

National Load Despatch Centre राष्ट्रीय भार प्रेषण केंद्र GRID CONTROLLER OF INDIA LIMITED ग्रिड कंटोलर ऑफ इंडिया लिमिटेड

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

Ref: POSOCO/NLDC/SO/Daily PSP Report

То,

दिनांक: 20th April 2023

- 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 19.04.2023.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 19-अप्रैल-2023 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 19th April 2023, is available at the NLDC website.

धन्यवाद.

ग्रिड कंट्रोलर ऑफ इंडिया लिमिटेड राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली



Report	for p	evious	day					

	NR	WR	SR	ER	NER	TOTAL
Demand Met during Evening Peak hrs(MW) (at 20:00 hrs; from RLDCs)	60436	62902	52343	27674	2552	205907
Peak Shortage (MW)	641	0	0	676	101	1418
Energy Met (MU)	1242	1537	1329	630	54	4792
Hydro Gen (MU)	188	46	78	48	9	369
Wind Gen (MU)	15	117	33		-	165
Solar Gen (MU)*	122.53	65.53	125.23	2.65	0.98	317
Energy Shortage (MU)	12.57	0.38	0.00	4.19	1.80	18.94
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	60762	70402	63221	29302	2888	214924
Time Of Maximum Demand Met (From NLDC SCADA)	20:40	15:22	14:55	23:20	18:41	15:27

	B. Frequency Profile (%)									
All India 0.053 0.00 0.49 7.81 8.30 67.25 24.45	Region	FVI	< 49.7	49.7 - 49.8	49.8 - 49.9	< 49.9	49.9 - 50.05	> 50.05		
	All India	0.053	0.00	0.49	7.81	8.30	67.25	24.45		

All India	0.053	0.00	0.49	7.81	8.30	67.25	24.45
C. Power Suppl	y Position in States						
		Max.Demand	Shortage during	Energy Met	Drawal	OD(+)/UD(-)	Max OD
Region	States	Met during the	maximum	(MU)	Schedule	(MU)	(MW)
		day(MW)	Demand(MW)	(MU)	(MU)	(MU)	(IVI VV)
	Punjab	7172	0	135.6	28.7	-2.0	456

		Max.Demand	Shortage during	Energy Met	Drawal	OD(+)/UD(-)	Max OD	Energy
Region	States	Met during the	maximum		Schedule			Shortage
		dav(MW)	Demand(MW)	(MU)	(MU)	(MU)	(MW)	(MU)
	Punjab	7172	0	135.6	28.7	-2.0	456	0.00
	Harvana	8216	0	153.6	89.8	-3.1	586	2.88
	Rajasthan	13680	0	271.4	71.5	-2.7	201	6.04
	Delhi	5232	0	107.1	96.1	-2.4	179	0.01
NR	UP	22923	0	435.8	165.8	0.7	641	2.63
	Uttarakhand	2093	0	42.2	24.7	-0.6	150	0.92
	HP	1473	0	29.3	12.2	-0.4	112	0.09
	J&K(UT) & Ladakh(UT)	2827	0	58.2	39.7	0.5	396	0.00
	Chandigarh	237	0	4.8	5.2	-0.4	15	0.00
	Railways_NR ISTS	182	0	3.9	3.0	1.0	73	0.00
	Chhattisgarh	5618	0	129.8	75.2	-1.8	348	0.38
	Gujarat	21074	0	458.1	174.7	-1.4	708	0.00
	MP	11948	0	266.2	140.1	-2.7	490	0.00
WR	Maharashtra	28165	0	606.7	199.1	-0.2	655	0.00
	Goa	746	0	15.8	15.5	-0.1	94	0.00
	DNHDDPDCL	1271	0	29.6	30.1	-0.5	39	0.00
	AMNSIL	868	0	18.1	4.9	0.2	303	0.00
	BALCO	518	0	12.4	12.5	-0.1	5	0.00
	Andhra Pradesh	12133	0	246.5	106.1	1.3	494	0.00
	Telangana	12674	0	251.7	117.2	0.9	571	0.00
SR	Karnataka	15752	0	307.8	120.4	0.6	913	0.00
	Kerala	4893	0	103.3	74.8	0.2	203	0.00
	Tamil Nadu	19087	0	409.4	257.0	-0.5	523	0.00
	Puducherry	461	0	10.3	10.1	-0.5	32	0.00
	Bihar	6456	364	127.7	119.7	0.6	407	2.79
	DVC	3714	0	80.6	-45.7	1.7	389	0.00
ER	Jharkhand	1857	0	35.9	31.5	-4.4	143	1.40
	Odisha	7192	0	141.7	64.0	-2.5	361	0.00
	West Bengal	11298	0	242.1	104.0	-2.3	367	0.00
	Sikkim	98	0	1.6	1.4	0.2	67	0.00
	Arunachal Pradesh	128	0	2.4	2.4	-0.1	47	0.00
	Assam	1802	0	32.9	27.9	-1.1	182	0.00
	Manipur	207	4	2.9	2.7	0.2	36	0.04
NER	Meghalaya	269	76	4.8	3.2	0.2	48	1.76
	Mizoram	112	0	2.0	1.5	-0.2	20	0.00
	Nagaland	145	0	3.0	2.6	0.5	16	0.00
1	Tripura	334	0	6.3	5.4	0.5	78	0.00

D	Transpational Exchanges (MII) - Import(+ve)/Export(-ve)	

	Bhutan	Nepal	Bangladesh	Godda -> Bangladesh
Actual (MU)	4.1	-11.3	-25.5	-17.9
Day Peak (MW)	326.0	-606.5	-1101.0	-774.8

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	89.7	-261.5	213.0	-45.0	3.9	0.0
Actual(MU)	74.0	-254.5	228.5	-55.4	4.8	-2.7
O/D/U/D(MU)	-15.7	7.0	15.5	-10.4	0.9	-2.7

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	2505	11072	2748	640	425	17391	48
State Sector	5430	8202	2828	2240	252	18951	52
Total	7935	19274	5576	2880	677	36341	100

G. Sourcewise generation (Gross) (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	821	1583	770	715	17	3906	75
Lignite	25	15	67	0	0	107	2
Hydro	188	46	78	48	9	369	7
Nuclear	30	35	69	0	0	134	3
Gas, Naptha & Diesel	42	50	6	0	30	129	2
RES (Wind, Solar, Biomass & Others)	156	184	192	3	1	536	10
Total	1262	1913	1183	767	56	5181	100
GI CDEG! 4.4 I (* (8/)	40.40	0.60	44.00			40.25	i
Share of RES in total generation (%)	12.40	9.62	16.22	0.41	1.74	10.35	
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	29.65	13.84	28.64	6.73	16.86	20.05	

H. All India Demand Diversity Factor	
Based on Regional Max Demands	1.054
Based on State Max Demands	1.083

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.

*Note: All generation MU figures are gross

***Godda (Jharkhand) -> Bangladesh power exchange is through the radial connection (isolated from Indian Grid)

INTER-REGIONAL EXCHANGES

Import=(+ve) /Export =(-ve) for NET (MU)
Date of Reporting: 20-A pr-2023

Sl No V	Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Date of Reporting: Export (MU)	20-Apr-2023 NET (MU)
			110. of Circuit	max import (MW)	MAX EXPORT (MIN)	Import (MC)	Export (HU)	mer (MU)
Import/Ex	xport of ER (,	0	0	0.0	0.0	0.0
2	HVDC	ALIPURDUAR-AGRA PUSAULI B/B		2	95	0.0	2.0	-2.0
3	765 kV	GAYA-VARANASI	2	263	302	0.0	0.5	-0.5
5	765 kV 765 kV	SASARAM-FATEHPUR GAYA-BALIA	1	118 0	203 472	0.0 0.0	0.9 7.0	-0.9 -7.0
6	400 kV	PUSAULI-VARANASI	i	0	155	0.0	2.4	-2.4
7	400 kV	MUZAFFARPUR-GORAKHPUR	2	356	361	0.0	0.3	-0.3
8	400 kV 400 kV	PATNA-BALIA NAUBATPUR-BALIA	2	0	389 388	0.0	5.7 5.4	-5.7 -5.4
10	400 kV	BIHARSHARIFF-BALIA	2	313	106	0.0	2.7	-2.7
11	400 kV	MOTIHARI-GORAKHPUR	2	118	342	0.0	3.2	-3.2
12 13	400 kV 220 kV	BIHARSHARIFF-VARANASI SAHUPURI-KARAMNASA	2	181 0	102 183	0.0 0.0	0.6 3.3	-0.6 -3.3
14	132 kV	NAGAR UNTARI-RIHAND	i	0	0	0.0	0.0	0.0
15	132 kV	GARWAH-RIHAND	1	25	0	0.5	0.0	0.5
16 17	132 kV 132 kV	KARMANASA-SAHUPURI KARMANASA-CHANDAULI	1	0	13	0.0	0.0	0.0
1/	134 R V	M. M	, 1		ER-NR	0.5	33.9	-33.4
Import/Ex	xport of ER (With WR)				OIL .		0011
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	2115	0	32,5	0.0	32.5
3		NEW RANCHI-DHARAMJAIGARH JHARSUGUDA-DURG	2	1310	385 628	14.6 0.0	0.0 8.6	14.6 -8.6
4		JHARSUGUDA-DURG JHARSUGUDA-RAIGARH	4	0	628 449	0.0	6.3	-6.3
5	400 kV	RANCHI-SIPAT	2	233	141	2.2	0.0	2.2
7	220 kV 220 kV	BUDHIPADAR-RAIGARH BUDHIPADAR-KORBA	1 2	0 128	90	0.0 1.9	1.1 0.0	-1.1 1.9
	220 R V	DODAM ADAR-RORDA	. 4	140	ER-WR	51.2	16.0	35.3
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	654	0.0	15.1	-15.1
3		TALCHER-KOLAR BIPOLE	2 2	0	1646	0.0	39.6 55.4	-39.6 55.4
4	765 kV 400 kV	ANGUL-SRIKAKULAM TALCHER-I/C	2 2	259	3055 0	0.0 4.3	0.0	-55.4 4.3
5		BALIMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0
T		HUAL NED			ER-SR	0.0	110.1	-110.1
	xport of ER (0.2	
2	400 kV 400 kV	BINAGURI-BONGAIGAON ALIPURDUAR-BONGAIGAON	2 2	178 600	101 224	1.3 4.6	0.3	1.0 4.6
3	220 kV	ALIPURDUAR-SALAKATI	2	133	34	1.7	0.0	1.7
					ER-NER	7.6	0.3	7.3
	xport of NER							
1	HVDC	BISWANATH CHARIALI-AGRA	1 2	484	0 NER-NR	10.7 10.7	0.0	10.7 10.7
Import/Ex	xport of WR	With ND)			NER-NR	10.7	0.0	10.7
1	HVDC	CHAMPA-KURUKSHETRA	2	0	1504	0.0	34.8	-34.8
2	HVDC	VINDHYACHAL B/B		229	0	6.1	0.0	6.1
3	HVDC 765 kV	MUNDRA-MOHINDERGARH	2	0 411	787 1790	0.0	13.2 17.7	-13.2 -17.2
5		GWALIOR-AGRA GWALIOR-PHAGI	2	601	1790	0.4 1.9	11.2	-17.2 -9.3
6	765 kV	JABALPUR-ORAI	2	173	760	0.0	10.5	-10.5
7	765 kV	GWALIOR-ORAI	1	742	762	12.1	0.0 14.4	12.1
9	765 kV 765 kV	SATNA-ORAI BANASKANTHA-CHITORGARH	2	0 2371	762 0	0.0 25.6	0.0	-14.4 25.6
10	765 kV	VINDHYACHAL-VARANASI	2	0	2649	0.0	38.7	-38.7
11		ZERDA-KANKROLI ZERDA-BHINMAL	1	406	0	4.7	0.0	4.7
12								
13		VINDHYACHAL -RIHAND	1	670 952	0	6.4 21.6	0.0	6.4 21.6
13 14	400 kV 400 kV	VINDHYACHAL -RIHAND RAPP-SHUJALPUR	1 1 2	952 609	0 253	21.6 5.1	0.0 1.5	21.6 3.6
13 14 15	400 kV 400 kV 220 kV	VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR	1 2 1	952 609 0	0 253 0	21.6 5.1 0.0	0.0 1.5 0.0	21.6 3.6 0.0
13 14	400 kV 400 kV 220 kV	VINDHYACHAL -RIHAND RAPP-SHUJALPUR	1 2 1 1 1	952 609	0 253	21.6 5.1	0.0 1,5 0.0 0.0 0.0	21.6 3.6
13 14 15 16 17 18	400 kV 400 kV 220 kV 220 kV 220 kV 220 kV	VINDHYACHAL -RIHAND RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR -AURAIYA	1 2 1 1 1 1	952 609 0 0 112 94	0 253 0 30 0	21.6 5.1 0.0 0.0 1.8 1.4	0.0 1.5 0.0 0.0 0.0	21.6 3.6 0.0 0.0 1.8 1.4
13 14 15 16 17 18 19	400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV	VINDHYACHAL -RHAND RAPP-SHUALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPUR-AURAHYA GWALIOR-SAWAI MADHOPUR	1 2 1 1 1 1 1 1	952 609 0 0 112 94 0	0 253 0 30 0 0	21.6 5.1 0.0 0.0 1.8 1.4 0.0	0.0 1.5 0.0 0.0 0.0 0.0	21.6 3.6 0.0 0.0 1.8 1.4 0.0
13 14 15 16 17 18 19 20	400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV	VINDHYACHAL. RHAND RAPPSHUJAL PUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPUR-AURAHYA MALANPUR-AURAHYA GWALJOR-SAWAI MADHOPUR RAJGHAT-LALITPUR	1 2 1 1 1 1 1 1 1 2	952 609 0 0 112 94	0 253 0 30 0	21.6 5.1 0.0 0.0 1.8 1.4 0.0	0.0 1.5 0.0 0.0 0.0	21.6 3.6 0.0 0.0 1.8 1.4 0.0
13 14 15 16 17 18 19 20	400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV	VINDHYACHAL. RHAND RAPPSHUJAL PUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPUR-AURAHYA MALANPUR-AURAHYA GWALJOR-SAWAI MADHOPUR RAJGHAT-LALITPUR	1 1 2 1 1 1 1 1 1 2	952 609 0 0 112 94 0	0 253 0 30 0 0	21.6 5.1 0.0 0.0 1.8 1.4 0.0	0.0 1.5 0.0 0.0 0.0 0.0 0.0 0.0 141.9	21.6 3.6 0.0 0.0 1.8 1.4 0.0
13 14 15 16 17 18 19 20	400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV xport of WR (VINDHYACHAL. BHIAND RAPPSHUSIA PUR BHANPIRA RANPUR BHANPIRA MORAK MEHGAON-AURAIYA MALANPIRA RIANTA GWALIOR-SAWAI MADHOPUR RAIGHAT-LALITPUR BHADRAWATI B/B BHADRAWATI B/B	1 2 1 1 1 1 1 1 2	952 609 0 0 112 94 0	0 253 0 30 0 0 0 0 WR-NR	21.6 5.1 0.0 0.0 1.8 1.4 0.0 0.0 87.1	0.0 1.5 0.0 0.0 0.0 0.0 0.0 0.0 141.9	21.6 3.6 0.0 0.0 1.8 1.4 0.0 0.0 -54.8
13 14 15 16 17 18 19 20 Import/Ex 1 2	400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV xport of WR (HVDC HVDC	VINDHYACHAL. BHAND RAPPSHUAU BHANFURA RANFUR BHANFURA RANFUR BHANFURA MORAK MEHGAON-AURAIYA MALANFUR-AIRANYA GWALIOR-SAWAI MADHOPUR RAIGHAT-LAILTUR With SR) BHADRAWATI BR RAIGARH-PUGALUR	1 2 1 1 1 1 1 1 2	952 609 0 0 112 94 0 0	0 253 0 30 0 0 0 0 WR-NR	21.6 5.1 0.0 0.0 1.8 1.4 0.0 0.0 87.1	0.0 1.5 0.0 0.0 0.0 0.0 0.0 0.0 141.9	21.6 3.6 0.0 0.0 1.8 1.4 0.0 0.0 -54.8
13 14 15 16 17 18 19 20 Import/Ex	400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV TABLE OF THE O	VINDHYACHAL. BHIAND RAPPSHUSIA PUR BHANPIRA RANPUR BHANPIRA MORAK MEHGAON-AURAIYA MALANPIRA RIANTA GWALIOR-SAWAI MADHOPUR RAIGHAT-LALITPUR BHADRAWATI B/B BHADRAWATI B/B	1 1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2	952 609 0 0 112 94 0	0 253 0 30 0 0 0 0 WR-NR	21.6 5.1 0.0 0.0 1.8 1.4 0.0 0.0 87.1	0.0 1.5 0.0 0.0 0.0 0.0 0.0 0.0 141.9	21.6 3.6 0.0 0.0 1.8 1.4 0.0 0.0 -54.8
13 14 15 16 17 18 19 20 Import/Ex 1 2 3	400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 132 kV TOS kV TOS kV TOS kV 400 kV	VINDHYACHAL. RHAND RAPPSHUAHDPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPURA-RANPAR GWALIOR-SAWAI MADHOPUR RAGHAT-LAITHUR WITH SR BHADRAWATI BE RAIGARH-GALIR SOLAPUR-RAGHUR WARDILANIZ-MARGHUR WARDILANIZ-MARGHUR WARDILANIZ-MARGH	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	952 609 0 0 112 94 0 0 0 0 229 0 1164	0 253 0 0 0 0 0 0 0 0 0 0 WR-NR 1016 6016 1935 3459 0	21.6 5.1 0.0 0.0 1.8 1.4 0.0 9.0 87.1	0.0 1.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 141.9 20.4 94.2 17.9 5.3.9 0.0	21.6 3.6 0.0 0.0 1.8 1.4 0.0 0.0 -54.8 -20.4 -94.2 -17.8 -53.9 19.6
13 14 15 16 17 18 19 20 Import/Ex 1 2 3 4 5	400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV Xport of WR (HVDC HVDC HVDC 765 kV 400 kV 220 kV	VINDHYACHAL. BHIAND RAPPSHUAU BHANPURA BRANPUR BHANPURA MORAK MEHGAON-AURAYA MALANPURA GRANYA GWALLOR-SAWAI MADHOPUR RAJGHAT-LALITUR With SR) BHADRAWATI BB BRAGRH-PUGALUR SOLAPUR-RAUGHUR WARDHAN PUGALUR SOLAPUR-RAUGHUR KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI	1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2	952 609 0 0 112 94 0 0 0 0 0 0 164 175 175 175 175 175 175 175 175 175 175	0 253 0 30 0 0 0 WR-NR 1016 6016 1935 3459 0 0	21.6 5.1 0.0 0.0 1.8 1.4 0.0 87.1 0.0 0.0 87.1 0.0 0.0 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 1.5 0.0 0.0 0.0 0.0 0.0 0.0 141.9 20.4 17.9 23.9 53.9 0.0 0.0	21.6 3.6 0.0 0.0 1.8 1.4 0.0 0.0 -54.8 -20.4 -17.8 -53.9 19.6 0.0 0.0
13 14 15 16 17 18 19 20 Import/Ex 1 2 3	400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 200 to f WR (HVDC 765 kV 765 kV 400 kV 220 kV	VINDHYACHAL. RHIAND RAPPSHUAH DIER BHANPIRA MORAK MEHGAON-AURAHYA MAHANPIRA MAHANPIR BHANPIRA MORAK MEHGAON-AURAHYA MAHANPIRA MITHER GWALIOR SAWAI MADHOPUR RAGHAT-LAITHUR WHILL SR BHADRAWATI BE BHADRAWATI BE SOLAPIR-RAGHUR WARDIA-NIZAMARAD KOLHAPIR-RAGHUR WARDIA-NIZAMARAD KOLHAPIR-RAGHUR KOLHAPIR-RUDGI ROJHAPIR-GUIKODI PONDA-AMBEWADI	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	952 609 0 0 112 94 0 0 0 0 229 0 1164	0 253 0 0 30 0 0 0 WR-NR 1016 6016 1935 455 0 0 0 1388	21.6 5.1 0.0 0.0 1.8 1.4 0.0 9.0 87.1 0.0 0.0 0.1 0.0 0.1 0.0 0.0 0.0 0.0 0	0.0 1.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 141.9 20.4 94.2 17.9 5.3.9 0.0	21.6 3.6 0.0 0.0 1.8 1.4 0.0 0.0 -54.8 -20.4 -94.2 -17.8 -53.9 -54.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0
13 14 15 16 17 18 19 20 Import/Ex 1 2 3 4 5	400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 200 to f WR (HVDC 765 kV 765 kV 400 kV 220 kV	VINDHYACHAL. BHIAND RAPPSHUAU BHANPURA BRANPUR BHANPURA MORAK MEHGAON-AURAYA MALANPURA GRANYA GWALLOR-SAWAI MADHOPUR RAJGHAT-LALITUR With SR) BHADRAWATI BB BRAGRH-PUGALUR SOLAPUR-RAUGHUR WARDHAN PUGALUR SOLAPUR-RAUGHUR KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	952 6099 0 0 112 94 0 0 0 0 2299 0 1164 0 0	0 253 0 30 0 0 0 WR-NR 1016 6016 1935 3459 0 0	21.6 5.1 0.0 0.0 1.8 1.4 0.0 87.1 0.0 0.0 87.1 0.0 0.0 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 1.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 141.9 141.9 15.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	21.6 3.6 0.0 0.0 1.8 1.4 0.0 0.0 -54.8 -20.4 -17.8 -53.9 19.6 0.0 0.0
13 14 15 16 17 18 19 20 Import/Ex 1 2 3 4 5	400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV xport of WR (HVDC T65 kV 765 kV 400 kV 220 kV	VINDHYACHAL. RHAMD RAPPSHUAHDPUR BHANPIRA-RANPUR BHANPIRA-RANPUR BHANPIRA-RANPUR BHANPIRA-RANPUR BHANPIRA-RANPUR BHANPIRA-RANPIRA MEHAGON-AURAHAM MEHAGON-AURAHAM MEHAGON-AURAHAM MEHAGON-AURAHAM MEHAGON-AURAHAM MEHAGON-AURAHAM MEHAGON-AURAHAM MEHAGON-AURAHAM WHIN SR BHAORAWATI B'B BHAORAWATI	1	952 6099 0 0 112 94 0 0 0 229 0 0 1164 0 0	0 253 0 0 30 0 0 0 WR-NR 1016 6016 1935 455 0 0 0 1388	21.6 5.1 0.0 0.0 1.8 1.4 0.0 87.1 0.0 0.0 87.1 0.0 0.0 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 1.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 141.9 20.4 110 23.9 0.0 0.0 0.0 0.0 141.9	21.6 3.6 0.0 0.0 1.8 1.4 1.4 0.0 0.0 2.4 2.0 2.0 2.0 2.0 2.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3
13 14 15 16 17 18 19 20 1 2 3 4 5 6 7 8 8	400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 142 kV 142 kV 145 kV 145 kV 146 kV 147 kV 147 kV 148 kV 149 kV 14	VINDHYACHAL. RHAMD RAPPSHUAHDITER BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPURA-RANPUR GWALIOR-SAWAI MADHOPUR RAGHAT-LAIJHTUR WHIB SR BEIADRAWATI BE BIADRAWATI BE BIADRAWATI BE SAMA-RAPPUGALER SOLAPUR-RAGHUR WARDHA-NIZAMARAD KOLHAPUR-RAGHUR KOLHAPUR-KUDGI ROJHAPUR-GUIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	TERNATIONAL EX	952 6099 0 0 112 94 0 9 0 0 2299 0 1164 0 0 0	0 255 0 0 0 0 0 0 0 WR-NR 1016 6016 1459 0 0 0 138 WR-SR	21,6 5,1 0,0 0,0 1.8 1.4 0.0 87,1 0.0 0.0 87,1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	0.0 1.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	21.6 3.6 0.0 0.0 1.8 1.4 0.0 0.0 2.54.8
13 14 15 16 17 18 19 20 1 2 3 4 5 6 7 8 8	400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV xport of WR (HVDC T65 kV 765 kV 400 kV 220 kV	VINDHYACHAL. RHAMD RAPPSHUAHDPUR BHANPIRA-RANPUR BHANPIRA-RANPUR BHANPIRA-RANPUR BHANPIRA-RANPUR BHANPIRA-RANPUR BHANPIRA-RANPIRA MEHAGON-AURAHAM MEHAGON-AURAHAM MEHAGON-AURAHAM MEHAGON-AURAHAM MEHAGON-AURAHAM MEHAGON-AURAHAM MEHAGON-AURAHAM MEHAGON-AURAHAM WHIN SR BHAORAWATI B'B BHAORAWATI	TERNATIONAL EX	952 609 0 0 112 94 0 0 0 229 0 1164 0 0 0 CHANGES	0 253 0 0 30 0 0 0 WR-NR 1016 6016 1935 455 0 0 0 1388	21.6 5.1 0.0 0.0 1.8 1.4 0.0 87.1 0.0 0.0 87.1 0.0 0.0 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 1.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 141.9 20.4 119 23.9 0.0 0.0 0.0 0.0 141.9	21.6 3.6 0.0 0.0 1.8 1.4 0.0 0.0 254.8 -20.4 -94.2 -17.8 -19.6 0.0 0.0 0.0 -2.6 -4.6 -4.6 -4.6 -4.6 -4.6 -4.6 -4.6 -4
13 14 15 16 17 18 19 20 1 2 3 4 5 6 7 8 8	400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 142 kV 142 kV 145 kV 145 kV 146 kV 147 kV 147 kV 148 kV 149 kV 14	VINDHYACHAL. RHAMD RAPPSHUAHDIPER BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGADA-AURAHA MALANPURA-RANPUR BHANPURA-MARAHA MALANPURA-RANPA WHIN SR BHADRAWATI BE RAIGARI-ALJHTER WHIN SR BHADRAWATI BE RAIGARI-RAGHUR WARDHANIZ-MARHUR WARDHANIZ-MARHUR WARDHANIZ-MARHUR WARDHANIZ-MARHUR WARDHANIZ-MARHUR WARDHANIZ-MARHUR WARDHANIZ-MARHUR KOHAPUR-RUGGI ROHAPUR-RUGGI ROHAPUR-RUGGI ROHAPUR-RUGGI PONDA-AMBEWADH XELDEM-AMBEWADH IN	TERNATIONAL EX Line 400kV MANGDECHHU-J	952 609 0 0 112 94 0 9 0 229 0 0 1164 0 0 0 0 CHANGES	0 255 0 0 0 0 0 0 0 WR-NR 1016 6016 1459 0 0 0 138 WR-SR	21,6 5,1 0,0 0,0 1.8 1.4 0.0 87,1 0.0 0.0 87,1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	0.0 1.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	21.6 3.6 0.0 0.0 1.8 1.4 0.0 0.0 2.54.8
13 14 15 16 17 18 19 20 1 2 3 4 5 6 7 8 8	400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 142 kV 142 kV 145 kV 145 kV 146 kV 147 kV 147 kV 148 kV 149 kV 14	VINDHYACHAL. RHAMD RAPPSHUAHDITER BHANPURA RANPUR BHANPURA MORAK MEHGAON-AURAHYA MALANPURA RHAMA MALANPURA RHAMA GWALIOR SAWAI MADHOPUR RAGHATALAHTUR WHIN SR BILADRAWATI BE BALADRAWATI BE BALADRAWATI BE SAMARAPPUCALER WARDIA NIZAMARAD KOLHAPUR KALGUR KOLHAPUR KUDGI KULHAPUR KULHAPUR KULHAPUR KUDGI KULHAPUR KULH	TERNATIONAL EX Line 400kV MANGDECHHU- ALIPURDUAR RECEIPT	952 609 0 0 10 112 94 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 255 255 0 0 0 0 0 WR-NR 0 0 WR-NR 1016 6016 1935 4459 0 0 138 WR-SR	21,6 5,1 0,0 0,0 1.8 1.4 1.4 0.0 0.0 87.1 0.0 0.0 9.0 9.0 0.1 0.0 0.1 0.0 0.0 2.5 22,2	0.0 1.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	21.6 3.6 0.0 0.0 1.8 1.4 0.0 0.9 1.8 1.4 0.0 0.9 2.5 1.7 1.7 1.7 1.9 1.9 0.0 0.0 2.5 1.6(4.2 1.4 2.4 2.4 2.4 2.4 2.4 2.4 2.4 2.4 2.4 2
13 14 15 16 17 18 19 20 1 2 3 4 5 6 7 8 8	400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 142 kV 142 kV 145 kV 145 kV 146 kV 147 kV 147 kV 148 kV 149 kV 14	VINDHYACHAL. BHAND RAPPSHUAN BHANFURA BRANFUR BHANFURA BANFUR BHANFURA MORAK MEHGAON-AURATYA MALANFUR AIRANYA GWALIOR SAWAI MADHOFUR RAIGHATLALITUR WITH SR) BHANFURA AILITUR BHANFURANYATI BR RAIGARH-PUGALUR SOLAPUR-RAIGHUR WARDHA-NUKAMBAD KOHAPUR-RUGH ROHAPUR-RUGH	TERNATIONAL EX Line 400kV MANGDECHHU- ALIPURDUAR RECEIPI HEP 4° 180MW) 400kV TALA-BINAGURI	952 609 0 0 112 94 0 0 0 0 0 112 94 0 0 0 0 0 0 0 0 0 0 0 0 CHANGES Name LIPURDIAR 1,2&3 i.e. (from MANGDECHU	0 255 0 0 0 0 0 0 WR-NR 1016 6016 1935 3459 0 0 0 WR-SR Max (MW) 206	21.6 5.1 0.0 0.0 1.8 1.4 0.0 87.1 0.0 9.0 87.1 0.0 0.0 0.1 0.0 0.1 0.0 19.6 0.0 0.0 19.6 0.0 0.0 19.6 0.0 0.0 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 1.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 141.9 20.4 94.2 17.9 0.0 0.0 0.0 186.4 Import Avg (MW)	21.6 3.6 0.0 0.0 1.8 1.4 0.0 0.0 1.54.8 -204 -294.2 -17.8 -53.9 19.6 0.0 0.0 2.5 2.5 2.6 4 -4(.2) -4
13 14 15 16 17 18 19 20 1 2 3 4 5 6 7 8 8	400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 142 kV 142 kV 145 kV 145 kV 146 kV 147 kV 147 kV 148 kV 149 kV 14	VINDHYACHAL. RHAMD RAPPSHUAHDIPER BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGADA-AURAHA MALANPURA-RANPUR BHANPURA-MARAHA MALANPURA-RANPA WHIN SR BHADRAWATI BE RAIGARI-ALJHTER WHIN SR BHADRAWATI BE RAIGARI-RAGHUR WARDHANIZ-MARHUR WARDHANIZ-MARHUR WARDHANIZ-MARHUR WARDHANIZ-MARHUR WARDHANIZ-MARHUR WARDHANIZ-MARHUR WARDHANIZ-MARHUR KOHAPUR-RUGGI ROHAPUR-RUGGI ROHAPUR-RUGGI ROHAPUR-RUGGI PONDA-AMBEWADH XELDEM-AMBEWADH IN	TERNATIONAL EX: Line 400kV MANGDECHHU- ALIPURDUAR RECEIPI HEP 4*180MW, 400kV TALA-BINAGURI MALBASE BINAGURI MALBASE BINAGURI	952 609 0 0 112 94 0 0 0 1229 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 255 255 0 0 0 0 0 WR-NR 0 0 WR-NR 1016 6016 1935 4459 0 0 138 WR-SR	21,6 5,1 0,0 0,0 1.8 1.4 1.4 0.0 0.0 87.1 0.0 0.0 9.0 9.0 0.1 0.0 0.1 0.0 0.0 2.5 22,2	0.0 1.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	21.6 3.6 0.0 0.0 1.8 1.4 0.0 0.9 1.8 1.4 0.0 0.9 2.5 1.7 1.7 1.7 1.9 1.9 0.0 0.0 2.5 1.6(4.2 1.4 2.4 2.4 2.4 2.4 2.4 2.4 2.4 2.4 2.4 2
13 14 15 16 17 18 19 20 1 20 1 2 3 4 4 5 5 6 7 8 S	400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 220 kV 133 kV 220 kV 132 kV 250 kV 400 kV 260 kV 26	VINDHYACHAL. RHAMD RAPPSHUAHDIPUR BHANFURA. RANFUR BHANFURA. RANFUR BHANFURA. MORAK MEHGAON-AURAHYA MAHANFURA. RHAMA GWALIOR-SAWAH MADHOPUR RAGHATLALITUR With SR) BHADRAWATI BE BHADRAWATI BE BHADRAWATI BE RAGARH-PUGALUR SOMPURANIANAD KOLHAPURA KURAD KOLH	TERNATIONAL EX Line 400kV MANGDECHHU- ALIPURDUK MANGDECHHU- 400kV MANGDECHHU- 400kV MANGDECHHU- MORV TALA-BINAGURI MALBASE - BINAGURI RECEIFT (from TALA H 220kV CHUKHA-BIRPA)	952 609 0 0 112 94 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 255 0 0 0 0 0 0 WR-NR 1016 6016 1935 4489 0 0 138 WR-SR Max (MW) 206	21,6 5,1 0,0 0,0 1,8 1,4 0,0 87,1 0,0 0,0 87,1 0,0 0,0 0,0 0,0 0,0 0,0 0,0 0,0 0,0 0	0.0 1.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 141.9 20.4 94.2 17.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	21.6 3.6 0.0 0.0 1.8 1.4 0.0 0.0 1.8 1.4 0.0 0.0 -54.8 -20.4 -24.1 -27.2
13 14 15 16 17 18 19 20 1 20 1 2 3 4 4 5 5 6 7 8 S	400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 142 kV 142 kV 145 kV 145 kV 146 kV 147 kV 147 kV 148 kV 149 kV 14	VINDHYACHAL. BHAND RAPPSHUAN BHANFURA BRANFUR BHANFURA BANFUR BHANFURA MORAK MEHGAON-AURATYA MALANFUR AIRANYA GWALIOR SAWAI MADHOFUR RAIGHATLALITUR WITH SR) BHANFURA AILITUR BHANFURANYATI BR RAIGARH-PUGALUR SOLAPUR-RAIGHUR WARDHA-NUKAMBAD KOHAPUR-RUGH ROHAPUR-RUGH	TERNATIONAL EXCLUSION AL PROPERTY OF THE PAPER OF THE PAP	952 609 0 0 12 112 94 0 0 0 229 0 164 0 0 0 174 0 0 0 0 164 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 255 0 0 0 0 0 0 WR-NR 1016 6016 1935 3459 0 0 0 WR-SR Max (MW) 206	21.6 5.1 0.0 0.0 1.8 1.4 0.0 87.1 0.0 9.0 87.1 0.0 0.0 0.1 0.0 0.1 0.0 19.6 0.0 0.0 19.6 0.0 0.0 19.6 0.0 0.0 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 1.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 141.9 20.4 94.2 17.9 0.0 0.0 0.0 186.4 Import Avg (MW)	21.6 3.6 0.0 0.0 1.8 1.4 0.0 0.0 1.54.8 -204 -294.2 -17.8 -53.9 19.6 0.0 0.0 2.5 2.5 2.6 4 -4(.2) -4
13 14 15 16 17 18 19 20 1 20 1 2 3 4 4 5 5 6 7 8 S	400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 220 kV 133 kV 220 kV 132 kV 250 kV 400 kV 260 kV 26	VINDHYACHAL. RHAMD RAPPSHUAHDIPUR BHANFURA. RANFUR BHANFURA. RANFUR BHANFURA. MORAK MEHGAON-AURAHYA MAHANFURA. RHAMA GWALIOR-SAWAH MADHOPUR RAGHATLALITUR With SR) BHADRAWATI BE BHADRAWATI BE BHADRAWATI BE RAGARH-PUGALUR SOMPURANIANAD KOLHAPURA KURAD KOLH	TERNATIONAL EX Line 400kV MANGDECHHU- ALIPURDUK MANGDECHHU- 400kV MANGDECHHU- 400kV MANGDECHHU- MORV TALA-BINAGURI MALBASE - BINAGURI RECEIFT (from TALA H 220kV CHUKHA-BIRPA)	952 609 0 0 12 112 94 0 0 0 229 0 164 0 0 0 174 0 0 0 0 164 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 255 0 0 0 0 0 0 WR-NR 1016 6016 1935 4489 0 0 138 WR-SR Max (MW) 206	21,6 5,1 0,0 0,0 1,8 1,4 0,0 87,1 0,0 0,0 87,1 0,0 0,0 0,0 0,0 0,0 0,0 0,0 0,0 0,0 0	0.0 1.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 141.9 20.4 94.2 17.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	21.6 3.6 0.0 0.0 1.8 1.4 0.0 0.0 1.8 1.4 0.0 0.0 -54.8 -20.4 -24.1 -27.2
13 14 15 16 17 18 19 20 1 20 1 2 3 4 4 5 5 6 7 8 S	400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 220 kV 133 kV 220 kV 132 kV 250 kV 400 kV 260 kV 26	VINDHYACHAL. RHAMD RAPPSHUAHDIPUR BHANFURA. RANFUR BHANFURA. RANFUR BHANFURA. MORAK MEHGAON-AURAHYA MAHANFURA. RHAMA GWALIOR-SAWAH MADHOPUR RAGHATLALITUR With SR) BHADRAWATI BE BHADRAWATI BE BHADRAWATI BE RAGARH-PUGALUR SOMPURANIANAD KOLHAPURA KURAD KOLH	TERNATIONAL EXCLUSION AL EXCLUSION AL EXCLUSION AL EXCEPT HEP 4*180MW; 400kV TALA-BINAGURI MALBASE - BINAGURI MALBASE - BIRPARA MALBASE -	952 609 0 0 12 112 94 0 9 0 0 12 12 94 0 0 0 0 16 16 0 0 0 CHANGES Name CHANGES Name L24(& 400kV 1,263 Le. (from MANGDECHU 1,24 (& 400kV 1) le. BINAGUR EF 6 270 MW	0 255 0 0 0 0 0 0 WR-NR 1016 6016 1935 4489 0 0 138 WR-SR Max (MW) 206	21,6 5,1 0,0 0,0 1,8 1,4 0,0 87,1 0,0 0,0 87,1 0,0 0,0 0,0 0,0 0,0 0,0 0,0 0,0 0,0 0	0.0 1.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 141.9 20.4 94.2 17.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	21.6 3.6 0.0 0.0 1.8 1.4 0.0 0.0 1.8 1.4 0.0 0.0 -54.8 -20.4 -24.1 -27.2
13 14 15 16 17 18 19 20 1 20 1 2 3 4 4 5 5 6 7 8 S	400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 220 kV 133 kV 220 kV 132 kV 250 kV 400 kV 260 kV 26	VINDHYACHAL. RHAMD RAPPSHUAHDIPUR BHANFURA. RANFUR BHANFURA. RANFUR BHANFURA. MORAK MEHGAON-AURAHYA MAHANFURA. RHAMA GWALIOR-SAWAH MADHOPUR RAGHATLALITUR With SR) BHADRAWATI BE BHADRAWATI BE BHADRAWATI BE RAGARH-PUGALUR SOMPURANIANAD KOLHAPURA KURAD KOLH	TERNATIONAL EX JUNE 400KV MANGDECHHU- 400KV MANGDECHHU- 400KV TALA-BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI MALBASE - BIRAGURI (from CHUKHA HEPA*)	952 609 0 0 12 112 94 0 9 0 0 12 114 0 0 0 0 16 16 16 16 0 0 0 CHANGES Name UHPURDUAR 1,2&3 Le. (from MANGBECHU 1,2,4 (& 400kV 1) Le. BINAGUR EF 6,270 M/M 1,2 & 1,4 & 400kV 1,4 & 6	0 255 0 30 0 0 0 WR-NR 0 0 WR-NR 1016 6016 1935 3459 0 0 0 WR-SR WR-SR	21,6 5,1 0,0 0,0 1,8 1,4 0,0 87,1 0,0 0,0 87,1 0,0 0,0 0,0 0,0 0,0 0,0 0,0 0,0 0,0 0	0.0 1.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 141.9 20.4 94.2 17.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	21.6 3.6 0.0 0.0 1.8 1.4 0.0 0.0 1.8 1.0 0.0 0.0 2.4 2.0.4 2.4 2.94.2 1.17.8 5.33 1.9.6 0.0 2.5 1.64,2 2.104,2 4.17 1.62
13 14 15 16 17 18 19 20 1 20 1 2 3 4 4 5 5 6 7 8 S	400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 220 kV 133 kV 220 kV 132 kV 250 kV 400 kV 260 kV 26	VINDHYACHAL-RHAND RAPPSHUAHDITUR BHANFURA-RANFUR BHANFURA-RANFUR BHANFURA-MORAK MEHGAON-AURAIYA MAHANFURA-HANFUR WITH SR) BHANFURA-HANFUR WITH SR) BHANFURA-HANFUR RAGHAT-LALITUR WITH SR) BHANFURA-HANFUR RAGHAT-HANFUR SUL-AFUR-RANFUR IN REGION ER ER ER ER	TERNATIONAL EX Line GORV MANGDECHHU- ALIPURDUAR RECEIPI HEF 4° 1804 W. MAUDAR SALE MARGEN	952 609 0 0 112 94 0 0 0 0 12 94 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 255 0 30 0 0 0 WR-NR 1016 6016 1935 4459 0 0 138 WR-SR Max (MW) 206	21,6 5,1 0,0 0,0 1,8 1,4 0,0 87,1 0,0 0,0 1,1,0 0,0 1,0 0,0 1,0 1,0 1,0	0.0 1.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 141.9 20.4 94.2 17.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	21.6 3.6 0.0 0.0 1.8 1.4 0.0 1.4 0.0 20.4 20.4 20.4 20.4 20.4 20.5 20.0 20.6 20.6 20.6 20.6 20.6 20.6 20.6
13 14 15 16 17 18 19 20 1 20 1 2 3 4 4 5 5 6 7 8 S	400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 220 kV 133 kV 220 kV 132 kV 250 kV 400 kV 260 kV 26	VINDHYACHAL. RHAMD RAPPSHUAHDIPUR BHANFURA. RANFUR BHANFURA. RANFUR BHANFURA. MORAK MEHGAON-AURAHYA MAHANFURA. RHAMA GWALIOR-SAWAH MADHOPUR RAGHATLALITUR With SR) BHADRAWATI BE BHADRAWATI BE BHADRAWATI BE RAGARH-PUGALUR SOMPURANIANAD KOLHAPURA KURAD KOLH	TERNATIONAL EX JUNE 400KV MANGDECHHU- 400KV MANGDECHHU- 400KV TALA-BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI MALBASE - BIRAGURI (from CHUKHA HEPA*)	952 609 0 0 112 94 0 0 0 0 12 94 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 255 0 30 0 0 0 WR-NR 0 0 WR-NR 1016 6016 1935 3459 0 0 0 WR-SR WR-SR	21,6 5,1 0,0 0,0 1,8 1,4 0,0 87,1 0,0 0,0 87,1 0,0 0,0 0,0 0,0 0,0 0,0 0,0 0,0 0,0 0	0.0 1.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 141.9 20.4 94.2 17.9 0.0 0.0 0.0 186.4 Import Avg (MW) 67 174 -46	21.6 3.6 0.0 0.0 1.8 1.4 0.0 0.0 1.8 1.0 0.0 0.0 2.4 2.0.4 2.4 2.94.2 1.17.8 5.33 1.9.6 0.0 2.5 1.64,2 2.104,2 4.17 1.62
13 14 15 16 17 18 19 20 1 20 1 2 3 4 4 5 5 6 7 8 S	400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 220 kV 133 kV 220 kV 132 kV 250 kV 400 kV 260 kV 26	VINDHYACHAL. RHAMD RAPPSHUAH PUR BHANFURA RANFUR BHANFURA RANFUR BHANFURA RANFUR BHANFURA RANFUR BHANFURA RANFUR MEHADAN AMRAHA WHIN SR BHADANAN IRB BHADANAN IRB BHADANAN IRB BHADANAN IRB WARDHAN IRAMBAR WARDHAN IRAMBAR WARDHAN IRAMBAR KOHAPUR RAHB WARDHAN IRAMBAR KOHAPUR CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI XELDEM-AMBEWADI IN REGION ER ER ER NER	TERNATIONAL EX: 100kV MANGDECHHU- ALIPURDUAR RECEIPI 100kV 1ALA-BINAGURI 100kV 1ALA-B	952 609 0 0 112 94 0 0 122 94 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 255 0 30 0 0 0 0 WR-NR 1016 6016 1935 3489 0 0 138 WR-SR Max (MW) 206 409 -165	21,6 5,1 0,0 0,0 1,8 1,4 0,0 87,1 0,0 0,0 87,1 0,0 0,0 0,0 1,0 1,0 0,0 1,0 1,0 1,0 1	0.0 1.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 141.9 20.4 94.2 94.2 0.0 0.0 0.0 0.0 0.0 186.4 Import Avg (MW) 67 174 -46	21.6 3.6 0.0 0.0 1.8 1.4 0.0 0.0 1.8 1.4 0.0 0.0 2.4 0.0 2.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
13 14 15 16 17 18 19 20 1 20 1 2 3 4 4 5 5 6 7 8 S	400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 220 kV 133 kV 220 kV 132 kV 250 kV 400 kV 260 kV 26	VINDHYACHAL-RHAND RAPPSHUAHDITUR BHANFURA-RANFUR BHANFURA-RANFUR BHANFURA-MORAK MEHGAON-AURAIYA MAHANFURA-HANFUR WITH SR) BHANFURA-HANFUR WITH SR) BHANFURA-HANFUR RAGHAT-LALITUR WITH SR) BHANFURA-HANFUR RAGHAT-HANFUR SUL-AFUR-RANFUR IN REGION ER ER ER ER	TERNATIONAL EX Line GORV MANGDECHHU- ALIPURDUAR RECEIPI HEF 4° 1804 W. MAUDAR SALE MARGEN	952 609 0 0 112 94 0 0 122 94 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 255 0 30 0 0 0 WR-NR 1016 6016 1935 4459 0 0 138 WR-SR Max (MW) 206	21,6 5,1 0,0 0,0 1,8 1,4 0,0 87,1 0,0 0,0 1,1,0 0,0 1,0 0,0 1,0 1,0 1,0	0.0 1.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 141.9 20.4 94.2 17.9 0.0 0.0 0.0 186.4 Import Avg (MW) 67 174 -46	21.6 3.6 0.0 0.0 1.8 1.4 0.0 1.4 0.0 20.4 20.4 20.4 20.4 20.4 20.5 20.0 20.6 20.6 20.6 20.6 20.6 20.6 20.6
13 14 14 15 16 17 16 17 17 17 17 17	400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 220 kV 133 kV 133 kV 135 kV 1400 kV 220 kV 220 kV 400 kV 220 kV 220 kV	VINDHYACHAL. BHAAND RAPPSHUAHAD REPRESENTATION BHAYPIRA-MORAK MERICADA-AURANYA MICHAGON-AURANYA MICHAGON-AURANYA MICHAGON-AURANYA MICHAGON-AURANYA MICHAGON-AURANYA MICHAGON-AURANYA MICHAGON-AURANYA WHIN SR BHAORAWATI BE RAIGARI-PIGALUR WARDILA-NIZAMARAD ROLAPUR-RAIGHUR ROLAPUR-RAIGHUR WARDILA-NIZAMARAD ROLAPUR-RAIGHUR ROLAPUR-RAIGHUR WARDILA-NIZAMARAD ROLAPUR-RAIGHUR ROLAPUR-RAIGHU	TERNATIONAL EX: Line 300kV MANGBECHHA ALIPURDUAR RECEIPI HEF 4° 1804VV 300kV TAL-8BINAGURI MALBASE - BINAGURI 132kV GUKHABIRRA 132kV GELEPHU-SALAI 132kV MOTANGA-RANG 132kV MAHENDRANAG	952 609 0 0 12 112 94 0 9 10 112 94 0 0 10 10 10 10 10 10 10 10 10 10 10 10	0 255 0 30 0 0 0 0 WR-NR 1016 6016 1935 3489 0 0 138 WR-SR Max (MW) 206 409 -165	21.6 5.1 0.0 0.0 1.8 1.4 1.4 0.0 0.0 87.1 87.1 0.0 0.0 0.1 0.1 0.1 0.0 0.1 0.2 2.2 2.2.2 Min (MW) -43 34	0.0 1.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	21.6 3.6 0.0 0.0 1.8 1.4 0.0 0.0 1.8 1.4 0.0 0.0 2.8 24.8 20.4 29.4 29.4 21.78 53.9 19.6 0.0 2.5 104.2 20.4 20.4 21.7 21.10 0.06 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0
13 14 14 15 16 17 16 17 17 17 17 17	400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 220 kV 133 kV 220 kV 132 kV 250 kV 400 kV 260 kV 26	VINDHYACHAL. RHAMD RAPPSHUAH PUR BHANFURA RANFUR BHANFURA RANFUR BHANFURA RANFUR BHANFURA RANFUR BHANFURA RANFUR MEHADAN AMRAHA WHIN SR BHADANAN IRB BHADANAN IRB BHADANAN IRB BHADANAN IRB WARDHAN IRAMBAR WARDHAN IRAMBAR WARDHAN IRAMBAR KOHAPUR RAHB WARDHAN IRAMBAR KOHAPUR CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI XELDEM-AMBEWADI IN REGION ER ER ER NER	TERNATIONAL EX: 100kV MANGDECHHU- ALIPURDUAR RECEIPI 100kV 1ALA-BINAGURI 100kV 1ALA-B	952 609 0 0 12 112 94 0 9 10 112 94 0 0 10 10 10 10 10 10 10 10 10 10 10 10	0 255 0 30 0 0 0 0 WR-NR 1016 6016 1935 1945 0 0 138 WR-SR Max (MW) 206 409 -165	21,6 5,1 0,0 0,0 1,8 1,4 0,0 87,1 0,0 0,0 87,1 0,0 0,0 0,0 1,0 1,0 0,0 1,0 1,0 1,0 1	0.0 1.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 141.9 20.4 94.2 94.2 0.0 0.0 0.0 0.0 0.0 186.4 Import Avg (MW) 67 174 -46	21.6 3.6 0.0 0.0 1.8 1.4 0.0 0.0 1.8 1.4 0.0 0.0 2.4 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.5 1.6 2.0 2.5 1.6 2.6 2.6 2.6 4.17 1.10 0.06
13 14 14 15 16 17 16 17 17 17 17 17	400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 220 kV 133 kV 133 kV 135 kV 1400 kV 220 kV 220 kV 400 kV 220 kV 220 kV	VINDHYACHAL. BHAAND RAPPSHUAHAD REPRESENTATION BHAYPIRA-MORAK MERICADA-AURANYA MICHAGON-AURANYA MICHAGON-AURANYA MICHAGON-AURANYA MICHAGON-AURANYA MICHAGON-AURANYA MICHAGON-AURANYA MICHAGON-AURANYA WHIN SR BHAORAWATI BE RAIGARI-PIGALUR WARDILA-NIZAMARAD ROLAPUR-RAIGHUR ROLAPUR-RAIGHUR WARDILA-NIZAMARAD ROLAPUR-RAIGHUR ROLAPUR-RAIGHUR WARDILA-NIZAMARAD ROLAPUR-RAIGHUR ROLAPUR-RAIGHU	TERNATIONAL EX: Line 300kV MANGBECHHA ALIPURDUAR RECEIPI HEF 4° 1804VV 300kV TAL-8BINAGURI MALBASE - BINAGURI 132kV GUKHABIRRA 132kV GELEPHU-SALAI 132kV MOTANGA-RANG 132kV MAHENDRANAG	952 609 0 0 12 112 94 0 9 10 112 94 0 0 10 10 10 10 10 10 10 10 10 10 10 10	0 255 255 0 0 0 0 0 WR-NR 0 0 WR-NR 1016 66016 1935 3459 0 0 138 WR-SR Max (MW) 206 409 -165	21.6 5.1 0.0 0.0 1.8 1.4 1.4 0.0 0.0 87.1 87.1 0.0 0.0 0.1 0.1 0.1 0.0 0.1 0.2 2.2 2.2.2 Min (MW) -43 34	0.0 1.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	21.6 3.6 0.0 0.0 1.8 1.4 0.0 0.0 1.8 1.4 0.0 0.0 2.8 24.8 20.4 29.4 29.4 21.78 53.9 19.6 0.0 2.5 104.2 20.4 20.4 21.7 21.10 0.06 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0
13 14 14 15 16 17 16 17 17 17 17 17	400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 220 kV 133 kV 133 kV 135 kV 1400 kV 220 kV 220 kV 400 kV 220 kV 220 kV	VINDHYACHAL. BHAAND RAPPSHUAHAD REPRESENTATION BHAYPIRA-MORAK MERICADA-AURANYA MICHAGON-AURANYA MICHAGON-AURANYA MICHAGON-AURANYA MICHAGON-AURANYA MICHAGON-AURANYA MICHAGON-AURANYA MICHAGON-AURANYA WHIN SR BHAORAWATI BE RAIGARI-PIGALUR WARDILA-NIZAMARAD ROLAPUR-RAIGHUR ROLAPUR-RAIGHUR WARDILA-NIZAMARAD ROLAPUR-RAIGHUR ROLAPUR-RAIGHUR WARDILA-NIZAMARAD ROLAPUR-RAIGHUR ROLAPUR-RAIGHU	TERNATIONAL EX: Line 300kV MANGBECHHA ALIPURDUAR RECEIPI HEF 4° 1804VV 300kV TAL-8BINAGURI MALBASE - BINAGURI 132kV GUKHABIRRA 132kV GELEPHU-SALAI 132kV MOTANGA-RANG 132kV MAHENDRANAG	952 609 0 0 112 94 0 0 0 12 94 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 255 255 0 0 0 0 0 WR-NR 0 0 WR-NR 1016 66016 1935 3459 0 0 138 WR-SR Max (MW) 206 409 -165	21.6 5.1 0.0 0.0 1.8 1.4 1.4 0.0 0.0 87.1 87.1 0.0 0.0 0.1 0.1 0.1 0.0 0.1 0.2 2.2 2.2.2 Min (MW) -43 34	0.0 1.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	21.6 3.6 0.0 0.0 1.8 1.4 0.0 0.0 1.8 1.4 0.0 0.0 2.8 24.8 20.4 29.4 29.4 21.78 53.9 19.6 0.0 2.5 104.2 20.4 20.4 21.7 21.10 0.06 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0
13 14 14 15 16 17 16 17 17 17 17 17	400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 220 kV 133 kV 133 kV 135 kV 1400 kV 220 kV 220 kV 400 kV 220 kV 220 kV	VINDHYACHAL. RHAMD RAPPSHUAH PURR BHANFURA RANFUR BHANFURA RANFUR BHANFURA MORAK MEHGAON-AURAHYA MAMAYIR ALITHUR WITH SR) BHANFURA MILITHUR WITH SR) BHANFURA MILITHUR WITH SR) BHANFURA MILITHUR SOLAFUR RAICHUR SOLAFUR RAICHUR SOLAFUR RAICHUR SOLAFUR RAICHUR SOLAFUR RAICHUR ENDIAMBER MINISTER KOLAFUR RAICHUR SOLAFUR RAICHUR SOLAFUR RAICHUR SOLAFUR RAICHUR ENDIAMBER MADI XELDEM-AMBEWADI IN Region ER ER ER NER NER NER NER	TERNATIONAL EX: Line BORY MANGDECHHU- ALIPURDUAR RECEIPI BORY TRA MINAGERI BORY CHILDRA BIRARA MALBASE - BIRAGRI LIZEN GENERARA) LIZEN GELEPHU-SALAH LIZEN GELEPHU-SALAH LIZEN GELEPHU-SALAH LIZEN MOTANGA-RANG LIZEN MAHENDRANAG NEPAL IMPORT (FROM	952 609 0 0 112 94 0 0 0 12 94 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 255 0 0 0 0 0 0 WR-NR 1016 6016 1935 3489 0 0 138 WR-SR Max (MW) 206 409 -165	21,6 5,1 0,0 0,0 1,8 1,4 0,0 87,1 0,0 0,0 0,1 0,1 0,0 0,1 0,1 0,1 0,1 0	0.0 1.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 141.9 26.4 94.2 17.9 53.9 0.0 0.0 0.0 186.4 Import Avg (MW) 67 174 -46 3 -28	21.6 3.6 0.0 0.0 1.8 1.4 0.0 0.0 -54.8 -20.4 -24.2 -17.8 -19.5 -10.9 -10
13 14 14 15 16 17 16 17 17 17 17 17	400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 220 kV 133 kV 133 kV 135 kV 1400 kV 220 kV 220 kV 400 kV 220 kV 220 kV	VINDHYACHAL. BHAAND RAPPSHUAH PUR BHAYPURA BANYUR BHAYPURA MORAK MEHGADA AURAH MELADA AURAH GWALIOR SAWAI MADHOPUR RAGHAYLA LAITUR WITH SR BHADRAWATI BE RAIGARLE GALER WARDHAYLA GALER WARDHAYLA GALER WARDHAYLA GALER WARDHAYLA GALER WARDHAYLA MARHAYLA FREE FR ER ER NER NER NER NER ER ER	TERNATIONAL EX- Line 400RV MANGDECHHU- ALIPURDUAR RECEIPI HEP 4180AW 400RV TALA-BINAGURI RECEIPI (ITOM TALA-BI MALBASE - BINAGURI RECEIPI (ITOM TALA-BI HALBASE - BIRPARA); 132RV GELEPHU-SALAI 132RV MOTANGA-RANG 132RV MAHENDRANAG NEPAL IMPORT (FROM 400RV DHALKEBAR-MU	952 609 0 0 112 94 0 0 0 12 94 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 255 255 0 0 0 0 0 0 WR-NR 1016 6916 1915 19459 0 0 138 WR-SR Max (MW) 206 409 -165 16 -53	21.6 5.1 0.0 0.0 1.8 1.4 0.0 0.0 1.8 1.4 0.0 0.0 87.1 0.0 0.0 0.0 0.1 0.0 0.0 0.0 2.5 22.2 Min (MW) -43 -6 0 -16	0.0 1.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	21.6 3.6 0.0 0.0 1.8 1.4 0.0 0.1 1.8 1.4 0.0 0.2 2.8 2.0.4 2.0.2 2.0.4 2.0.3 2.0.4 2.0.3 2.0.4 2.0.4 2.0.4 2.0.4 2.0.4 2.0.4 2.0.4 2.0.4 2.0.4 2.0.4 2.0.4 2.0.4 2.0.4 2.0.4 2.0.4 2.0.4 2.0.0 0.0 2.5 1.64.2 4.17 1.62 4.17 -1.10 0.06 -0.68 0.00 -2.83
13 14 14 15 16 17 16 17 17 17 17 17	400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 220 kV 133 kV 133 kV 135 kV 1400 kV 220 kV 220 kV 400 kV 220 kV 220 kV	VINDHYACHAL. RHAMD RAPPSHUAH PURR BHANFURA RANFUR BHANFURA RANFUR BHANFURA MORAK MEHGAON-AURAHYA MAMAYIR ALITHUR WITH SR) BHANFURA MILITHUR WITH SR) BHANFURA MILITHUR WITH SR) BHANFURA MILITHUR SOLAFUR RAICHUR SOLAFUR RAICHUR SOLAFUR RAICHUR SOLAFUR RAICHUR SOLAFUR RAICHUR ENDIAMBER MINISTER KOLAFUR RAICHUR SOLAFUR RAICHUR SOLAFUR RAICHUR SOLAFUR RAICHUR ENDIAMBER MADI XELDEM-AMBEWADI IN Region ER ER ER NER NER NER NER	TERNATIONAL EX: Line BORY MANGDECHHU- ALIPURDUAR RECEIPI BORY TRA MINAGERI BORY CHILDRA BIRARA MALBASE - BIRAGRI LIZEN GENERARA) LIZEN GELEPHU-SALAH LIZEN GELEPHU-SALAH LIZEN GELEPHU-SALAH LIZEN MOTANGA-RANG LIZEN MAHENDRANAG NEPAL IMPORT (FROM	952 609 0 0 112 94 0 0 0 122 94 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 255 0 0 0 0 0 0 WR-NR 1016 6016 1935 3489 0 0 138 WR-SR Max (MW) 206 409 -165	21,6 5,1 0,0 0,0 1,8 1,4 0,0 87,1 0,0 0,0 0,1 0,1 0,0 0,1 0,1 0,1 0,1 0	0.0 1.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 141.9 26.4 94.2 17.9 53.9 0.0 0.0 0.0 186.4 Import Avg (MW) 67 174 -46 3 -28	21.6 3.6 0.0 0.0 1.8 1.4 0.0 0.0 1.8 1.4 0.0 0.0 5-4.8 2-94.2 17.8 19.6 0.0 0.0 1.8 1.4 0.0 0.0 1.8 1.4 0.0 0.0 1.8 1.4 0.0 0.0 1.8 1.6 1.7 1.7 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6
13 14 14 15 16 17 17 17 17 17 17 17	400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 133 kV 133 kV 133 kV 135 kV 1400 kV 220 kV 220 kV 220 kV 400 kV 220 kV	VINDHYACHAL-RHAND RAPPSHUAHPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-RANPUR RHANDA-RANPAR RHANDA-RANPAR RHANDA-RANPAR RHANDA-RANPAR RHANDA-RANPAR BHANPURA-RHANDA BHANPURA-	TERNATIONAL EX Line GORV MANGDECHHU- ALIPURDUAR RECEIPI HEF 47 180A VI. MALBASE - BINAGURI MALBASE - BINAGURI POR VILLE - BINAGURI 1326V GELEPHU-SALAI 1326V GELEPHU-SALAI 1326V MOTANGA-RANG 1326V MAHENDRANGA NEPAL IMPORT (FROM 4006V DHALKEBAR-MU BHERAMARA B/B HVD	952 609 0 0 12 112 94 0 9 10 112 94 0 0 10 114 0 0 0 10 114 1164 0 0 0 0 CHANGES Name UHPURDUAR 1,2&3 Le. (from MANGDECHU 1,2 (4 000KV 1) Le. BINAGUR ET (27 27 37 38 KV 2 4 37 38 KV 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	0 255 255 0 0 0 0 0 0 WR-NR 0 0 0 WR-NR 1016 66016 1935 3459 0 0 138 WR-SR Max (MW) 206 409 -165 16 -53	21.6 5.1 0.0 0.0 1.8 1.4 1.4 0.0 0.0 87.1 87.1 0.0 0.0 0.0 0.1 0.0 0.1 0.0 0.1 0.0 19.6 0.0 2.2 2.2 2.2 Min (MW) -43 34 98 2 -6 0 -16 -266	0.0 1.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	21.6 3.6 0.0 0.0 1.8 1.4 0.0 0.0 1.8 1.4 0.0 0.0 2.0 2.8 1.7 2.0.4 9.42 1.78 5.33 19.6 0.0 2.8 1.64,2 1.7 1.10 0.06 -0.68 0.00 -2.83 -0.68
13 14 14 15 16 17 17 17 17 17 17 17	400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 220 kV 133 kV 133 kV 135 kV 1400 kV 220 kV 220 kV 400 kV 220 kV 220 kV	VINDHYACHAL-RHAND RAPPSHUAHDIPUR BHANFURA-RANFUR BHANFURA-RANFUR BHANFURA-RANFUR BHANFURA-RANFUR BHANFURA-RANFUR BHANFURA-RANFUR MUTANIA MANAHAMATA-RANFUR WITH SR) BHANFURA-RANFUR BHANFURA-RANFUR BHANFURA-RANFUR RANGHAFURA-RANFUR WARDIA-NIZAM-RAND KOLHAPIR-RANFUR KOLHAPIR-RANFUR ER ER ER NER NER NER NER NER	TERNATIONAL EX- Line 400RV MANGDECHHU- ALIPURDUAR RECEIPI HEP 4180AW 400RV TALA-BINAGURI RECEIPI (ITOM TALA-BI MALBASE - BINAGURI RECEIPI (ITOM TALA-BI HALBASE - BIRPARA); 132RV GELEPHU-SALAI 132RV MOTANGA-RANG 132RV MAHENDRANAG NEPAL IMPORT (FROM 400RV DHALKEBAR-MU	952 609 0 0 12 112 94 0 9 10 112 94 0 0 10 114 0 0 0 10 114 1164 0 0 0 0 CHANGES Name UHPURDUAR 1,2&3 Le. (from MANGDECHU 1,2 (4 000KV 1) Le. BINAGUR ET (27 27 37 38 KV 2 4 37 38 KV 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	0 255 255 0 0 0 0 0 0 WR-NR 1016 6916 1915 19459 0 0 138 WR-SR Max (MW) 206 409 -165 16 -53	21.6 5.1 0.0 0.0 1.8 1.4 0.0 0.0 1.8 1.4 0.0 0.0 87.1 0.0 0.0 0.0 0.1 0.0 0.0 0.0 2.5 22.2 Min (MW) -43 -6 0 -16	0.0 1.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	21.6 3.6 0.0 0.0 1.8 1.4 0.0 0.9 1.8 1.4 0.0 0.9 2.8 2.0.4 2.0.2 2.0.4 2.0.3 2.0.4 2.0.6 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0
13 14 14 15 16 17 17 17 17 17 17 17	400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 133 kV 133 kV 133 kV 135 kV 1400 kV 220 kV 220 kV 220 kV 400 kV 220 kV	VINDHYACHAL-RHAND RAPPSHUAHPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-RANPUR RHANDA-RANPAR RHANDA-RANPAR RHANDA-RANPAR RHANDA-RANPAR RHANDA-RANPAR BHANPURA-RHANDA BHANPURA-	TERNATIONAL EX Line GORV MANGDECHHU- ALIPURDUAR RECEIPI HEF 47 180A VI. MALBASE - BINAGURI MALBASE - BINAGURI POR VILLE - BINAGURI 1326V GELEPHU-SALAI 1326V GELEPHU-SALAI 1326V MOTANGA-RANG 1326V MAHENDRANGA NEPAL IMPORT (FROM 4006V DHALKEBAR-MU BHERAMARA B/B HVD	952 609 0 0 12 112 94 0 9 10 112 94 0 0 10 114 0 0 0 10 114 1164 0 0 0 0 CHANGES Name UHPURDUAR 1,2&3 Le. (from MANGDECHU 1,2 (4 000KV 1) Le. BINAGUR ET (27 27 37 38 KV 2 4 37 38 KV 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	0 255 255 0 0 0 0 0 0 WR-NR 0 0 0 WR-NR 1016 66016 1935 3459 0 0 138 WR-SR Max (MW) 206 409 -165 16 -53	21.6 5.1 0.0 0.0 1.8 1.4 1.4 0.0 0.0 87.1 87.1 0.0 0.0 0.0 0.1 0.0 0.1 0.0 0.1 0.0 19.6 0.0 2.2 2.2 2.2 Min (MW) -43 34 98 2 -6 0 -16 -266	0.0 1.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	21.6 3.6 0.0 0.0 1.8 1.4 0.0 0.0 1.8 1.4 0.0 0.0 2.8 2.94.2 1.17.8 5.33 19.6 0.0 2.8 2.164,2 4.17 1.10 0.06 -0.68 0.00 -2.83 -6.84 0.00 -2.83 -8.47
13 14 14 15 16 17 17 17 17 17 17 17	400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 133 kV 133 kV 133 kV 135 kV 1400 kV 220 kV 220 kV 220 kV 400 kV 220 kV	VINDHYACHAL-RHAND RAPPSHUAHDIPUR BHANFURA-RANFUR BHANFURA-RANFUR BHANFURA-RANFUR BHANFURA-RANFUR BHANFURA-RANFUR BHANFURA-RANFUR MUTANIA MANAHAMATA-RANFUR WITH SR) BHANFURA-RANFUR BHANFURA-RANFUR BHANFURA-RANFUR RANGHAFURA-RANFUR WARDIA-NIZAM-RAND KOLHAPIR-RANFUR KOLHAPIR-RANFUR ER ER ER NER NER NER NER NER	TERNATIONAL EX Line GORV MANGDECHHU- ALIPURDUAR RECEIPI HEF 47 180A VI. MALBASE - BINAGURI MALBASE - BINAGURI POR VILLE - BINAGURI 1326V GELEPHU-SALAI 1326V GELEPHU-SALAI 1326V MOTANGA-RANG 1326V MAHENDRANGA NEPAL IMPORT (FROM 4006V DHALKEBAR-MU BHERAMARA B/B HVD	952 609 0 0 112 94 0 0 0 112 94 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 255 255 0 0 0 0 0 0 WR-NR 0 0 0 WR-NR 1016 66016 1935 3459 0 0 138 WR-SR Max (MW) 206 409 -165 16 -53	21.6 5.1 0.0 0.0 1.8 1.4 1.4 0.0 0.0 87.1 87.1 0.0 0.0 0.0 0.1 0.0 0.1 0.0 0.1 0.0 19.6 0.0 2.2 2.2 2.2 Min (MW) -43 34 98 2 -6 0 -16 -266	0.0 1.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	21.6 3.6 0.0 0.0 1.8 1.4 0.0 0.0 1.8 1.4 0.0 0.0 2.8 2.94.2 1.17.8 5.33 19.6 0.0 2.8 2.164,2 4.17 1.10 0.06 -0.68 0.00 -2.83 -6.84 0.00 -2.83 -8.47
13 14 14 15 16 17 17 17 17 17 17 17	400 kV 400 kV 220 kV 220 kV 220 kV 220 kV 133 kV 133 kV 133 kV 135 kV 1400 kV 220 kV 220 kV 220 kV 400 kV 220 kV	VINDHYACHAL-RHAND RAPPSHUAHURE BHANFURA-RANFUR BHANFURA-RANFUR BHANFURA-RANFUR BHANFURA-RANFUR BHANFURA-RANFUR BHANFURA-RANFUR MUTAN AND AND AND AND AND AND AND AND AND A	TERNATIONAL EX Line BORY MANGDECHHU- ALIPITROUAR RECEIPT 1804 TALA BINAGURI 1804 TALA BIN	952 609 0 0 112 94 0 0 0 112 94 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 255 255 0 30 0 0 0 WR-NR 1006 6016 1935 4459 0 0 138 WR-SR Max (MW) 206 409 -165 16 -166 -441 -951	21.6 5.1 0.0 0.0 1.8 1.4 0.0 87.1 1.4 0.0 87.1 0.0 0.0 1.8 1.4 0.0 87.1 0.0 0.0 0.0 0.0 1.6 1.6 0.0 0.0 2.5 22.2 22.2 Min (MW) -43 -6 0 -16 -266 -843	0.0 1.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	21.6 3.6 0.0 0.0 1.8 1.4 0.0 0.0 1.8 1.4 0.0 0.0 -54.8 20.4 -94.4 -94.4 -94.5 -10.6 0.0 0.0 2.5 -164.2 +ve)/Export(-ve) Energy Exchange (MI) 1.62 4.17 -1.10 0.06 -0.68 0.00 -2.83 -8.47 -22.25