

## 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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Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 25<sup>th</sup> July 2021

Τo,

- 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 24.07.2021.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 24-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 24<sup>th</sup> July 2021, is available at the NLDC website.

धन्यवाद,

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



Date of Reporting: Report for previous day

A. Power Supply Position at All India and Regional level						
	NR	WR	SR	ER	NER	TOTAL
Demand Met during Evening Peak hrs(MW) (at 20:00 hrs; from RLDCs)	63316	46773	38146	23464	3034	174733
Peak Shortage (MW)	200	0	0	0	0	200
Energy Met (MU)	1418	1080	858	483	59	3897
Hydro Gen (MU)	377	26	134	124	29	690
Wind Gen (MU)	14	148	225		-	386
Solar Gen (MU)*	49.04	24.11	91.35	4.57	0.28	169
Energy Shortage (MU)	3.69	0.00	0.00	0.00	0.04	3.73
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	66640	47126	40529	23937	3061	175255
Time Of Maximum Demand Met (From NLDC SCADA)	22:41	09:51	09:28	22:12	19:32	20:42
B. Frequency Profile (%)						

		Max.Demand	Shortage during	Energy Met	Drawal	OD(+)/UD(-)	Max OD	Energy
Region	States	Met during the	maximum	(MU)	Schedule	(MU)	(MW)	Shortag
		dav(MW)	Demand(MW)	(MC)	(MU)	(MC)	(1111)	(MU)
	Punjab	12032	0	272.2	179.8	-0.9	60	0.00
	Haryana	9459	0	202.5	175.4	1.2	274	0.00
	Rajasthan	11547	0	258.8	109.6	0.8	525	0.00
	Delhi	5374	0	113.4	103.2	-3.0	633	0.00
NR	UP	22919	0	440.5	205.1	-1.5	514	0.24
	Uttarakhand	2065	0	45.4	17.5	0.1	127	0.00
	HP	1531	0	30.3	-6.1	-3.3	0	0.00
	J&K(UT) & Ladakh(UT)	2392	100	48.4	23.0	0.1	236	3.45
	Chandigarh	322	0	6.4	6.6	-0.2	40	0.00
	Chhattisgarh	3697	0	85.1	39.5	-0.3	224	0.00
	Gujarat	15732	0	344.8	176.3	-2.5	714	0.00
	MP	8713	0	196.6	117.7	-3.1	462	0.00
WR	Maharashtra	18083	0	397.0	121.1	-4.3	524	0.00
	Goa	563	0	11.4	10.7	0.2	33	0.00
	DD	331	0	7.4	7.2	0.2	51	0.00
	DNH	830	0	19.3	19.3	0.0	41	0.00
	AMNSIL	844	0	18.0	5.2	-0.2	252	0.00
	Andhra Pradesh	7584	0	160.1	35.6	-0.7	365	0.00
	Telangana	8089	0	160.4	39.3	-0.6	550	0.00
SR	Karnataka	7847	0	145.6	0.0	-1.3	843	0.00
	Kerala	3098	0	64.2	23.4	-1.5	153	0.00
	Tamil Nadu	14247	0	318.7	115.7	0.8	950	0.00
	Puducherry	440	0	9.1	9.1	0.0	44	0.00
	Bihar	6516	0	114.2	110.4	-1.3	487	0.00
	DVC	3005	0	64.6	-42.9	-1.0	318	0.00
	Jharkhand	1622	0	29.4	25.1	-0.1	212	0.00
ER	Odisha	5999	0	110.7	35.4	-1.1	421	0.00
	West Bengal	8270	0	162.4	53.1	-0.7	432	0.00
	Sikkim	74	0	1.3	1.5	-0.2	30	0.00
	Arunachal Pradesh	136	0	2.2	2.1	0.1	56	0.01
	Assam	2034	0	39.8	32.5	0.3	119	0.00
	Manipur	187	0	2.5	2.4	0.1	28	0.01
NER	Meghalaya	292	0	5,3	2.3	0.0	22	0.00
	Mizoram	100	0	1.6	1.4	0.0	41	0.01
	Nagaland	138	0	2.5	2.2	-0.1	20	0.01
	Trinura	296	0	47	3.9	-0.5	20	0.00

D. Transnational Exchanges (MU) - Import(+ve)/Export(-ve)

	Bhutan	Nepal	Bangladesh
Actual (MU)	32.5	-2.4	-21.5
Day Peak (MW)	1590.0	-186.5	-926.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	398.1	-215.7	-67.0	-110.8	-4.6	0.0
Actual(MU)	400.5	-211.3	-71.1	-112.9	-6.8	-1.7
O/D/U/D(MU)	2.4	4.4	-4.1	-2.1	-2.2	-1.7

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	7472	16115	10582	660	259	35087	42
tate Sector	9940	21716	11268	4895	11	47830	58
Cotal Cotal	17412	37831	21850	5555	270	82917	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	521	1049	373	493	12	2448	61
Lignite	25	13	44	0	0	81	2
Hydro	377	26	134	124	29	690	17
Nuclear	30	33	42	0	0	105	3
Gas, Naptha & Diesel	22	28	12	0	29	91	2
RES (Wind, Solar, Biomass & Others)	84	172	346	5	0	606	15
Total	1059	1320	951	621	70	4021	100
or appoint a discon							i
Share of RES in total generation (%)	7.94	13.00	36.38	0.73	0.40	15.08	
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation(%)	46.37	17.42	54.94	20.65	42.29	34.85	

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.034
Based on State Max Demands	1.064

Dissert on State Max Demantos

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: 25-Jul-2021

SI							Date of Reporting:	25-Jul-2021
No.	Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
	Export of ER (	With NR)			2002	0.0	20.0	20.0
2	HVDC HVDC	ALIPURDUAR-AGRA PUSAULI B/B	2	0	2003 247	0.0	20.8 6.2	-20.8 -6.2
3	765 kV	GAYA-VARANASI	2	0	915	0.0	16.2	-16.2
4	765 kV	SASARAM-FATEHPUR	ī	90	211	0.7	0.0	0.7
5		GAYA-BALIA	1	0	766	0.0	13.8	-13.8
6		PUSAULI-VARANASI	1	0	217	0.0	4.4	-4.4
8	400 kV 400 kV	PUSAULI -ALLAHABAD MUZAFFARPUR-GORAKHPUR	2	0	113 754	0.0	1.6 13.1	-1.6 -13.1
9		PATNA-BALIA	4	0	1334	0.0	24.6	-24.6
10		BIHARSHARIFF-BALIA	2	0	450	0.0	8.1	-8.1
11		MOTIHARI-GORAKHPUR	2	0	467	0.0	7.5	-7.5
12	400 kV	BIHARSHARIFF-VARANASI	2	0	265	0.0	3.3	-3.3
13	220 kV	PUSAULI-SAHUPURI	1	0	140	0.0	2.4 0.0	-2.4
14 15	132 kV 132 kV	SONE NAGAR-RIHAND GARWAH-RIHAND	1	0 20	0	0.0 0.5	0.0	0.0 0.5
16	132 kV	KARMANASA-SAHUPURI	i	0	0	0.0	0.0	0.0
17		KARMANASA-CHANDAULI	1	Õ	0	0.0	0.0	0.0
					ER-NR	1.1	122.0	-120.8
	Export of ER (		· .	205				
1		JHARSUGUDA-DHARAMJAIGARH	4	395	1114	0.0	5.6	-5.6
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1755	0	27.2	0.0	27.2
3	765 kV	JHARSUGUDA-DURG	2	231	0	2.9	0.0	2.9
4	400 kV	JHARSUGUDA-RAIGARH	4	144	253	0.0	1.2	-1.2
5	400 kV	RANCHI-SIPAT	2	433	0	8.6	0.0	8.6
6	220 kV	BUDHIPADAR-RAIGARH	1	0	117	0.0	1.8	-1.8
7		BUDHIPADAR-KORBA	2	124	0	1.6	0.0	1.6
					ER-WR	40.4	8.5	31.9
	Export of ER (							
1		JEYPORE-GAZUWAKA B/B	2	298	0	7.4	0.0	7.4
2		TALCHER-KOLAR BIPOLE	2	0	1092	0.0	24.2	-24.2
3	765 kV 400 kV	ANGUL-SRIKAKULAM	2	0 802	2144 300	0.0	30.9 0.0	-30.9
5	220 kV	TALCHER-I/C BALIMELA-UPPER-SILERRU	1	802	0	3.8 0.0	0.0	3.8 0.0
<u> </u>	ALU KY	D.I.D.MEDA-GITER-GILERRU	, 1	, 1	ER-SR	7.4	55.1	-47.8
Import/	Export of ER (	With NER)						
1	400 kV	BINAGURI-BONGAIGAON	2	0	370	0.0	3.6	-3.6
2	400 kV	ALIPURDUAR-BONGAIGAON	2	0	325	0.0	3.3	-3.3
3	220 kV	ALIPURDUAR-SALAKATI	2	0	110 ED NED	0.0	1.8	-1.8
Import/	Export of NER	(With NR)			ER-NER	0.0	8.6	-8.6
1	HVDC	BISWANATH CHARIALI-AGRA	2.	0	704	0.0	17.1	-17.1
	пурс	DISWANATH CHARIALI-AGRA		· · ·	NER-NR	0.0	17.1	-17.1
Import/	Export of WR	(With NR)				010		*/**
1	HVDC	CHAMPA-KURUKSHETRA	2	0	5040	0.0	75.6	-75.6
2	HVDC	VINDHYACHAL B/B		0	254	0.0	5.6	-5.6
3		MUNDRA-MOHINDERGARH	2	0	1638	0.0	27.4	-27.4
5		GWALIOR-AGRA GWALIOR-PHAGI	2	0	3301	0.0	59.3 38.9	-59.3 -38.9
6	765 kV	JABALPUR-ORAI	2	0	2137 1489	0.0	52.6	-52.6
7		GWALIOR-ORAI	1	693	0	13.3	0.0	13.3
8		SATNA-ORAI	1	0	1654	0.0	31.5	-31.5
9	765 kV	BANASKANTHA-CHITORGARH	2	606	460	0.0	1.6	-1.6
10		ZERDA-KANKROLI	1	161	67	1.0	0.0	1.0
11		ZERDA -BHINMAL	1	203 962	128	1.3 22.0	0.0	1.3 22.0
12		VINDHYACHAL -RIHAND	2	0	0 788	0.0	11.8	-11.8
1 13 1								-2.3
13	400 kV	RAPP-SHUJALPUR BHANPURA-RANPUR	1	1 0	145	0.0	2.3	
13 14 15		BHANPURA-RANPUR BHANPURA-MORAK	1 1	0	145 30	0.0 0.0	2.3 1.9	-2.3 -1.9
14 15 16	400 kV 220 kV 220 kV 220 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA	1 1 1	0 78	30 17	0.0 0.1	1.9 0.4	-1.9 -0.3
14 15 16 17	400 kV 220 kV 220 kV 220 kV 220 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA	1 1 1 1	78 44	30 17 48	0.0 0.1 0.4	1.9 0.4 0.1	-1.9 -0.3 0.4
14 15 16 17 18	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR	1 1 1 1 1	78 44 0	30 17 48 0	0.0 0.1 0.4 0.0	1.9 0.4 0.1 0.0	-1.9 -0.3 0.4 0.0
14 15 16 17	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA	1 1 1 1 1 1 2	78 44	30 17 48 0	0.0 0.1 0.4 0.0 0.0	1.9 0.4 0.1 0.0 0.0	-1.9 -0.3 0.4 0.0 0.0
14 15 16 17 18 19	400 kV 220 kV 220 kV 220 kV 220 kV 220 kV 132 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALLOR-SAWAI MADHOPUR RAJGHAT-LALITPUR		78 44 0	30 17 48 0	0.0 0.1 0.4 0.0	1.9 0.4 0.1 0.0	-1.9 -0.3 0.4 0.0
14 15 16 17 18 19	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B		78 44 0	30 17 48 0	0.0 0.1 0.4 0.0 0.0	1.9 0.4 0.1 0.0 0.0	-1.9 -0.3 0.4 0.0 0.0
14 15 16 17 18 19 Import/1	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV /Export of WR (HVDC)	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR	2	0 78 44 0 0 0	30 17 48 0 0 WR-NR	0.0 0.1 0.4 0.0 0.0 38.1	1.9 0.4 0.1 0.0 0.0 309.0	-1.9 -0.3 0.4 0.0 0.0 -270.9
14 15 16 17 18 19 Import/1 1 2	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV HVDC HVDC 765 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPURA-URAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SB, BHADRAWATI B/B RAJGARH-PUGALUR SOLAPUR-RAJCHUR	2 2 2 2 2	0 78 44 0 0 0 794 2015	30 17 48 0 0 WR-NR	0.0 0.1 0.4 0.0 0.0 38.1 12.8 38.3 21.7	1.9 0.4 0.1 0.0 0.0 309.0 0.0 0.0 0.0	-1.9 -0.3 0.4 0.0 0.0 -270.9 12.8 38.3 21.7
14 15 16 17 18 19 Import/1 1 2 3 4	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV /Export of WR HVDC HVDC 765 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD	2 2 2 2 2	0 78 44 0 0 0 794 2015 1981 770	30 17 48 0 0 WR-NR 0 289 1398	0.0 0.1 0.4 0.0 0.0 38.1 12.8 38.3 21.7 2.2	1.9 0.4 0.1 0.0 0.0 309.0 0.0 0.0 0.0 0.0 8.8	-1.9 -0.3 -0.4 -0.0 -0.0 -270.9 -12.8 -38.3 -21.7 -6.6
14 15 16 17 18 19 Import/1 1 2 3 4	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV /Export of WR HVDC HVDC 765 kV 400 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPURA-URAIYA GWALIOR-SAWAI MADHOPUR RAIGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAIGHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI	2 2 2 2 2 2	0 78 44 0 0 0 794 2015 1981 770 1364	30 17 48 0 0 WR-NR 0 0 289 1398	0.0 0.1 0.4 0.0 0.0 38.1 12.8 38.3 21.7 2.2 24.3	1.9 0.4 0.1 0.0 0.0 0.0 309.0 0.0 0.0 0.0 0.0 0.0	-1.9 -0.3 -0.4 -0.0 -270.9 -12.8 -38.3 -21.7 -6.6 -24.3
14 15 16 17 18 19 Import/1 2 3 4 5	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 140 kV 150 kV 150 kV 160 kV 16	BHANPURA-RANPUR 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	2 2 2 2 2	78 44 0 0 0 794 2015 1981 770 1364 0	30 17 48 0 0 WR-NR 0 289 1398	0.0 0.1 0.4 0.0 0.0 38.1 12.8 38.3 21.7 2.2 24.3 0.0	1.9 0.4 0.1 0.0 0.0 0.0 309.0  0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	-1.9 -0.3 -0.4 -0.0 -0.0 -270.9 -12.8 -38.3 -21.7 -6.6 -24.3 -0.0
14 15 16 17 18 19 Import/1 1 2 3 4	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV HVDC HVDC 765 kV 400 kV 220 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPURA-URAHYA GWALIOR-SAWAI MADHOPUR RAIGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAIGHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI	2 2 2 2 2 2	0 78 44 0 0 0 794 2015 1981 770 1364	30 17 48 0 0 WR-NR 0 0 289 1398 0 0	0.0 0.1 0.4 0.0 0.0 38.1 12.8 38.3 21.7 2.2 24.3	1.9 0.4 0.1 0.0 0.0 0.0 309.0 0.0 0.0 0.0 0.0 0.0	-1.9 -0.3 -0.4 -0.0 -270.9 -12.8 -38.3 -21.7 -6.6 -24.3
14   15   16   17   18   19   1   2   3   4   5   6   7	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV HVDC HVDC 765 kV 400 kV 220 kV	BHANPURA-RANPUR 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	2 2 2 2 2 2	0 78 44 0 0 794 2015 1981 770 1364 0	30 17 48 0 0 WR-NR 0 0 289 1398 0 0	0.0 0.1 0.4 0.0 0.0 38.1 12.8 38.3 21.7 2.2 24.3 0.0	1.9 0.4 0.1 0.0 0.0 309.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	1.9 -0.3 0.4 0.0 0.0 -270.9 12.8 38.3 21.7 -6.6 24.3 0.0
14   15   16   17   18   19   1   2   3   4   5   6   7	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV HVDC HVDC 765 kV 400 kV 220 kV	BHANPURA-RANPUR 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	2 2 2 2 2 2	78 44 0 0 794 2015 1981 770 1364 0 0	30 17 48 0 0 WR-NR 0 0 289 1398 0 0	0.0 0.1 0.4 0.0 0.0 38.1 12.8 38.3 21.7 2.2 24.3 0.0 0.0	1.9 0.4 0.1 0.0 0.0 309.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	1.9 -0.3 -0.4 -0.0 -0.0 -270.9 -12.8 -38.3 -21.7 -6.6 -24.3 -0.0 -0.0 -0.0 -1.4
14   15   16   17   18   19   1   1   2   3   4   5   6   7   8   1	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV HVDC HVDC HVDC T65 kV 400 kV 220 kV 220 kV	BHANPURA-RANPUR 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 IN	2 2 2 2 2 2 2 2 1 1 TERNATIONAL EXC	0 78 44 0 0 794 2015 1981 770 1364 0 0	30 17 48 0 0 WR-NR 0 0 289 1398 0 0 0 WR-SR	0.0 0.1 0.4 0.0 0.0 38.1 12.8 38.3 21.7 2.2 24.3 0.0 1.4 100.7	1.9 0.4 0.1 0.0 0.0 0.0 309.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	1.9 -0.3 -0.4 -0.0 -0.0 -270.9 -12.8 -38.3 -21.7 -6.6 -24.3 -0.0 -0.0 -0.0 -0.0 -1.4 -1.4 -1.4 -1.4
14   15   16   17   18   19   1   1   2   3   4   5   6   7   8   1	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV HVDC HVDC 765 kV 400 kV 220 kV	BHANPURA-RANPUR 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	2 2 2 2 2 2 2 1 1 1 TERNATIONAL EXC	0 78 44 0 0 1 794 2015 1981 770 1364 0 0	30 17 48 0 0 WR-NR 0 0 289 1398 0 0	0.0 0.1 0.4 0.0 0.0 38.1 12.8 38.3 21.7 2.2 24.3 0.0 0.0	1.9 0.4 0.1 0.0 0.0 309.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	1.9 -0.3 -0.4 -0.0 -0.0 -0.0 -270.9 -270.9 -270.9 -24.3 -24.3 -0.0 -1.4 -92.0 -+ve)/Export(-ve)
14   15   16   17   18   19   1   1   2   3   4   5   6   7   8   1	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV HVDC HVDC HVDC T65 kV 400 kV 220 kV 220 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIORSAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAIGHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region	2 2 2 2 2 2 2 1 1 TERNATIONAL EXC	0 78 44 44 40 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	30 17 48 0 0 WR-NR 0 289 1398 0 0 0 77 WR-SR	0.0 0.1 0.4 0.0 0.0 38.1 12.8 38.3 21.7 2.2 24.3 0.0 0.0 1.4 100.7	1.9 0.4 0.1 0.0 0.0 0.0 309.0  0.0 0.0 0.0 0.0 0.0 8.8 0.0 0.0 0.0	1.9 -0.3 -0.4 -0.0 -0.0 -270.9 -270.9 -220.9 -24.3 -24.3 -0.0 -24.3 -24.
14   15   16   17   18   19   1   1   2   3   4   5   6   7   8   1	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV HVDC HVDC HVDC T65 kV 400 kV 220 kV 220 kV	BHANPURA-RANPUR 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 IN	2 2 2 2 2 2 2 1 1 1 TERNATIONAL EXC Line 4/400kV MANGDECHH 1,2&3 i.e. ALIPURDU	0 78 78 44 44 0 0 0 78 79 79 79 79 79 79 79 79 79 79 79 79 79	30 17 48 0 0 WR-NR 0 0 289 1398 0 0 0 WR-SR	0.0 0.1 0.4 0.0 0.0 38.1 12.8 38.3 21.7 2.2 24.3 0.0 1.4 100.7	1.9 0.4 0.1 0.0 0.0 0.0 309.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	-1.9 -0.3 -0.4 -0.0 -0.0 -270.9 -270.9 -220.9 -24.3 -24.3 -2.0 -0.0 -24.3 -2.0 -1.4 -+ve)/Export(-ve)
14   15   16   17   18   19   1   1   2   3   4   5   6   7   8   1	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV HVDC HVDC HVDC T65 kV 400 kV 220 kV 220 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIORSAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAIGHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region	2 2 2 2 2 2 1 1 TERNATIONAL EXC Line 400kV MANGDECHH 1,2&3 i.e. ALIPURDU MANGDECHU HEP 4	0 78 44 44 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	30 17 48 0 0 WR-NR 0 289 1398 0 0 0 77 WR-SR	0.0 0.1 0.4 0.0 0.0 38.1 12.8 38.3 21.7 2.2 24.3 0.0 0.0 1.4 100.7	1.9 0.4 0.1 0.0 0.0 0.0 309.0  0.0 0.0 0.0 0.0 0.0 8.8 0.0 0.0 0.0	1.9 -0.3 -0.4 -0.0 -0.0 -270.9 -270.9 -220.9 -24.3 -24.3 -0.0 -0.0 -1.4 -4.0 -4.0 -4.0 -4.0 -4.0 -4.0 -4.0 -4
14   15   16   17   18   19   1   1   2   3   4   5   6   7   8   1	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV HVDC HVDC HVDC T65 kV 400 kV 220 kV 220 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIORSAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAIGHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region	2 2 2 2 2 2 2 1 1 1 TERNATIONAL EXC Line 4/400kV MANGDECHH 1,2&3 i.e. ALIPURDU	0 78 78 44 44 0 0 0 78 78 78 78 78 78 78 78 78 78 78 78 78	30 17 48 0 0 WR-NR 0 289 1398 0 0 0 77 WR-SR	0.0 0.1 0.4 0.0 0.0 38.1 12.8 38.3 21.7 2.2 24.3 0.0 0.0 1.4 100.7	1.9 0.4 0.1 0.0 0.0 0.0 309.0  0.0 0.0 0.0 0.0 0.0 8.8 0.0 0.0 0.0	1.9 -0.3 -0.4 -0.0 -0.0 -270.9 -270.9 -220.9 -24.3 -24.3 -0.0 -0.0 -1.4 -4.0 -4.0 -4.0 -4.0 -4.0 -4.0 -4.0 -4
14   15   16   17   18   19   1   1   2   3   4   5   6   7   8   1	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV HVDC HVDC HVDC T65 kV 400 kV 220 kV 220 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUNGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER	2 2 2 2 2 2 1 1 TERNATIONAL EXC Line 400kV MANGDECHH 1,2k3 i.e. ALIPURDU MANGDECHH HEP 4 400kV TALA-BINAGU MANGDECH HEP 1 400kV MANGA BANGE BINAGU	0 78 44 44 40 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	30 17 48 0 0 WR-NR 0 0 289 1398 0 0 77 WR-SR	0.0 0.1 0.4 0.0 0.0 38.1 12.8 38.3 21.7 2.2 24.3 0.0 1.4 100.7	1.9 0.4 0.1 0.0 0.0 309.0  0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	1.9 -0.3 -0.4 -0.0 -0.0 -0.0 -270.9 -270.9 -28 -38.3 -21.7 -6.6 -24.3 -0.0 -1.4 -92.0 -+ve)/Export(-ve) Energy Exchange (MU) -15.5
14 15 16 17 18 19 Import/ 1 2 3 4 5 6 7	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV Export of WR HVDC HVDC 765 kV 765 kV 220 kV 220 kV 220 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIORSAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER	2 2 2 2 2 2 2 1 1 1 TERNATIONAL EXC Line 400RV MANGDECHH 1,283 i.e. ALIPURDU MANGDECHH 400RV TALA-BINAGU RECEIPT (from TAL) RECEIPT (from TAL)	0 78 44 44 0 0 0 1 794 1 794 1 794 1 794 1 794 1 794 1 794 1 794 1 796 1	30 17 48 0 0 WR-NR 0 0 289 1398 0 0 0 0 77 WR-SR	0.0 0.1 0.4 0.0 0.0 38.1 12.8 38.3 21.7 2.2 24.3 0.0 1.4 100.7	1.9 0.4 0.1 0.0 0.0 309.0  0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	1.9 -0.3 -0.4 -0.0 -0.0 -0.0 -270.9 -270.9 -220.9 -24.3 -24.3 -0.0 -1.4 -92.0 -+ve)/Export(-ve) Energy Exchange (MU) -15.5 -9.1
14 15 16 17 18 19 Import/ 1 2 3 4 5 6 7	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV HVDC HVDC HVDC T65 kV 400 kV 220 kV 220 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUNGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER	2 2 2 2 2 2 2 2 1 1 1 TERNATIONAL EX Line 400KV MANGBECHH 1,2&3 i.e. ALIPURDU MANGBECHU HEF 4 400KV TALA BINAGU MALBASE - BINAGU MALBASE - BINAGU MALBASE - BIRAGU MALBASE - BIRAGU	0 78 144 44 00 0 0 1 794 12015 1981 1364 0 0 0 1 1364 10 0 0 1 1364 10 0 0 1 14 15 15 15 15 15 15 15 15 15 15 15 15 15	30 17 48 0 0 WR-NR 0 0 289 1398 0 0 77 WR-SR	0.0 0.1 0.4 0.0 0.0 38.1 12.8 38.3 21.7 2.2 24.3 0.0 1.4 100.7	1.9 0.4 0.1 0.0 0.0 309.0  0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	1.9 -0.3 -0.4 -0.0 -0.0 -0.0 -270.9 -270.9 -28 -38.3 -21.7 -6.6 -24.3 -0.0 -1.4 -22.0 -+ve)/Export(-ve) Energy Exchange (MU) -15.5
14 15 16 17 18 19 Import/ 1 2 3 4 5 6 7	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV Export of WR HVDC HVDC 765 kV 765 kV 220 kV 220 kV 220 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIORSAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER	2 2 2 2 2 2 2 1 1 1 TERNATIONAL EXC Line 400RV MANGDECHH 1,283 i.e. ALIPURDU MANGDECHH 400RV TALA-BINAGU RECEIPT (from TAL) RECEIPT (from TAL)	0 78 144 44 00 0 0 1 794 12015 1981 1364 0 0 0 1 1364 10 0 0 1 1364 10 0 0 1 14 15 15 15 15 15 15 15 15 15 15 15 15 15	30 17 48 0 0 WR-NR 0 0 289 1398 0 0 0 0 77 WR-SR	0.0 0.1 0.4 0.0 0.0 38.1 12.8 38.3 21.7 2.2 24.3 0.0 1.4 100.7	1.9 0.4 0.1 0.0 0.0 309.0  0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	1.9 -0.3 -0.4 -0.0 -0.0 -0.0 -270.9 -270.9 -220.9 -24.3 -24.3 -0.0 -1.4 -92.0 -+ve)/Export(-ve) Energy Exchange (MU) -15.5 -9.1
14 15 16 17 18 19 Import/ 1 2 3 4 5 6 7	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV Export of WR HVDC HVDC 765 kV 765 kV 220 kV 220 kV 220 kV	BHANPURA-RANPUR 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 IN Region ER ER ER	2 2 2 2 2 2 2 2 1 1 1 TERNATIONAL EX Line 400kV MANGDECHH 1,2k3 i.e. ALIPURDU MANGDECHH HF 24 400kV TALA BINAGI MALBASE - BINAGU MALBASE - BINAGU MALBASE - BIRGAR RECEIPT (from TAL/	0 78 144 44 0 0 0 0 1 794 1 2015 1 981 1 364 1 0 0 0 1 1 364 1 0 0 0 1 1 364 1 0 0 0 0 1 1 364 1 0 0 0 0 1 1 364 1 0 0 0 0 1 1 364 1 0 0 0 0 1 1 364 1 0 0 0 0 1 1 364 1 0 0 0 0 1 1 364 1 0 0 0 0 1 1 364 1 0 0 0 0 1 1 364 1 0 0 0 0 0 1 1 364 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	30 17 48 0 0 WR-NR 0 289 289 1398 0 0 77 WR-SR Max (MW)	0.0 0.1 0.4 0.4 0.9 0.0 38.1 12.8 38.3 21.7 2.2 24.3 0.0 0.0 1.4 100.7  Min (MW) 622	1.9 0.4 0.1 0.0 0.0 309.0  0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	1.9 -0.3 -0.4 -0.0 -0.0 -0.0 -270.9 -270.9 -270.9 -21.8 -38.3 -21.7 -6.6 -24.3 -0.0 -1.4 -22.0 -+ve)/Export(-ve) Energy Exchange (MU)
14 15 16 17 18 19 Import/ 1 2 3 4 5 6 7	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV Export of WR HVDC HVDC 765 kV 765 kV 220 kV 220 kV 220 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIORSAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER	2 2 2 2 2 2 2 2 1 1 1 TERNATIONAL EX Line 400KV MANGBECHH 1,2&3 i.e. ALIPURDU MANGBECHU HEF 4 400KV TALA BINAGU MALBASE - BINAGU MALBASE - BINAGU MALBASE - BIRAGU MALBASE - BIRAGU	0 78 144 44 0 0 0 0 1 794 1 2015 1 981 1 364 1 0 0 0 1 1 364 1 0 0 0 1 1 364 1 0 0 0 0 1 1 364 1 0 0 0 0 1 1 364 1 0 0 0 0 1 1 364 1 0 0 0 0 1 1 364 1 0 0 0 0 1 1 364 1 0 0 0 0 1 1 364 1 0 0 0 0 1 1 364 1 0 0 0 0 1 1 364 1 0 0 0 0 0 1 1 364 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	30 17 48 0 0 WR-NR 0 0 289 1398 0 0 0 0 77 WR-SR	0.0 0.1 0.4 0.0 0.0 38.1 12.8 38.3 21.7 2.2 24.3 0.0 1.4 100.7	1.9 0.4 0.1 0.0 0.0 0.0 309.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	1.9 -0.3 -0.4 -0.0 -0.0 -0.0 -270.9 -270.9 -220.9 -24.3 -24.3 -0.0 -1.4 -92.0 -+ve)/Export(-ve) Energy Exchange (MU) -15.5 -9.1
14 15 16 17 18 19 Import/1 1 2 3 4 5 6 7	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV Export of WR HVDC HVDC 765 kV 765 kV 220 kV 220 kV 220 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIORSAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGABH-PUGALUR SOLAPUR-RAJURAUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-AUBABAD KOLHAPUR-AUBABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI IN Region  ER  ER  ER	2 2 2 2 2 2 2 1 1 TERNATIONAL EXC Line 400kV MANGDECHH 1,2x3.ic. ALIPURDU MANGDECHH 1,2x3.ic. ALIPURDU MANGDECHH HEP 4 400kV TALA BINAGU RECEIPT (from TAL) RECEIPT (from CHU 132kV GELEPHU-SAI	0 78 78 44 44 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	30 17 48 0 WR-NR 0 0 289 1398 0 0 0 77 WR-SR Max (MW) 635	0.0 0.1 0.4 0.0 0.0 38.1 12.8 38.3 21.7 2.2 24.3 0.0 1.4 100.7  Min (MW) 622 232	1.9 0.4 0.1 0.0 0.0 309.0  0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	1.9 -0.3 -0.4 -0.0 -0.0 -0.0 -270.9  12.8 38.3 -21.7 -6.6 -24.3 -0.0 -1.4 -92.0 +ve)/Export(-ve) Energy Exchange (MU) -15.5  9.1  6.1
14 15 16 17 18 19 Import/1 1 2 3 4 5 6 7	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV Export of WR HVDC HVDC 765 kV 765 kV 220 kV 220 kV 220 kV	BHANPURA-RANPUR 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 IN Region ER ER ER	2 2 2 2 2 2 2 2 1 1 1 TERNATIONAL EX Line 400kV MANGDECHH 1,2k3 i.e. ALIPURDU MANGDECHH HF 24 400kV TALA BINAGI MALBASE - BINAGU MALBASE - BINAGU MALBASE - BIRGAR RECEIPT (from TAL/	0 78 78 44 44 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	30 17 48 0 0 WR-NR 0 289 289 1398 0 0 77 WR-SR Max (MW)	0.0 0.1 0.4 0.4 0.9 0.0 38.1 12.8 38.3 21.7 2.2 24.3 0.0 0.0 1.4 100.7  Min (MW) 622	1.9 0.4 0.1 0.0 0.0 0.0 309.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	1.9 -0.3 -0.4 -0.0 -0.0 -0.0 -270.9 -270.9 -270.9 -21.8 -38.3 -21.7 -6.6 -24.3 -0.0 -1.4 -22.0 -+ve)/Export(-ve) Energy Exchange (MU)
14 15 16 17 18 19 Import/1 1 2 3 4 5 6 7	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV Export of WR HVDC HVDC 765 kV 765 kV 220 kV 220 kV 220 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIORSAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGABH-PUGALUR SOLAPUR-RAJURAUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-AUBABAD KOLHAPUR-AUBABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI IN Region  ER  ER  ER	2 2 2 2 2 2 2 2 1 1 1 TERNATIONAL EX Line 400kV MANGDECHH 1,2k3 i.e. ALIPURDU. MANGDECHU HEF 4 400kV TALA. BINAGI MALBASE - BINAGU MALBASE - BINAGU 132kV GHUKHA-BIR RECEIPT (from TAL/ 132kV GELEPHU-SAI 132kV MOTANGA-RA	0 78 44 40 0 0 78 444 0 0 794 2015 1981 770 1364 0 0 CHANGES Name 0 CHANGES Name 180MW) RI 1,2,4 (8,400kV RI) i.e. BINAGURI RIP (6,400kV RI) i.e. BINAGURI REP (6,400kV RI) i.e. BINAGURI REP (6,400kV RI) i.e. BINAGURI REP (6,400kV RI) i.e. BINAGURI ALE (& 220kV ALE RIP REP (6,400kV RIP) i.e. BINAGURI REP (6,400kV RIP)	30 17 48 0 WR-NR 0 0 289 1398 0 0 0 77 WR-SR Max (MW) 635	0.0 0.1 0.4 0.0 0.0 38.1 12.8 38.3 21.7 2.2 24.3 0.0 1.4 100.7  Min (MW) 622 232	1.9 0.4 0.1 0.0 0.0 309.0  0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	1.9 -0.3 -0.4 -0.0 -0.0 -0.0 -270.9  12.8 38.3 -21.7 -6.6 -24.3 -0.0 -1.4 -92.0 +ve)/Export(-ve) Energy Exchange (MU) -15.5  9.1  6.1
14 15 16 17 18 19 Import/ 1 2 3 4 5 6 7	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV Export of WR HVDC HVDC 765 kV 765 kV 220 kV 220 kV 220 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIORSAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGABH-PUGALUR SOLAPUR-RAJURAUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-AUBABAD KOLHAPUR-AUBABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI IN Region  ER  ER  ER	2 2 2 2 2 2 2 1 1 1 TERNATIONAL EXC  Line 400kV MANGDECHH 1,2k3 i.e. ALIPURDU MANGDECHH 1,2k3 i.e. ALIPURDU MANGDECHH 1,2k3 i.e. ALIPURDU MANGDECHH 1,2k3 i.e. ALIPURDU 1,2k3 i.e. ALIPURDU 1,2k3 i.e. ALIPURDU 1,2k4 i.e. ALIPURDU 1,2k5 i.e. ALIPURDU 1,2k5 i.e. ALIPURDU 1,2k6 i.e. ALIPURDU 1,2k6 i.e. ALIPURDU 1,2k7 i.e. ALIPURD	0 78 44 40 0 0 78 444 0 0 794 2015 1981 770 1364 0 0 CHANGES Name 0 CHANGES Name 180MW) RI 1,2,4 (8,400kV RI) i.e. BINAGURI RIP (6,400kV RI) i.e. BINAGURI REP (6,400kV RI) i.e. BINAGURI REP (6,400kV RI) i.e. BINAGURI REP (6,400kV RI) i.e. BINAGURI ALE (& 220kV ALE RIP REP (6,400kV RIP) i.e. BINAGURI REP (6,400kV RIP)	30 17 48 0 WR-NR 0 0 289 1398 0 0 0 77 WR-SR Max (MW) 635	0.0 0.1 0.4 0.0 0.0 38.1 12.8 38.3 21.7 2.2 24.3 0.0 1.4 100.7  Min (MW) 622 232	1.9 0.4 0.1 0.0 0.0 309.0  0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	1.9 -0.3 -0.4 -0.0 -0.0 -0.0 -270.9  12.8 38.3 -21.7 -6.6 -24.3 -0.0 -1.4 -92.0 +ve)/Export(-ve) Energy Exchange (MU) -15.5  9.1  6.1
14 15 16 17 18 19 Import/ 1 2 3 4 5 6 7	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV Export of WR HVDC HVDC 765 kV 765 kV 220 kV 220 kV 220 kV	BHANPURA-RANPUR 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-CHIKODI PONDA-AMBEWADI IN Region ER ER ER  ER	2 2 2 2 2 2 2 2 1 1 1 TERNATIONAL EX Line 400kV MANGDECHH 1,2k3 i.e. ALIPURDU. MANGDECHU HEF 4 400kV TALA. BINAGI MALBASE - BINAGU MALBASE - BINAGU 132kV GHUKHA-BIR RECEIPT (from TAL/ 132kV GELEPHU-SAI 132kV MOTANGA-RA	0 78 44 40 0 0 78 444 0 0 794 2015 1981 770 1364 0 0 CHANGES Name 0 CHANGES Name 180MW) RI 1,2,4 (8,400kV RI) i.e. BINAGURI RIP (6,400kV RI) i.e. BINAGURI REP (6,400kV RI) i.e. BINAGURI REP (6,400kV RI) i.e. BINAGURI REP (6,400kV RI) i.e. BINAGURI ALE (& 220kV ALE RIP REP (6,400kV RIP) i.e. BINAGURI REP (6,400kV RIP)	30 17 48 0 0 WR-NR 0 289 289 1398 0 0 0 77 WR-SR Max (MW) 635	0.0 0.1 0.1 0.4 0.0 0.0 0.0 38.1 12.8 38.3 21.7 2.2 24.3 0.0 0.0 1.4 100.7  Min (MW) 622 232 235	1.9 0.4 0.1 0.0 0.0 0.0 309.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	1.9 -0.3 -0.4 -0.3 -0.4 -0.0 -0.0 -0.0 -270.9 -12.8 -38.3 -21.7 -6.6 -24.3 -0.0 -0.0 -1.4 -0.0 -0.0 -1.4 -0.0 -0.0 -1.5 -0.5 -0.0 -0.0 -0.0 -0.0 -0.0 -0.0 -0
14 15 15 16 17 18 19 19 10 10 10 10 10 10 10 10 10 10 10 10 10	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV FEXPORT of WR. HYDC 765 kV 765 kV 220 kV 220 kV 220 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPUR-AURAHYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAJGARH-PUGALUR SOLAPUR-RAIGHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI  IN Region  ER  ER  ER  NER  NER	2 2 2 2 2 2 2 1 1 TERNATIONAL EXC Line 400kV MANGDECHH 1,2x3.ic. ALIPURDU MANGDECHH 1,2x3.ic. ALIPURDU MANGDECHH HEP 4 400kV TALA-BINAGU RECEIPT (from TAL) Z20kV CHUKHA-BIR MALBASE - BIRAGU RECEIPT (from CHU 132kV GELEPHU-SAI 132kV MOTANGA-RA 132kV MAHENDRAN TANAKPUR(NHPC)	0 78 44 40 0 0 78 44 41 0 0 794 2015 1981 770 1364 0 0 0 CHANGES Name U-ALIPURDUAR AR RECEIPT (from \$\pi\$ 180 MW) 181 12,4 (\$\pi\$ 400 WV) 181 12,4 (\$\	30 17 48 0 0 WR-NR 0 0 0 289 1398 0 0 77 WR-SR  Max (MW) 635 527 337 25	0.0 0.1 0.4 0.4 0.0 0.0 38.1 12.8 38.3 21.7 2.2 24.3 0.0 1.4 100.7  Min (MW) 622 232 235 20 41	1.9 0.4 0.1 0.0 0.0 309.0  0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	1.9 -0.3 -0.4 -0.0 -0.4 -0.0 -270.9 -270.9 -270.9 -24.3 -38.3 -21.7 -5.6 -24.3 -0.0 -1.4 -22.0 -+ve)/Export(-ve) Energy Exchange (MU) -15.5 -1.1 -1.0
14 15 15 16 17 18 19 19 10 10 10 10 10 10 10 10 10 10 10 10 10	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV Export of WR HVDC HVDC 765 kV 765 kV 220 kV 220 kV 220 kV	BHANPURA-RANPUR 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-CHIKODI PONDA-AMBEWADI IN Region ER ER ER  ER	2 2 2 2 2 2 2 1 1 1 TERNATIONAL EXC  Line 400kV MANGDECHH 1,2k3 i.e. ALIPURDU MANGDECHH 1,2k3 i.e. ALIPURDU MANGDECHH 1,2k3 i.e. ALIPURDU MANGDECHH 1,2k3 i.e. ALIPURDU 1,2k3 i.e. ALIPURDU 1,2k3 i.e. ALIPURDU 1,2k4 i.e. ALIPURDU 1,2k5 i.e. ALIPURDU 1,2k5 i.e. ALIPURDU 1,2k6 i.e. ALIPURDU 1,2k6 i.e. ALIPURDU 1,2k7 i.e. ALIPURD	0 78 44 40 0 0 78 44 41 0 0 794 2015 1981 770 1364 0 0 0 CHANGES Name U-ALIPURDUAR AR RECEIPT (from \$\pi\$ 180 MW) 181 12,4 (\$\pi\$ 400 WV) 181 12,4 (\$\	30 17 48 0 0 WR-NR 0 289 289 1398 0 0 0 77 WR-SR Max (MW) 635	0.0 0.1 0.1 0.4 0.0 0.0 0.0 38.1 12.8 38.3 21.7 2.2 24.3 0.0 0.0 1.4 100.7  Min (MW) 622 232 235	1.9 0.4 0.1 0.0 0.0 0.0 309.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	1.9 -0.3 -0.4 -0.3 -0.4 -0.0 -0.0 -0.0 -270.9 -12.8 -38.3 -21.7 -6.6 -24.3 -0.0 -0.0 -1.4 -0.0 -0.0 -1.4 -0.0 -0.0 -1.5 -0.5 -0.0 -0.0 -0.0 -0.0 -0.0 -0.0 -0
14 15 15 16 17 18 19 19 10 10 10 10 10 10 10 10 10 10 10 10 10	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV FEXPORT of WR. HYDC 765 kV 765 kV 220 kV 220 kV 220 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPUR-AURAHYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAJGARH-PUGALUR SOLAPUR-RAIGHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI  IN Region  ER  ER  ER  NER  NER	2 2 2 2 2 2 2 1 1 TERNATIONAL EXC Line 400kV MANGDECHH 1,2x3.ic. ALIPURDU MANGDECHH 1,2x3.ic. ALIPURDU MANGDECHH HEP 4 400kV TALA-BINAGU RECEIPT (from TAL) Z20kV CHUKHA-BIR MALBASE - BIRAGU RECEIPT (from CHU 132kV GELEPHU-SAI 132kV MOTANGA-RA 132kV MAHENDRAN TANAKPUR(NHPC)	0 78 44 40 0 0 78 44 41 0 0 794 2015 1981 770 1364 0 0 0 CHANGES Name U-ALIPURDUAR AR RECEIPT (from \$\pi\$ 180 MW) 181 12,4 (\$\pi\$ 400 WV) 181 12,4 (\$\	30 17 48 0 0 WR-NR 0 0 0 289 1398 0 0 77 WR-SR  Max (MW) 635 527 337 25	0.0 0.1 0.4 0.4 0.0 0.0 38.1 12.8 38.3 21.7 2.2 24.3 0.0 1.4 100.7  Min (MW) 622 232 235 20 41	1.9 0.4 0.1 0.0 0.0 309.0  0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	1.9 -0.3 -0.4 -0.0 -0.4 -0.0 -0.0 -270.9  12.8 38.3 -21.7 -5.6 -24.3 -0.0 -1.4 -22.0 -+ve)/Export(-ve) Energy Exchange (MU)
14 15 15 16 17 18 19 19 10 10 10 10 10 10 10 10 10 10 10 10 10	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV FEXPORT of WR. HYDC 765 kV 765 kV 220 kV 220 kV 220 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIORSAWAI MADHOPUR RAIGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAIGHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI REGION ER	2 2 2 2 2 2 2 1 1 1 TERNATIONAL EXC  1 2 1 1  TERNATIONAL EXC  Line 400kV MANGDECHH 1,2k3 i.e. ALIPURDU MANGDECHH 1,2k3 i.e. ALIPURDU MANGDECHH 1,2k3 i.e. ALIPURDU MANGDECHHE 1,2k3 i.e. ALIPURDU MANGDECHHE 1,2k3 i.e. ALIPURDU MANGDECHHE 1,2k3 i.e. ALIPURDU MANGDECHHE 1,2k3 i.e. ALIPURDU MALBASE - BINAGU BECEIPT (from TAL- MALBASE - BINAGU BECEIPT (from TAL- MALBASE) 132kV MOTANGA-RA 132kV MOTANGA-RA 132kV MAHENDRAN TANAKPUR(NHPC) NEPAL IMPORT (FR	0 78 44 40 0 0 78 44 41 0 0 794 2015 1981 770 1364 0 0 0 CHANGES Name U-ALIPURDUAR AR RECEIPT (from \$\pi\$ 180 MW) 181 12,4 (\$\pi\$ 400 WV) 181 12,4 (\$\	30 17 48 0 0 WR-NR 0 0 0 289 1398 0 0 77 WR-SR  Max (MW) 635 527 337 25	0.0 0.1 0.4 0.0 0.0 0.0 38.1 12.8 38.3 21.7 2.2 24.3 0.0 0.0 1.4 100.7  Min (MW) 622 232 235 20 41	1.9 0.4 0.1 0.0 0.0 309.0  0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	1.9 -0.3 -0.4 -0.0 -0.0 -0.0 -270.9  12.8 38.3 -21.7 -6.6 -24.3 -0.0 -1.4 -1.4 -1.5 -1.5  9.1  6.1  0.5  1.2 -1.0
14 15 15 16 17 18 18 19 1 12 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 1 2 1	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV FEXPORT of WR. HYDC 765 kV 765 kV 220 kV 220 kV 220 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPUR-AURAHYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAJGARH-PUGALUR SOLAPUR-RAIGHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI  IN Region  ER  ER  ER  NER  NER	2 2 2 2 2 2 2 1 1 1 TERNATIONAL EXC  1 2 1 1  TERNATIONAL EXC  Line 400kV MANGDECHH 1,2k3 i.e. ALIPURDU MANGDECHH 1,2k3 i.e. ALIPURDU MANGDECHH 1,2k3 i.e. ALIPURDU MANGDECHHE 1,2k3 i.e. ALIPURDU MANGDECHHE 1,2k3 i.e. ALIPURDU MANGDECHHE 1,2k3 i.e. ALIPURDU MANGDECHHE 1,2k3 i.e. ALIPURDU MALBASE - BINAGU BECEIPT (from TAL- MALBASE - BINAGU BECEIPT (from TAL- MALBASE) 132kV MOTANGA-RA 132kV MOTANGA-RA 132kV MAHENDRAN TANAKPUR(NHPC) NEPAL IMPORT (FR	0 78 1 44 44 0 0 0 0 1 794 2015 1 981 1 770 1 364 1 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0	30 17 48 0 0 WR-NR 0 0 289 1398 0 0 77 WR-SR  Max (MW) 635 527 337 25 66	0.0 0.1 0.4 0.4 0.0 0.0 38.1 12.8 38.3 21.7 2.2 24.3 0.0 1.4 100.7  Min (MW) 622 232 235 20 41	1.9 0.4 0.1 0.0 0.0 309.0  0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	1.9 -0.3 -0.4 -0.0 -0.4 -0.0 -270.9 -270.9 -270.9 -24.3 -38.3 -21.7 -5.6 -24.3 -0.0 -1.4 -22.0 -+ve)/Export(-ve) Energy Exchange (MU) -15.5 -1.1 -1.0
14 15 15 16 17 18 18 19 1 12 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 1 2 1	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV FEXPORT of WR. HYDC 765 kV 765 kV 220 kV 220 kV 220 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPURA-URAHYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SB) 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  NER	2 2 2 2 2 2 2 2 1 1 1 TERNATIONAL EX Line 400kV MANGDECHH 1,2k3 i.e. ALIPURDU. MANGDECHH HF 24 400kV TALA BINAGI MALBASE - BINAGU MALBASE - BINAGU MALBASE - BIRGAR RECEIPT (from TAL/ 220kV CHUKHA-BIR RECEIPT (from TAL/ 132kV MOTANGA-RA 132kV MOTANGA-RA 132kV MAHENDRAN TANAKPUR(NHPC) NEPAL IMPORT (FR 400kV DHALKEBAR-	0 78 44 40 0 0 78 44 41 0 0 794 2015 1981 770 1364 0 0 0 CHANGES Name 0 CHANGES Name 180 181 1,24(8 400KV RI) i.e. BINAGURI RI 1,2,4(8 400KV RI) i.e. BINAGURI REP (6*170MW) PARA 1,82 (8 220KV A) i.e. BIRPARA KHA HEP 4*84MW) LAKATI ANGIA AGAR- OM BIHAR) MUZAFFARPUR 1,82 MUZAFFARPUR 1,82 MUZAFFARPUR 1,82	30 17 48 0 0 WR-NR 0 0 289 1398 0 0 77 WR-SR  Max (MW) 635 527 337 25 66 -75 -16	0.0 0.1 0.1 0.4 0.9 0.0 38.1 12.8 38.3 21.7 2.2 24.3 0.0 1.4 100.7  Min (MW) 622 232 235 20 41 0	1.9 0.4 0.1 0.0 0.0 0.0 309.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	1.9 1.9 1.0.3 0.4 0.0 0.4 0.0 0.0 1.2.8 38.3 21.7 6.6 24.3 0.0 0.0 1.4 92.0 1.5.5 9.1 6.1 0.5 1.2 -1.0 -0.3
14 15 16 17 18 19 Import/ 1 2 3 4 5 6 7 8	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV FEXPORT of WR. HYDC 765 kV 765 kV 220 kV 220 kV 220 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIORSAWAI MADHOPUR RAIGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAIGHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI REGION ER	2 2 2 2 2 2 2 1 1 1 TERNATIONAL EXC  1 2 1 1  TERNATIONAL EXC  Line 400kV MANGDECHH 1,2k3 i.e. ALIPURDU MANGDECHH 1,2k3 i.e. ALIPURDU MANGDECHH 1,2k3 i.e. ALIPURDU MANGDECHHE 1,2k3 i.e. ALIPURDU MANGDECHHE 1,2k3 i.e. ALIPURDU MANGDECHHE 1,2k3 i.e. ALIPURDU MANGDECHHE 1,2k3 i.e. ALIPURDU MALBASE - BINAGU BECEIPT (from TAL- MALBASE - BINAGU BECEIPT (from TAL- MALBASE) 132kV MOTANGA-RA 132kV MOTANGA-RA 132kV MAHENDRAN TANAKPUR(NHPC) NEPAL IMPORT (FR	0 78 44 40 0 0 78 44 41 0 0 794 2015 1981 770 1364 0 0 0 CHANGES Name 0 CHANGES Name 180 181 1,24(8 400KV RI) i.e. BINAGURI RI 1,2,4(8 400KV RI) i.e. BINAGURI REP (6*170MW) PARA 1,82 (8 220KV A) i.e. BIRPARA KHA HEP 4*84MW) LAKATI ANGIA AGAR- OM BIHAR) MUZAFFARPUR 1,82 MUZAFFARPUR 1,82 MUZAFFARPUR 1,82	30 17 48 0 0 WR-NR 0 0 289 1398 0 0 77 WR-SR  Max (MW) 635 527 337 25 66	0.0 0.1 0.4 0.0 0.0 0.0 38.1 12.8 38.3 21.7 2.2 24.3 0.0 0.0 1.4 100.7  Min (MW) 622 232 235 20 41	1.9 0.4 0.1 0.0 0.0 309.0  0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	1.9 -0.3 -0.4 -0.0 -0.0 -0.0 -270.9 -12.8 -38.3 -21.7 -6.6 -24.3 -0.0 -0.0 -1.4 -1.4 -1.5 -1.6 -1.1 -1.5 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0
14 15 16 17 18 19 Import/ 1 2 3 4 5 6 7 8	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV FEXPORT of WR. HYDC 765 kV 765 kV 220 kV 220 kV 220 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPURA-URAHYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SB) 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  NER	2 2 2 2 2 2 2 1 1 1 TERNATIONAL EXC Line 400KV MANGDECHH 1,283 i.e. ALIPURDU MANGDECHU HEP 4 400KV TALA-BINAGU MALBASE - BINAGU MALBASE - BINA	0 78 44 44 0 0 78 444 0 0 794 2015 1981 770 1364 0 0 0 CHANGES Name 0 CHANGES Name VLALIPURDUAR AR RECEIPT (from *1810,24 (x 400kV R) Le BINAGURI MEP (6*170MW) PARA 1&2 (x 220kV A) LE BINAGURI MEP (6*170MW) ALE BINAGURI ANGIA AGAR- OM BIHAR) MUZAFFARPUR 1&2 WUC (BANGLADESH)	30 17 48 0 0 WR-NR 0 0 289 1398 0 0 77 WR-SR  Max (MW) 635 527 337 25 66 -75 -16	0.0 0.1 0.1 0.4 0.9 0.0 38.1 12.8 38.3 21.7 2.2 24.3 0.0 1.4 100.7  Min (MW) 622 232 235 20 41 0	1.9 0.4 0.1 0.0 0.0 0.0 309.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	1.9 1.9 1.0.3 0.4 0.0 0.4 0.0 0.0 1.2.8 38.3 21.7 6.6 24.3 0.0 0.0 1.4 92.0 1.5.5 9.1 6.1 0.5 1.2 -1.0 -0.3
14   15   16   17   18   19   19   1   2   3   4   5   5   6   7   8   8   8   B	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV FEXPORT of WR. HYDC 765 kV 765 kV 220 kV 220 kV 220 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIORSAWAI MADHOPUR RAIGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI ER  ER  ER  NER  NER  NER  NER  ER  ER	2 2 2 2 2 2 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHH 1,2k3 i.e. ALIPURBU MANGDECHH 1,2k3 i.e. ALIPURBU MANGDECHH 1,2k3 i.e. ALIPURBU MANGDECHH HEP 4 400kV TALA-BINAGU RECEIPT (from TAL) 132kV GELEPHU-SAI 132kV MOTANGA-RA 132kV MOTANGA-RA 132kV MOTANGA-RA 132kV MOTANGA-RA 140kV DHALKEBAR- BHERAMARA B/B H 152kV COMILLA-SU	0 78 44 44 0 0 78 444 0 0 794 2015 1981 770 1364 0 0 0 CHANGES Name 0 CHANGES Name VLALIPURDUAR AR RECEIPT (from *1810,24 (x 400kV R) Le BINAGURI MEP (6*170MW) PARA 1&2 (x 220kV A) LE BINAGURI MEP (6*170MW) ALE BINAGURI ANGIA AGAR- OM BIHAR) MUZAFFARPUR 1&2 WUC (BANGLADESH)	30 17 48 0 0 WR-NR 0 0 289 1398 0 0 0 77 WR-SR  Max (MW) 635 527 337 25 66 -75 -16 -96	0.0 0.1 0.4 0.0 0.0 0.0 38.1 12.8 38.3 21.7 2.2 24.3 0.0 0.0 1.4 100.7  Min (MW) 622 232 235 20 41 0 -5 -2	1.9 0.4 0.1 0.0 0.0 0.0 309.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	1.9 -0.3 -0.4 -0.0 -0.0 -0.0 -270.9 -12.8 -38.3 -21.7 -6.6 -24.3 -0.0 -0.0 -1.4 -1.4 -1.5 -1.5 -1.1 -1.0 -0.3 -1.2 -1.1
14 15 15 16 17 18 19 19 10 10 10 10 10 10 10 10 10 10 10 10 10	400 kV 220 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 132 kV HVDC 765 kV 400 kV 220 kV 220 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPURA-URAHYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SB) 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  NER	2 2 2 2 2 2 2 1 1 1 TERNATIONAL EXC Line 400KV MANGDECHH 1,283 i.e. ALIPURDU MANGDECHU HEP 4 400KV TALA-BINAGU MALBASE - BINAGU MALBASE - BINA	0 78 44 44 0 0 78 444 0 0 794 2015 1981 770 1364 0 0 0 CHANGES Name 0 CHANGES Name VLALIPURDUAR AR RECEIPT (from *1810,24 (x 400kV R) Le BINAGURI MEP (6*170MW) PARA 1&2 (x 220kV A) LE BINAGURI MEP (6*170MW) ALE BINAGURI ANGIA AGAR- OM BIHAR) MUZAFFARPUR 1&2 WUC (BANGLADESH)	30 17 48 0 0 WR-NR 0 0 289 1398 0 0 77 WR-SR  Max (MW) 635 527 337 25 66 -75 -16	0.0 0.1 0.1 0.4 0.9 0.0 38.1 12.8 38.3 21.7 2.2 24.3 0.0 1.4 100.7  Min (MW) 622 232 235 20 41 0	1.9 0.4 0.1 0.0 0.0 309.0  0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	1.9 1.9 1.0.3 0.4 0.0 0.4 0.0 0.0 1.2.8 38.3 21.7 6.6 24.3 0.0 0.0 1.4 92.0 1.5.5 9.1 6.1 0.5 1.2 -1.0 -0.3