURDUAR AR RECEIPT (from P 180MW) ORI 1,24 (& 406W NIGH) AR RECEIPT (from P 180MW) AR BERNAGURI AMEP (6-170MW) AMER (6-170MW) AMER (1-10MW) AM	0 0 1595 1784 0 0 0 0 74 WR-SR WR-SR 1018 320 -41 -35 -82 -217 -185	7.3 13.9 2.9 0.2 18.8 0.0 0.0 1.3 44.4 Min (MW) 0 1011 283 -21 -17 0 -69	0.0 0.0 0.0 0.0 19.1 0.0 0.0 0.0 0.0 19.1 Import(Avg (MW) 655 1018 288 30 25 -62 -149	7.3 13.9 2.9 2.9 18.8 18.8 0.0 0.0 1.3 25.3 +ve)/Export(-ve) Energy Exchange (MII) 15.7 24.6 6.9 0.7 0.6
3 4 5 6 7	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV State	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI ER ER ER ER NER NER NER	2 2 2 2 1 1 1 1 TERNATIONAL EX Line 4006V MANGDECHH 1,283 i.e. ALIPURDU. 4006V MANGDECHI HEPA 4006V MANGDECHI HEPA 4006V GARLE HEPA 4006V GARLE HEPA 1324V GELEPHU-SAI 1324V GELEPHU-SAI 1324V MAHENDRAN TANAKPUR(NHPC) NEPAL IMPORT (FR 4006V DHALKEBAR-	577 1322 234 214 1116 0 0 0 CHANGES Name U-ALIPURDUAR AR RECEIPT (from 1918) 1800W) [WI 12.4 (4 400kV RI) i.e. BINAGURI A HEP (6 1 100 MW) PARA 142 (& 220kV A) i.e. BIRPAGURI A HEP (6 1 100 MW) LAKATI NNGIA AGAR- OM BIHAR)	0 0 1595 1784 0 0 0 74 WR-SR Max (MW) 671 1018 320 -41 -35	7.3 13.9 2.9 0.2 18.8 0.0 0.0 1.3 44.4 Min (MW) 0 1011 283 -21 -17	0.0 0.0 0.0 19.1 0.0 0.0 0.0 0.0 19.1 Import(Avg (MW) 655 1018 288 30 25 -62	7.3 13.9 2.9 -18.9 18.8 0.0 0.0 1.3 25.3 +ve)/Export(-ve) Energy Exchange (MII) 15.7 24.6 6.9 0.7 0.6
3 4 5 6 7 8 8	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV 220 kV	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI ER ER ER NER NER NER NER ER ER	2 2 2 2 1 1 TERNATIONAL EX Line MANGDECHH 1,2&3 i.e. ALIPURDU. MANGDECHH HEPA 400KV TALABASE - BINAGU MALBASE - BINAGU 132kV GHURHABASE 132kV MOTANGA-RA 132kV MAHENDRAN TANAKPUR(NHPC) NEPAL IMPORT (FR 400kV DHALKEBAR- BHERAMARA B/B H	577 1322 2.34 1116 0 0 0 0 0 0 0 0 0	0 0 0 1595 1784 0 0 0 0 74 WR-SR Max (MW) 671 1018 320 -41 -35 -82 -217 -185 -815	7.3 13.9 2.9 0.2 18.8 0.0 0.1 1.3 44.4 Min (MW) 0 1011 283 -21 -17 0 -69	0.0 0.0 0.0 19.1 0.0 0.0 0.0 0.0 19.1 Import(Avg (MW) 655 1018 288 30 25 -62 -149 -147	7.3 13.9 2.9 2.9 18.8 18.8 0.0 0.0 1.3 25.3 +ve)/Export(-ve) Energy Exchange (MII) 15.7 24.6 6.9 0.7 0.6
3 4 5 6 7 8 8	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV State	BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI XELDEM-AMBEWADI ER ER ER IN Region ER ER ER NER NER NER NER NER	2 2 2 2 1 1 1 1 TERNATIONAL EX Line 4006V MANGDECHH 1,283 i.e. ALIPURDU. 4006V MANGDECHI HEPA 4006V MANGDECHI HEPA 4006V GARLE HEPA 4006V GARLE HEPA 1324V GELEPHU-SAI 1324V GELEPHU-SAI 1324V MAHENDRAN TANAKPUR(NHPC) NEPAL IMPORT (FR 4006V DHALKEBAR-	577 1322 2.34 1116 0 0 0 0 0 0 0 0 0	0 0 1595 1784 0 0 0 0 74 WR-SR WR-SR 1018 320 -41 -35 -82 -217 -185	7.3 13.9 2.9 0.2 18.8 0.0 0.0 1.3 44.4 Min (MW) 0 1011 283 -21 -17 0 -69	0.0 0.0 0.0 0.0 19.1 0.0 0.0 0.0 0.0 19.1 Import(Avg (MW) 655 1018 288 30 25 -62 -149	7.3 13.9 2.9 2.9 18.8 18.8 0.0 0.0 1.3 25.3 +ve)/Export(-ve) Energy Exchange (MII) 15.7 24.6 6.9 0.7 0.6