

National Load Despatch Centre राष्ट्रीय भार प्रेषण केंद्र

POWER SYSTEM OPERATION CORPORATION LIMITED पाँवर 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

To,

- 1. कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के.,14, गोल्फ क्लब रोड, कोलकाता ७०००३३ 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., २९ , रेस कोर्स क्रॉस रोड, बंगलुरु –५६०००९ Executive Director, SRLDC, 29, Race Course Cross Road, Bangalore-560009

Sub: Daily PSP Report for the date 07.05.2020.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 07-मई-2020 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 07th May 2020, is available at the NLDC website.

धन्यवाद,

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



Report for pre	evious day oly Position at All India and Regional level				Dat	e of Reporting:	08-Ma	ay-202
титочет бирр	Ny 1 ookion at 111 maar and Negronariever	NR	WR	SR	ER	NER	TOTAL	1
Demand Met du	ring Evening Peak hrs(MW) (at 2000 hrs; from RLDCs)	39776	40192	34575	15197	2321	132061	1
Peak Shortage (MW)	752	0	0	0	141	893	1
Energy Met (MU	J)	823	1007	877	326	36	3068	1
Hydro Gen (MU))	236	41	84	75	6	442	1
Wind Gen (MU)		9	64	35	-	-	108	1
Solar Gen (MU)	*	43.57	29.81	83.15	4.71	0.04	161	1
Energy Shortage	e (MU)	11.1	0.0	0.0	0.0	2.2	13.3	1
Maximum Dema	and Met During the Day (MW) (From NLDC SCADA)	41587	45126	41083	16055	2433	138608	1
Time Of Maximu	um Demand Met (From NLDC SCADA)	22:29	15:25	14:38	00:00	18:40	22:26]
B. Frequency l	Profile (%)							
Region	FVI	< 49.7	49.7 - 49.8	49.8 - 49.9	< 49.9	49.9 - 50.05	> 50.05	1
All India	0.030	0.00	0.00	3.82	3.82	79.80	16.38	1
C. Power Supp	ply Position in States							
		Max.Demand	Shortage during	Energy Met	Drawal	OD(+)/UD(-)	Max OD	E
Region	States	Met during the day(MW)	maximum Demand(MW)	(MU)	Schedule (MU)	(MU)	(MW)	Sh (
	Puniah	5070	Λ	112 9	89 1	-13	109	1

	y r oskor in others	Max.Demand	Shortage during	Energy Met	Drawal	OD(+)/UD(-)	Max OD	Energy
Region	States	Met during the	maximum	(MU)	Schedule	(MU)	(MW)	Shortage
		day(MW)	Demand(MW)	(MU)	(MU)	(MU)	(MW)	(MU)
	Punjab	5070	0	112.9	89.1	-1.3	109	0.0
	Haryana	5726	50	109.1	100.5	1.4	364	0.9
	Rajasthan	9071	0	192.5	77.0	1.1	354	0.0
	Delhi	3388	0	65.7	54.8	-2.0	0	0.0
NR	UP	15278	0	257.6	120.0	-1.4	868	0.2
	Uttarakhand	1230	0	22.7	6.9	-0.5	142	0.0
	HP	1022	0	17.4	-0.1	-0.3	99	0.0
	J&K(UT) & Ladakh(UT)	2091	523	41.9	22.2	0.6	323	9.9
	Chandigarh	157	0	3.2	3.1	0.1	11	0.0
	Chhattisgarh	3203	0	65.6	15.0	-1.4	194	0.0
	Gujarat	13873	0	303.6	92.8	3.7	482	0.0
	MP	8747	0	186.8	100.2	-2.0	519	0.0
WR	Maharashtra	19480	0	427.2	187.9	-2.1	487	0.0
	Goa	489	0	10.6	10.3	-0.1	32	0.0
	DD	178	0	3.9	3.7	0.2	29	0.0
	DNH	338	0	7.6	7.6	0.0	27	0.0
	AMNSIL	432	0	1.3	1.2	0.2	123	0.0
	Andhra Pradesh	8762	0	171.7	105.2	0.5	655	0.0
	Telangana	6823	0	141.8	64.0	0.3	607	0.0
SR	Karnataka	10435	0	205.2	59.4	0.6	535	0.0
	Kerala	3451	0	69.8	48.2	0.5	185	0.0
	Tamil Nadu	12289	0	281.7	178.6	-0.4	511	0.0
	Puducherry	347	0	7.3	7.4	-0.2	49	0.0
	Bihar	4190	0	71.3	68.7	-1.5	445	0.0
	DVC	2051	0	43.1	-18.6	0.5	230	0.0
	Jharkhand	1196	0	21.5	15.2	-2.1	115	0.0
ER	Odisha	3542	0	72.6	-7.1	0.1	205	0.0
	West Bengal	5620	0	116.0	38.1	1.3	405	0.0
	Sikkim	89	0	1.2	1.5	-0.3	17	0.0
	Arunachal Pradesh	104	1	1.9	1.0	0.8	31	0.0
	Assam	1439	110	21.8	20.7	-0.1	94	2.0
	Manipur	185	1	2.2	2.3	-0.2	29	0.0
NER	Meghalaya	282	0	4.6	2.5	-0.1	53	0.1
	Mizoram	96	1	1.7	1.4	0.2	19	0.0
	Nagaland	113	1	2.0	2.0	-0.1	12	0.0
	Tripura	265	2	1.4	2.7	-0.2	38	0.0

D. Transnational Exchanges (MU) - Import(+ve)/Export(-ve)			
	Bhutan	Nepal	Bangladesh
Actual (MU)	16.7	-0.3	-14.2
Day Peak (MW)	974.3	-195.5	-924.0

Schedule(MU)	169.3	-227.0	161.3	-106.5	2.8	-0.2
Actual(MU)	151.8	-238.2	188.6	-107.0	5.0	0.2
O/D/U/D(MU)	-17.5	-11.2	27.3	-0.5	2,2	0.4
F. Generation Outage(MW)	N.D.		an.		L	TOTAL
	NR	WR	SR	ER	NER	
	1111			LIC	HILI	
Central Sector	7248	16643	9112	1730	649	35382
Central Sector State Sector						

G. Sourcewise generation (MU)						
	NR	WR	SR	ER	NER	All India
Coal	303	988	369	383	7	2050
Lignite	22	16	37	0	0	75
Hydro	236	41	84	75	6	443
Nuclear	28	36	52	0	0	116
Gas, Naptha & Diesel	24	72	19	0	24	139
RES (Wind, Solar, Biomass & Others)	78	109	145	5	0	337
Total	691	1262	706	462	37	3158
Share of RES in total generation (%)	11.33	8.64	20.53	1.02	0.11	10.67
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation(%)	49.54	14.77	39.82	17.20	16.26	28.35

H. All India Demand Diversity Factor	
Based on Regional Max Demands	1.055
Based on State Max Demands	1.090

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)

							Import=(+ve) /Expo Date of Reporting	
SI No	Voltage Level	Line Details	Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
Impor	rt/Export of ER (V							
2	HVDC HVDC	ALIPURDUAR-AGRA PUSAULI B/B	S/C	0	0 249	0.0	0.0 6.1	0.0 -6.1
3	765 kV	GAYA-VARANASI	D/C	0	663	0.0	8.1	-8.1
5	765 kV 765 kV	SASARAM-FATEHPUR GAYA-BALIA	S/C S/C	59	290 363	0.0	2.2 5.2	-2.2 -5.2
6	400 kV	PUSAULI-VARANASI	S/C	Õ	202	0.0	3.9	-3.9
7	400 kV	PUSAULI -ALLAHABAD	S/C D/C	0	128	0.0	2.0 9.9	-2.0 -9.9
8	400 kV 400 kV	MUZAFFARPUR-GORAKHPUR PATNA-BALIA	O/C	0	746 667	0.0	8.8	-9.9
10	400 kV	BIHARSHARIFF-BALIA	D/C	0	356	0.0	5.0	-5.0
11 12	400 kV 400 kV	MOTIHARI-GORAKHPUF BIHARSHARIFF-VARANASI	D/C D/C	0 100	212 231	0.0	2.9 2.0	-2.9 -2.0
13	220 kV	PUSAULI-SAHUPURI	S/C	0	173	0.0	3.0	-3.0
14	132 kV	SONE NAGAR-RIHAND GARWAH-RIHAND	S/C S/C	0 30	0	0.0 1.8	0.0	0.0 1.8
15 16	132 kV 132 kV	KARMANASA-SAHUPURI	S/C	0	0	0.0	0.0	0.0
17		KARMANASA-CHANDAULI	S/C	Õ	0	0.0	0.0	0.0
Impor	rt/Export of ER (V	Vith WR)			ER-NR	1.8	58.9	-57.1
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1184	0	19.0	0.0	19.0
2	765 kV	NEW RANCHI-DHARAMJAIGARH	D/C	420	280	4.3	0.0	4.3
3	765 kV	JHARSUGUDA-DURG	D/C	0	468	0.0	6.3	-6.3
4	400 kV	JHARSUGUDA-RAIGARH	Q/C	61	230	0.0	1.5	-1.5
5	400 kV	RANCHI-SIPAT	D/C	242	138	3.3	0.0	3.3
7	220 kV 220 kV	BUDHIPADAR-RAIGARH	S/C D/C	0 161	106	1.9	1.5 0.0	-1.5 1.9
	220 KV	BUDHIPADAR-KORBA	D/C	101	ER-WR	28.5	9.3	19.2
	rt/Export of ER (V							
2		JEYPORE-GAZUWAKA B/B TALCHER-KOLAR BIPOLE	D/C D/C	0	645 2268	0.0	6.2 50.1	-6.2 -50.1
3	765 kV	ANGUL-SRIKAKULAM	D/C	0	3281	0.0	69.2	-69.2
4	400 kV	TALCHER-I/C	D/C	0	960	0.0	6.7	-6.7
5	220 kV	BALIMELA-UPPER-SILERRU	S/C	l I	0 ER-SR	0.0	0.0 125.4	0.0 -125.4
	rt/Export of ER (V			1 20:				
2	400 kV 400 kV	BINAGURI-BONGAIGAON ALIPURDUAR-BONGAIGAON	D/C D/C	284 366	2 24	3.3	0.0	3.3 3.8
3		ALIPURDUAR-SALAKATI	D/C	63	37	0.5	0.0	0.5
		OVER AND			ER-NER	7.6	0.0	7.6
1mpor	rt/Export of NER (HVDC	BISWANATH CHARIALI-AGRA	_	467	0	11.7	0.0	11.7
			•		NER-NR	11.7	0.0	11.7
Impor	rt/Export of WR (D/C	0	0	0.0	5.7	-5.7
2	HVDC HVDC	CHAMPA-KURUKSHETRA V'CHAL B/B	D/C	272	53	0.0	1.1	-1.1
3	HVDC	APL -MHG	D/C	0	1125	0.0	27.9	-27.9
5	765 kV 765 kV	GWALIOR-AGRA PHAGI-GWALIOR	D/C D/C	0	2228 1439	0.0	38.1 27.3	-38.1 -27.3
6	765 kV	JABALPUR-ORAI	D/C	0	759	0.0	23.6	-23.6
- 7 - 8	765 kV 765 kV	GWALIOR-ORAI SATNA-ORAI	S/C S/C	548 0	0 1369	10.5 0.0	0.0 28.8	10.5 -28.8
9	765 kV	CHITORGARH-BANASKANTHA	D/C	428	568	0.0	1.5	-1.5
10	400 kV	ZERDA-KANKROLI	S/C	235	3	2.9	0.0	2.9
11		ZERDA -BHINMAL	S/C	274	74	2.2	0.0	2.2
		V'CHAL -RIHAND	S/C	963	0	77.7	0.0	22.2
13	400 kV	V'CHAL -RIHAND RAPP-SHUJALPUR	S/C D/C	963 334	0 12	22.2 3.9	0.0 0.0	22.2 3.9
14	400 kV 220 kV	RAPP-SHUJALPUR BHANPURA-RANPUR	D/C S/C	334 50	12 42	3.9 0.1	0.0 0.3	3.9 -0.2
14 15	400 kV 220 kV 220 kV	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK	D/C S/C S/C	334 50 10	12 42 66	3.9 0.1 0.0	0.0 0.3 0.8	3.9 -0.2 -0.8
14 15 16 17	400 kV 220 kV 220 kV 220 kV 220 kV	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA	D/C S/C S/C S/C S/C	334 50 10 88 57	12 42 66 0	3.9 0.1 0.0 0.9 0.4	0.0 0.3 0.8 0.0 0.0	3.9 -0.2 -0.8 0.9 0.4
14 15 16	400 kV 220 kV 220 kV 220 kV	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA	D/C S/C S/C S/C	334 50 10 88	12 42 66 0 10	3.9 0.1 0.0 0.9 0.4 0.0	0.0 0.3 0.8 0.0 0.0	3.9 -0.2 -0.8 0.9 0.4 0.0
14 15 16 17 18	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHCAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUF With SR)	D/C S/C S/C S/C S/C	334 50 10 88 57	12 42 66 0 10 0 WR-NR	3.9 0.1 0.0 0.9 0.4 0.0 43.2	0.0 0.3 0.8 0.0 0.0 0.0 155.0	3.9 -0.2 -0.8 0.9 0.4 0.0 -111.9
14 15 16 17 18 Import	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV rt/Export of WR (V	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPUR-AURAHYA GWALIOR-SAWAH MADHOPUF With SR)	D/C S/C S/C S/C S/C	334 50 10 88 57 0	12 42 66 0 10 0 WR-NR	3.9 0.1 0.0 0.9 0.4 0.0 43.2	0.0 0.3 0.8 0.0 0.0 0.0 155.0	3.9 -0.2 -0.8 0.9 0.4 0.0 -111.9
14 15 16 17 18 Impor	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV rt/Export of WR (V	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHCAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUF With SR)	D/C S/C S/C S/C S/C	334 50 10 88 57	12 42 66 0 10 0 WR-NR	3.9 0.1 0.0 0.9 0.4 0.0 43.2	0.0 0.3 0.8 0.0 0.0 0.0 155.0	3.9 -0.2 -0.8 0.9 0.4 0.0 -111.9
14 15 16 17 18 Impor 1 2 3 4	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV tt/Export of WR (th/DC HVDC T65 kV 765 kV	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALLOR-SAWAH MADHOPUF With SR) BHADRAWATI B/B BARSUR-L-SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAE	D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	334 50 10 88 57 0	12 42 66 0 10 WR-NR 989 0 2098 2611	3.9 0.1 0.0 0.9 0.4 0.0 43.2 0.0 0.0 0.0	0.0 0.3 0.8 0.0 0.0 0.0 155.0 23.1 0.0 36.0 51.0	3.9 -0.2 -0.8 0.9 0.4 0.0 -111.9 -23.1 0.0 -36.0
14 15 16 17 18 Impor 1 2 3 4 5	400 kV 220 kV 220 kV 220 kV 220 kV 232 kV 132 kV rt/Export of WR (HVDC HVDC 765 kV 400 kV	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUF With SR) BHADRAWATI B/B BHABRAWATI B/B BARSUR-L-SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAI KOLHAPUR-KUDGI	D/C S/C S/C	334 50 10 88 57 0	12 42 66 0 10 0 WR-NR 989 0 2098	3.9 0.1 0.0 0.9 0.4 0.0 43.2 0.0 0.0 0.0	0.0 0.3 0.8 0.0 0.0 0.0 155.0 23.1 0.0 36.0 51.0	3.9 -0.2 -0.8 0.9 0.4 -0.0 -111.9 -23.1 0.0 -36.0 -51.0
14 15 16 17 18 Impor 1 2 3 4 5 6	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV HVDC 765 kV 400 kV 220 kV	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUF With SR) BHADRAWATI B/B BARSUR-L-SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI	D/C S/C D/C D/C D/C D/C D/C S/C S/C	334 50 10 88 57 0 0 0 0 0 273 0	12 42 66 0 10 WR-NR 989 0 2098 2611 160 0	3.9 0.1 0.0 0.9 0.4 0.0 43.2 0.0 0.0 0.0 0.0 0.0	0.0 0.3 0.8 0.0 0.0 0.0 0.0 0.0 155.0 23.1 0.0 36.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	3.9 -0.2 -0.8 0.9 0.4 0.0 -111.9 -23.1 0.0 -36.0 -51.0 0.4 0.0
14 15 16 17 18 Impor 1 2 3 4 5	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV HVDC 765 kV 400 kV 220 kV	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEIIGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA WITH SHARMAN	D/C D/C	334 50 10 88 57 0	12 42 66 0 10 WR-NR 989 0 2098 2611 160 0 0	3.9 0.1 0.0 0.9 0.4 0.0 43.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.3 0.8 0.0 0.0 0.0 0.0 155.0 23.1 0.0 51.0 0.0 0.0 0.0	3.9 -0.2 -0.8 0.9 0.4 0.0 -111.9 -23.1 0.0 -36.0 -51.0 0.4 0.0 0.4 1.11.9
14 15 16 17 18 Impor 1 2 3 4 5 6	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV HVDC 765 kV 400 kV 220 kV	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUF With SR) BHADRAWATI B/B BARSUR-L-SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI	D/C S/C D/C D/C D/C D/C S/C S/C	334 50 10 88 57 0 0 0 0 273 0 0	12 42 66 0 10 0 WR-NR 989 0 2098 2611 160 0 97 WR-SR	3.9 0.1 0.0 0.9 0.4 0.0 43.2 0.0 0.0 0.0 0.0 0.0	0.0 0.3 0.8 0.0 0.0 0.0 0.0 0.0 155.0 23.1 0.0 36.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	3.9 -0.2 -0.8 0.9 0.4 0.0 -111.9 -23.1 0.0 -36.0 -51.0 0.4 0.0
14 15 16 17 18 Impor 1 2 3 4 5 6	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV HVDC 765 kV 400 kV 220 kV 220 kV 220 kV	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUB With SR) BHADRAWATI B/B BARSUR-L-SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAE KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	D/C S/C D/C D/C D/C D/C S/C S/C	334 50 10 88 88 57 0 0 0 0 273 0 0 0 RNATIONAL EXCHA!	12 42 66 0 10 0 WR-NR 989 0 2098 2611 160 0 97 WR-SR	3.9 0.1 0.0 0.9 0.4 0.0 43.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 0.3 0.8 0.0 0.0 0.0 0.0 155.0 23.1 0.0 36.0 51.0 0.0 0.0 0.0 0.0	3.9 -0.2 -0.8 0.9 0.4 0.0 -111.9 -23.1 0.0 -36.0 -51.0 0.4 0.0 -0
14 15 16 17 18 Impor 1 2 3 4 5 6	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV HVDC 765 kV 400 kV 220 kV	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUF With SR) BHADRAWATI B/B BARSUR-L-SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI	D/C S/C D/C D/C D/C D/C S/C S/C	334 50 10 88 57 0 0 0 0 273 0 0	12 42 66 0 10 0 WR-NR 989 0 2098 2611 160 0 97 WR-SR	3.9 0.1 0.0 0.9 0.4 0.0 43.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.3 0.8 0.0 0.0 0.0 0.0 155.0 23.1 0.0 51.0 0.0 0.0 0.0	3.9 -0.2 -0.8 0.9 0.4 0.0 -111.9 -23.1 -0.0 -36.0 -51.0 0.4 0.0 0.9 -17.7
14 15 16 17 18 Impor 1 2 3 4 5 6	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV HVDC 765 kV 400 kV 220 kV 220 kV 220 kV	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUB With SR) BHADRAWATI B/B BARSUR-L-SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAE KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	D/C S/C D/C D/C D/C D/C S/C S/C	334 50 10 88 57 0 0 0 0 273 0 0 0 273 0 0 0 RNATIONAL EXCHAI	12 42 66 0 10 0 WR-NR 989 0 2098 2611 160 0 97 WR-SR	3.9 0.1 0.0 0.9 0.4 0.0 43.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 0.3 0.8 0.0 0.0 0.0 0.0 155.0 23.1 0.0 36.0 51.0 0.0 0.0 0.0 0.0	3.9 -0.2 -0.8 -0.8 0.9 0.4 -0.0 -111.9 -23.1 -0.0 -36.0 -51.0 -0.4 -0.0 -1.19 -107.7
14 15 16 17 18 Impor 1 2 3 4 5 6	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV HVDC 765 kV 400 kV 220 kV 220 kV 220 kV	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA WITH SR) BHADRAWATI B/B BARSUR-L-SILERU SOLAPUR-RAIGHUR WARDHA-NIZAMABAE KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KHKODI PONDA-AMBEWADI REGION REGION	D/C S/C D/C D/C D/C D/C D/C S/C S/C INTEL Line DAGACHU (2 * 63)	334 50 10 88 57 0 0 0 0 0 273 0 0 RNATIONAL EXCHA	12 42 66 0 10 0 WR-NR 989 0 2098 2611 160 0 WR-SR NGES Max (MW)	3.9 0.1 0.0 0.9 0.4 0.0 43.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 0.3 0.8 0.0 0.0 0.0 0.0 0.0 155.0 23.1 0.0 36.0 51.0 0.0 0.0 0.0 110.0 Avg (MW)	3.9 -0.2 -0.8 -0.8 -0.9 -0.4 -0.0 -111.9 -23.1 -0.0 -36.0 -51.0 -0.0 -0.0 -1.9 -107.7 Energy Exchange (MU) -0.0
14 15 16 17 18 Impor 1 2 3 4 5 6	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV HVDC 765 kV 400 kV 220 kV 220 kV 220 kV	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA WHI SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAE KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region	D/C S/C D/C D/C D/C D/C S/C S/C S/C S/C S/C S/C S/C S/C CHUKA (4 * 84) BI	334 50 10 88 57 0 0 0 0 0 273 0 0 0 RNATIONAL EXCHA!	12 42 66 0 10 WR-NR 989 0 2098 2611 160 0 97 WR-SR,	3.9 0.1 0.0 0.9 0.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.3 0.8 0.0 0.0 0.0 0.0 0.0 155.0 23.1 0.0 36.0 51.0 0.0 0.0 0.0 110.0 Avg (MW)	3.9 -0.2 -0.8 0.9 0.4 0.0 -111.9 -23.1 0.0 -36.0 -51.0 0.4 0.0 1.9 -107.7
14 15 16 17 18 Impor 1 2 3 4 5 6	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV HVDC 765 kV 400 kV 220 kV 220 kV 220 kV	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA WITH SR) BHADRAWATI B/B BARSUR-L-SILERU SOLAPUR-RAIGHUR WARDHA-NIZAMABAE KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KHKODI PONDA-AMBEWADI REGION REGION	D/C S/C D/C D/C D/C D/C D/C S/C S/C S/C S/C S/C S/C C C C C C C C C C	334 50 10 88 57 0 0 0 0 0 273 0 0 RNATIONAL EXCHA	12 42 66 0 10 0 WR-NR 989 0 2098 2611 160 0 WR-SR NGES Max (MW)	3.9 0.1 0.0 0.9 0.4 0.0 43.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 0.3 0.8 0.0 0.0 0.0 0.0 0.0 155.0 23.1 0.0 36.0 51.0 0.0 0.0 0.0 110.0 Avg (MW)	3.9 -0.2 -0.8 -0.8 -0.9 -0.4 -0.0 -111.9 -23.1 -0.0 -36.0 -51.0 -0.0 -0.0 -1.9 -107.7 Energy Exchange (MU) -0.0
14 15 16 17 18 Impor 1 2 3 4 5 6	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 14 kV 15 kV 15 kV 16 kV 16 kV 16 kV 220 kV 220 kV 220 kV 220 kV 220 kV	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WARAWAM MEHGAON-AURAIYA MALIANPUR-AURAIYA GWALIOR-SAWAI MADHOPUB With SR BHADRAWATI B/B BHADRAWATI B/B BHADRAWATI B/B BHADRAWATI B/B KOLHAPUR-RAICHUR WARDHA-NIZAMABAE KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI XELDEM-AMBEWADI Region ER ER	D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	334 50 10 88 87 57 0 0 0 0 0 0 273 0 0 0 0 RNATIONAL EXCHA! Name	12 42 46 0 0 10 0 WR-NR 989 0 2098 2611 160 0 97 WR-SR NGES Max (MW) 0 130	3.9 0.1 0.0 0.9 0.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.3 0.8 0.0 0.0 0.0 0.0 0.0 155.0 23.1 0.0 36.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	3.9 -0.2 -0.8 0.9 0.4 0.0 -111.9 -2.3.1 0.0 -36.0 0.4 0.0 0.0 1.9 -107.7 -107.7
14 15 16 17 18 Impor 1 2 3 4 5 6	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 14 kV 15 kV 15 kV 16 kV 16 kV 16 kV 220 kV 220 kV 220 kV 220 kV 220 kV	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPURA-GRAHYA GWALIOR-SAWAH MADHOPUB With SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAIGHUR WARDHA-NIZAMABAI KOLHAPUR-CHIKODI FONDA-AMBEWADI Region ER ER	D/C S/C D/C D/C D/C D/C D/C S/C S/C S/C S/C S/C S/C C C C C C C C C C	334 50 10 88 87 57 0 0 0 0 0 0 273 0 0 0 0 RNATIONAL EXCHA! Name	12 42 66 0 0 WR-NR 989 0 2098 2611 160 0 WR-SR MGES Max (MW) 0 130	3.9 0.1 0.0 0.9 0.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.3 0.8 0.8 0.0 0.0 0.0 0.0 0.0 155.0 23.1 0.0 36.0 51.0 0.0 0.0 0.0 0.0 0.0 0.0 110.0 Avg (MW) 0	3.9 -0.2 -0.8 -0.9 -0.4 -0.0 -0.1 -0.0 -111.9 -23.1 -0.0 -36.0 -51.0 -0.4 -0.0 -1.07.7 Energy Exchange (MU) -0.0 -0.0 -0.0 -0.0 -0.0 -0.0 -0.0 -0.
14 15 16 17 18 Impor 1 2 3 4 5 6	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 14 kV 15 kV 15 kV 16 kV 16 kV 16 kV 220 kV 220 kV 220 kV 220 kV 220 kV	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-WARAWAM MEHGAON-AURAIYA MALIANPUR-AURAIYA GWALIOR-SAWAI MADHOPUB With SR BHADRAWATI B/B BHADRAWATI B/B BHADRAWATI B/B BHADRAWATI B/B KOLHAPUR-RAICHUR WARDHA-NIZAMABAE KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI XELDEM-AMBEWADI Region ER ER	D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	334 50 10 88 57 0 0 0 0 0 0 273 0 0 0 0 0 RNATIONAL EXCHAI Name RPARA RECEIPT x 180) ALIPURDUAR	12 42 46 0 0 10 0 WR-NR 989 0 2098 2611 160 0 97 WR-SR NGES Max (MW) 0 130	3.9 0.1 0.0 0.9 0.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.3 0.8 0.0 0.0 0.0 0.0 0.0 155.0 23.1 0.0 36.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	3.9 -0.2 -0.8 0.9 0.4 0.0 -111.9 -23.1 0.0 -36.0 0.4 0.0 0.0 1.9 -107.7 -107.7
14 15 16 17 18 Impor 1 2 3 4 5 6	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 14 kV 15 kV 15 kV 16 kV 16 kV 16 kV 220 kV 220 kV 220 kV 220 kV 220 kV	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA BHADRAWATI B/B BARSUR-L-SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAE KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI REGION ER ER ER ER ER ER	D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	334 50 10 88 87 0 0 0 0 0 0 273 0 0 0 0 273 0 0 RNATIONAL EXCHA! Name 0 RPARA RECEIPT x 180) ALIPURDUAR NAGURI RECEIPT - GELEPHU	12 42 46 66 0 10 0 WR-NR 989 0 2098 2611 160 0 97 WR-SR NGES Max (MW) 0 130 315 374	3.9 0.1 0.0 0.9 0.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.3 0.8 0.0 0.0 0.0 0.0 0.0 0.0 36.0 51.0 0.0 0.0 0.0 110.0 Avg (MW) 0 83 254 292	3.9 -0.2 -0.8 0.9 0.4 0.0 -111.9 -23.1 0.0 -36.0 -51.0 0.4 0.0 1.9 -107.7 Energy Exchange (MU) 0.0 2.0 6.1 7.0
14 15 16 17 18 Impor 1 2 3 4 5 6	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 14 kV 15 kV 15 kV 16 kV 16 kV 16 kV 220 kV 220 kV 220 kV 220 kV 220 kV	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA WIGH SR) BHADRAWATI B/B BARSUR-L-SILERU SOLAPUR-RAIGHUR WARDHA-NIZAMABAL KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER ER	D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C D/C D/C D/C D/C D/C S/C S/C INTEL Line DAGACHU (2 * 63) CHUKA (4 * 84) BI MANGDECHHU (4 RECEIPT TALA (6 * 170) BIN 132KV-SALAKATI 132KV-RANGIA - D	334 50 10 10 10 10 10 10 10	12 42 46 0 0 10 0 WR-NR 989 0 2098 2611 160 0 97 WR-SR NGES Max (MW) 0 130 315	3.9 0.1 0.0 0.2 0.4 0.0 0.4 0.0 0.0 0.0 0.0 0.0	0.0 0.3 0.8 0.0 0.0 0.0 0.0 0.0 0.0 35.0 35.0 51.0 0.0 0.0 0.0 0.0 110.0 Avg (MW) 0 83 254	3.9 -0.2 -0.8 0.9 0.4 0.0 -111.9 -23.1 0.0 -36.0 -51.0 0.4 0.0 0.0 1.9 -107.7 Energy Exchange (MU) 0.0 2.0 -6.1 -7.0
14 15 16 17 18 Impor 1 2 3 4 5 6	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 14 kV 15 kV 15 kV 16 kV 16 kV 16 kV 220 kV 220 kV 220 kV 220 kV 220 kV	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA BHADRAWATI B/B BARSUR-L-SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAE KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI REGION ER ER ER ER ER ER	D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	334 50 10 88 88 57 0 0 0 0 0 273 0 0 273 0 0 RNATIONAL EXCHAINAME	12 42 46 66 0 10 0 WR-NR 989 0 2098 2611 160 0 97 WR-SR NGES Max (MW) 0 130 315 374	3.9 0.1 0.0 0.9 0.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.3 0.8 0.0 0.0 0.0 0.0 0.0 0.0 36.0 51.0 0.0 0.0 0.0 110.0 Avg (MW) 0 83 254 292	3.9 -0.2 -0.8 0.9 0.4 0.0 -111.9 -23.1 0.0 -36.0 -51.0 0.4 0.0 1.9 -107.7 Energy Exchange (MU) 0.0 2.0 6.1 7.0
14 15 16 17 18 Impor 1 2 3 4 5 6	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 140 kV 152 kV 152 kV 152 kV 153 kV 164 kV 165 kV 16	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPURA-WAI MADHOPUF With SR) BHADRAWATI B/B BARSUR-L-SILERU SOLAPUR-RAIGHUR WARDHA-NIZAMABAI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI RER ER ER ER ER ER ER ER NER	D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	334 50 10 10 88 57 0 0 0 0 0 273 0 0 0 0 273 0 0 0 0 0 0 0 0 0	12 42 66 0 0 10 0 WR-NR 989 0 2098 2611 160 0 97 WR-SR NGES Max (MW) 0 130 315 374 16 0	3.9 0.1 0.0 0.9 0.4 0.0 0.9 0.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.3 0.8 0.0 0.0 0.0 0.0 0.0 0.0 155.0 23.1 0.0 36.0 51.0 0.0 0.0 0.0 110.0 Avg (MW) 0 83 254 292 5 28	3.9 -0.2 -0.8 -0.8 -0.4 -0.4 -0.0 -111.9 -23.1 -0.0 -36.0 -51.0 -0.1 -107.7 Energy Exchange (MU) -0.0 -0.0 -1.0 -0.0 -1.0 -0.0 -0.0 -0.0
14 15 16 17 18 Impor 1 2 3 4 5 6	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 14 kV 15 kV 15 kV 16 kV 16 kV 16 kV 220 kV 220 kV 220 kV 220 kV 220 kV	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPURA-WAITAN GWALIOR-SAWAI MADHOPUB With SR) BHADRAWATI B/B BARSUR-L-SILERU SOLAPUR-RAIGHUR WARDHA-NIZAMABAE KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI COLHAPUR-KUDGI ROLHAPUR-MBEWADI REGION ER ER ER ER ER ER	D/C S/C D/C D/C D/C D/C D/C S/C S/C S/C INTEL Line DAGACHU (2 * 63) CHUKA (4 * 84) BI MANGDECHHU (4 RECEIPT TALA (6 * 170) BIN 132KV-SALAKATI 132KV-RANGIA - D 132KV-Tanakpur(NI Mahendranagar(PG 132KV-BIHAR - NE	334 50 10 10 88 57 0 0 0 0 0 0 0 0 0	12 42 66 0 10 0 WR-NR 989 0 2998 2611 160 0 WR-SR MAX (MW) 0 130 315	3.9 0.1 0.0 0.9 0.4 0.0 43.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 0.3 0.8 0.0 0.0 0.0 0.0 0.0 155.0 23.1 0.0 36.0 51.0 0.0 0.0 0.0 110.0 Avg (MW) 0 83 254 292 5 28	3.9 -0.2 -0.8 0.9 0.4 0.0 -111.9 -23.1 0.0 -36.0 -51.0 0.4 0.0 -17 -17 -107.7 -107.7 Energy Exchange (MU) 0.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0
14 15 16 17 18 Impor 1 2 3 4 5 6	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 140 kV 152 kV 152 kV 152 kV 153 kV 164 kV 165 kV 16	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPURA-WAI MADHOPUF With SR) BHADRAWATI B/B BARSUR-L-SILERU SOLAPUR-RAIGHUR WARDHA-NIZAMABAI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI RER ER ER ER ER ER ER ER NER	D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	334 50 10 10 88 57 0 0 0 0 0 273 0 0 0 0 0 0 0 0 0	12 42 66 0 0 10 0 WR-NR 989 0 2098 2611 160 0 97 WR-SR NGES Max (MW) 0 130 315 374 16 0	3.9 0.1 0.0 0.9 0.4 0.0 0.9 0.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.3 0.8 0.0 0.0 0.0 0.0 0.0 0.0 155.0 23.1 0.0 36.0 51.0 0.0 0.0 0.0 110.0 Avg (MW) 0 83 254 292 5 28	3.9 -0.2 -0.8 -0.8 -0.4 -0.4 -0.0 -111.9 -23.1 -0.0 -36.0 -51.0 -0.1 -107.7 Energy Exchange (MU) -0.0 -0.0 -1.0 -0.0 -1.0 -0.0 -0.0 -0.0
14 15 16 17 18 Impor 1 2 3 4 5 6	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 140 kV 152 kV 152 kV 152 kV 153 kV 164 kV 165 kV 16	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA SWALIOR-SAWAI MADHOPUB WIth SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAILUR WARDHA-NIZAMABAE KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI Region ER ER ER NER NER NER NER NER	D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	334 50 10 88 57 0 0 0 0 0 0 0 0 0	12 42 46 0 0 10 0 WR-NR 989 0 2098 2611 160 0 97 WR-SR NGES Max (MW) 0 130 315 374 16 0 0 -63	3.9 0.1 0.0 0.9 0.4 0.0 0.9 0.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.3 0.8 0.0 0.0 0.0 0.0 0.0 0.0 36.0 51.0 0.0 0.0 0.0 0.0 0.0 110.0 Avg (MW) 0 83 254 292 5 28 0 -6	3.9 -0.2 -0.8 0.9 0.4 0.0 -0.111.9 -23.1 -0.0 -36.0 -36.0 -31.0 0.0 0.0 0.0 -1.9 -107.7 Energy Exchange (MU) 0.0 -0.1 -0.1 -0.1
14 15 16 17 18 Impor 1 2 3 4 5 6	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 140 kV 152 kV 152 kV 152 kV 153 kV 164 kV 165 kV 16	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPURA-GRAHYA GWALIOR-SAWAI MADHOPUB With SR) BHADRAWATI B/B BARSUR-L-SILERU SOLAPUR-RAIGHUR WARDHA-NIZAMABAI KOLHAPUR-CHIKODI PONDA-AMBEWADI REGION ER ER ER ER ER NER NER NER	D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	334 50 10 10 10 10 10 10 10	12 42 66 0 0 10 0 WR-NR 989 0 2098 2611 160 0 0 WR-SR Max (MW) 0 130 315 374 16 0 0 0 -63	3.9 0.1 0.0 0.9 0.4 0.0 0.9 0.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.1 0.0 0.0	0.0 0.3 0.8 0.8 0.0 0.0 0.0 0.0 0.0 155.0 23.1 0.0 36.0 51.0 0.0 0.0 0.0 110.0 Avg (MW) 0 83 254 292 5 28 0 -6	3.9 -0.2 -0.8 0.9 0.4 0.0 0.1 -111.9 -23.1 0.0 -36.0 -51.0 0.4 0.0 0.0 -107.7 Energy Exchange (MU) 0.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0
14 15 16 17 18 1 1 1 2 2 3 4 5 6 7 8	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 140 kV 152 kV 152 kV 152 kV 153 kV 164 kV 165 kV 16	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA SWALIOR-SAWAI MADHOPUB WIth SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAILUR WARDHA-NIZAMABAE KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI Region ER ER ER NER NER NER NER NER	D/C S/C D/C D/C D/C D/C D/C S/C S/C	334 50 10 88 10 0 0 0 0 0 273 0 0 0 273 0 0 0 RNATIONAL EXCHA! Name RPARA RECEIPT x 180) ALIPURDUAR SAGURI RECEIPT - GELEPHU EOTHANG H) - PAL PPUR - DHALKEBAR Sangladesh) II NAGAR -	12 42 46 0 0 10 0 WR-NR 989 0 2098 2611 160 0 97 WR-SR NGES Max (MW) 0 130 315 374 16 0 0 -63	3.9 0.1 0.0 0.9 0.4 0.0 0.9 0.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.3 0.8 0.0 0.0 0.0 0.0 0.0 0.0 36.0 51.0 0.0 0.0 0.0 0.0 0.0 110.0 Avg (MW) 0 83 254 292 5 28 0 -6	3.9 -0.2 -0.8 0.9 0.4 0.0 -111.9 -23.1 -0.0 -36.0 -31.0 -36.0 -51.0 0.4 0.0 -1.9 -107.7 Energy Exchange (MU) 0.0 -2.0 -6.1 -7.0 -0.1 -0.1
14 15 16 17 18 1 1 1 2 2 3 4 5 6 7 8	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV TVEXPORT of WR (HVDC HVDC T65 kV 400 kV 220 kV 220 kV 220 kV	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA BHALOR-SAWAI MADHOPUB WIth SR) BHADRAWATI B/B BARSUR-L-SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAE KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-AUBODI PONDA-AMBEWADI Region ER	D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	334 50 10 88 57 0 0 0 0 0 0 0 0 0	12 42 42 66 0 10 0 WR-NR 989 0 2098 2611 160 0 WR-SR Max (MW) 0 130 315 374 16 0 0 -63 -90 -796	3.9 0.1 0.0 0.9 0.4 0.0 0.9 0.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.3 0.8 0.0 0.0 0.0 0.0 0.0 0.0 155.0 23.1 0.0 36.0 51.0 0.0 0.0 110.0 Avg (MW) 0 83 254 292 5 28 0 -6 -6 -435	3.9 -0.2 -0.8 0.9 0.4 0.0 0.4 0.0 -111.9 -23.1 0.0 -36.0 -31.0 0.1 0.0 0.0 0.0 1.9 -107.7 Energy Exchange (MU) 0.0 0.0 0.1 0.0 -0.1 -0.1 -0.1 -10.4 -1.9
14 15 16 17 18 11 2 3 4 4 5 6 7 8	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV TVEXPORT of WR (HVDC HVDC T65 kV 400 kV 220 kV 220 kV 220 kV	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA BHADRAWATI B/B BARSUR-L-SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAE KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI REGION ER ER ER ER ER ER ER ER ER E	D/C S/C D/C D/C D/C D/C D/C S/C S/C	334 50 10 88 57 0 0 0 0 0 0 273 0 0 0 0 273 0 0 0 0 RNATIONAL EXCHAY Name PAL SAGURI RECEIPT CELEPHU SEOTHANG H)- 1 PAL SPUR - DHALKEBAR Bangladesh) I NAGAR- ADESH)- I NAGAR-	12 42 46 66 0 10 0 WR-NR 989 0 2098 2611 160 0 97 WR-SR NGES Max (MW) 0 130 315 374 16 0 0 -63 -90	3.9 0.1 0.0 0.9 0.4 0.0 0.9 0.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.3 0.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 36.0 51.0 0.0 0.0 0.0 0.0 110.0 Avg (MW) 0 83 254 292 5 28 0 -6 -6 -6 -435	3.9 -0.2 -0.8 0.9 0.4 0.0 -111.9 -23.1 0.0 -36.0 -51.0 0.4 0.0 0.0 1.9 -107.7 Energy Exchange (MU) 0.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0