

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

दिनांक: 1st June 2022

Ref: POSOCO/NLDC/SO/Daily PSP Report

To,

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

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

Sub: Daily PSP Report for the date 31.05.2022.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 31-मई-2022 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रा॰भा॰प्रे॰के॰ की वेबसाइट पर उप्लब्ध है |

As per article 5.5.1 of the Indian Electricity Grid Code, the daily report pertaining power supply position of All India Power System for the date 31st May 2022, is available at the NLDC website.

धन्यवाद,

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



Report for previous day Date of Reporting: 01-Jun-2022

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)	61441	58654	43817	22861	3142	189915
Peak Shortage (MW)	735	0	0	836	0	1571
Energy Met (MU)	1440	1442	1081	553	59	4574
Hydro Gen (MU)	249	57	75	70	23	473
Wind Gen (MU)	38	165	163		-	366
Solar Gen (MU)*	109.34	50.71	103.05	4.98	0.42	269
Energy Shortage (MU)	12.08	0.00	1.11	8.87	0.00	22.06
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	66206	64122	50926	24045	3210	204456
Time Of Maximum Demand Met (From NLDC SCADA)	22:14	14:51	15:01	00:01	19:20	14:51
B. Frequency Profile (%)						-

		Max.Demand	Shortage during	Energy Met	Drawal	OD(+)/UD(-)	Max OD	Energ
Region	States	Met during the	maximum	(MU)	Schedule	(MU)	(MW)	Shorta
		dav(MW)	Demand(MW)	(MC)	(MU)	(MC)	(1111)	(MU
	Punjab	9290	0	197.0	101.5	-0.6	106	0.00
	Haryana	8707	0	186.5	118.6	0.3	189	0.00
	Rajasthan	15075	0	305.0	82.5	3.7	435	5.90
	Delhi	6115	0	120.0	109.8	-1.9	182	0.00
NR	UP	24458	0	490.1	233.9	2.0	576	4.97
	Uttarakhand	2263	0	50.4	33.0	0.9	105	0.38
	HP	1601	0	33.6	9.8	0.2	112	0.00
	J&K(UT) & Ladakh(UT)	2259	0	50.6	28.9	0.4	252	0.83
	Chandigarh	349	0	6.7	6.7	-0.1	54	0.00
	Chhattisgarh	4380	0	101.6	53.7	-0.5	197	0.00
	Gujarat	20062	0	432.0	198.2	-2.2	707	0.00
	MP	11288	0	258.7	139.7	-0.1	618	0.00
WR	Maharashtra	26420	0	585.3	186.7	-0.4	830	0.0
	Goa	672	0	14.7	14.2	0.0	40	0.0
	DD	367	0	7.9	7.5	0.4	35	0.00
	DNH	870	0	20.3	20.3	0.0	61	0.00
	AMNSIL	916	0	21.0	10.7	0.2	256	0.00
	Andhra Pradesh	10952	0	222.9	100.3	6.1	1077	1.11
	Telangana	9257	0	183.0	60.8	2.2	635	0.00
SR	Karnataka	11715	0	225.2	44.2	-1.8	630	0.00
	Kerala	3812	0	78.7	52.5	-0.2	248	0.00
	Tamil Nadu	16604	0	362.4	155.3	-2.5	896	0.00
	Puducherry	426	0	9.3	9.6	-0.4	33	0.00
	Bihar	6059	460	126.1	114.9	-1.3	340	4.60
	DVC	3567	0	77.5	-44.3	-0.7	267	0.00
	Jharkhand	1488	0	32.6	23.5	0.4	155	4.2
ER	Odisha	5922	0	124.7	50.9	1.9	580	0.00
	West Bengal	9207	0	190.1	62.3	0.7	416	0.00
	Sikkim	98	0	1.5	1.6	-0.1	23	0.00
	Arunachal Pradesh	139	0	2.8	2.6	0.1	24	0.00
	Assam	2087	0	38.4	32.1	0.0	156	0.00
	Manipur	190	0	2.6	2.6	0.1	26	0.00
NER	Meghalaya	319	0	5.7	2.0	0.1	44	0.00
	Mizoram	98	0	1.9	1.8	0.0	22	0.00
	Nagaland	142	0	2.6	2.3	0.0	18	0.00
	Trinura	294	0	5.1	3.0	0.1	36	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	10.1	-3.2	-25.3
Day Peak (MW)	622.0	-232.2	-1082.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	261.9	-189.4	10.9	-87.2	3.8	0.0
Actual(MU)	259.5	-181.4	-0.8	-88.1	3.2	-7.6
O/D/U/D(MU)	-2.4	8.0	-11.7	-0.9	-0.6	-7.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	3283	11816	4938	2610	672	23319	43
tate Sector	9115	12433	8621	1260	97	31525	57
Cotal	12398	24249	13559	3870	769	54844	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	722	1328	598	611	15	3273	69
Lignite	22	15	72	0	0	109	2
Hydro	249	57	75	70	23	473	10
Nuclear	24	33	55	0	0	112	2
Gas, Naptha & Diesel	22	4	9	0	24	59	1
RES (Wind, Solar, Biomass & Others)	165	217	311	5	0	698	15
Total	1204	1653	1119	686	61	4723	100
							ì
Share of RES in total generation (%)	13.71	13.10	27.77	0.72	0.68	14.77	
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation(%)	36.38	18.52	39.39	10.93	37.47	27.16	

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.020
Based on State Max Demands	1.064

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:	01-Jun-2022
Sl	Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
Impo	ort/Export of ER (()		1,22 ()
1	HVDC	ALIPURDUAR-AGRA	2	0	350	0.0	8.5	-8.5
2		PUSAULI B/B	-	0	49	0.0	1.3	-1.3
3		GAYA-VARANASI	2	210	351	0.0	0.9	-0.9
5		SASARAM-FATEHPUR GAYA-BALIA	1	0	409 690	0.0	6.4 12.3	-6.4 -12.3
6	400 kV	PUSAULI-VARANASI	- Î	39	19	0.0	0.4	-0.4
7		PUSAULI -ALLAHABAD	1	0	98	0.0	1.2	-1.2
9	400 kV 400 kV	MUZAFFARPUR-GORAKHPUR PATNA-BALIA	2	15 0	706	0.0	7.9 11.6	-7.9 -11.6
10		NAUBATPUR-BALIA	2	0	564 593	0.0	11.9	-11.0 -11.9
11	400 kV	BIHARSHARIFF-BALIA	2	58	482	0.0	4.2	-4.2
12		MOTIHARI-GORAKHPUR	2	0	457	0.0	7.3	-7.3
13 14	400 kV 220 kV	BIHARSHARIFF-VARANASI SAHUPURI-KARAMNASA	2	51 0	290 195	0.0	2.7 2.7	-2.7 -2.7
15		NAGAR UNTARI-RIHAND	i	0	0	0.0	0.0	0.0
16		GARWAH-RIHAND	1	20	0	0.4	0.0	0.4
17		KARMANASA-SAHUPURI	1	0	26	0.0	0.0	0.0
18	132 kV	KARMANASA-CHANDAULI	1	0	16 ER-NR	0.0 0.4	0.0 79.1	0.0 -78.7
Impo	ort/Export of ER (With WR)			ER-NR	0.4	77.1	-/0./
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	629	0	26.9	0.0	26.9
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1202	0	17.6	0.0	17.6
3	765 kV	JHARSUGUDA-DURG	2	0	314	5.6	0.0	5.6
4	400 kV	JHARSUGUDA-RAIGARH	4	0	312	0.0	3.3	-3.3
5	400 kV	RANCHI-SIPAT	2	269	0	4.6	0.0	4.6
6	220 kV	BUDHIPADAR-RAIGARH	1	41	72	0.0	0.6	-0.6
7	220 kV	BUDHIPADAR-KORBA	2	165	0	2.2	0.0	2.2
			· · · · · · · · · · · · · · · · · · ·		ER-WR	56.8	3.9	52.9
	ort/Export of ER (Δ.	502	0.0	9.5	0.5
2		JEYPORE-GAZUWAKA B/B TALCHER-KOLAR BIPOLE	2 2	0	503 1981	0.0	9.5 42.2	-9.5 -42.2
3	765 kV	ANGUL-SRIKAKULAM	2	0	2336	0.0	41.5	-42.2 -41.5
4	400 kV	TALCHER-I/C	2	511	152	3.0	0.0	3.0
5	220 kV	BALIMELA-UPPER-SILERRU	1	2	0 ED CD	0.0	0.0	0.0
Imm	ort/Export of ER (With NER)			ER-SR	0.0	93.1	-93.1
1mpo		BINAGURI-BONGAIGAON	2	0	352	0.0	6.5	-6.5
2	400 kV	ALIPURDUAR-BONGAIGAON	2	Ů	400	0.0	6.2	-6.2
3	220 kV	ALIPURDUAR-SALAKATI	2	0	106	0.0	1.7	-1.7
Imm	ort/Export of NER	(With NR)			ER-NER	0.0	14.4	-14.4
1mpo		BISWANATH CHARIALI-AGRA	2	0	504	0.0	12.2	-12.2
					NER-NR	0.0	12.2	-12.2
Impo	ort/Export of WR (,	,				
1	HVDC	CHAMPA-KURUKSHETRA VINDHYACHAL B/B	2	125	2506	0.0	33.9	-33.9
3	HVDC HVDC	MUNDRA-MOHINDERGARH	2	135	0 311	3.6 0.0	0.0 7.4	3.6 -7.4
4		GWALIOR-AGRA	2	0	2182	0.0	37.0	-37.0
5		GWALIOR-PHAGI	2	34	1484	0.0	20.7	-20.7
6		JABALPUR-ORAI	2	0	1014	0.0	31.8	-31.8
7 8	765 kV 765 kV	GWALIOR-ORAI SATNA-ORAI	1	628	0 1062	11.4 0.0	0.0 21.9	11.4 -21.9
9	765 kV	BANASKANTHA-CHITORGARH	2	762	405	3.1	0.0	3.1
10	765 kV	VINDHYACHAL-VARANASI	2	0	3504	0.0	67.7	-67.7
11		ZERDA-KANKROLI	1	269	28	2.9	0.0	2.9
12	400 kV	ZERDA -BHINMAL	1	548	74	6.1		6.1
14	400 kV				0	21 9		21.9
15	400 kV 400 kV	VINDHYACHAL -RIHAND RAPP-SHUJALPUR	1 2	967 241	0 482	21.9 1.3	0.0 4.3	21.9 -3.0
	400 kV 220 kV	RAPP-SHUJALPUR BHANPURA-RANPUR	2	241 0	482 0	1.3 0.0	4.3 0.0	-3.0 0.0
16	400 kV 220 kV 220 kV	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK	2 1 1	241 0 0	482 0 30	1.3 0.0 0.0	4.3 0.0 0.0	-3.0 0.0 0.0
16 17	400 kV 220 kV 220 kV 220 kV	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA	2 1 1 1	241 0 0 91	482 0 30 0	1.3 0.0 0.0 0.0 0.4	4.3 0.0 0.0 0.0	-3.0 0.0 0.0 0.0
16	400 kV 220 kV 220 kV 220 kV 220 kV	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA	2 1 1	241 0 0	482 0 30	1.3 0.0 0.0 0.4 1.2	4.3 0.0 0.0	-3.0 0.0 0.0 0.4 1.2
16 17 18	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA	2 1 1 1	241 0 0 91 52	482 0 30 0 8 0	1.3 0.0 0.0 0.4 1.2 0.0 0.0	4.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0	-3.0 0.0 0.0 0.4 1.2 0.0 0.0
16 17 18 19 20	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR	2 1 1 1	241 0 0 91 52 0	482 0 30 0 8	1.3 0.0 0.0 0.4 1.2	4.3 0.0 0.0 0.0 0.0 0.0	-3.0 0.0 0.0 0.4 1.2 0.0
16 17 18 19 20 Impo	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALLOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR)	2 1 1 1	241 0 0 91 52 0	482 0 30 0 8 0 WR-NR	1.3 0.0 0.0 0.4 1.2 0.0 0.0 52.0	4.3 0.0 0.0 0.0 0.0 0.0 0.0 224.5	-3.0 0.0 0.0 0.4 1.2 0.0 0.0 -172.6
16 17 18 19 20	400 kV 220 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV ort/Export of WR (RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPUR-AURAHYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WITH SRIP BHADRAWATI B/B	2 1 1 1	241 0 0 21 52 0 0	482 0 30 0 8 0 8 0 WR-NR	1.3 0.0 0.0 0.4 1.2 0.0 0.0 52.0	4.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 224.5	-3.0 0.0 0.0 0.4 1.2 0.0 0.0 -172.6
16 17 18 19 20 Impo 1 2 3	400 kV 220 kV 220 kV 220 kV 220 kV 223 kV 132 kV 132 kV ort/Export of WR (HVDC 765 kV	RAPP-SHUJALPUR BHANPURA-RANFUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPURA-URAHYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAIGHUR	2 1 1 1 1 1 1 2	241 0 0 91 52 0 0 987 571 1599	482 0 30 0 8 0 WR-NR	1.3 0.0 0.0 0.4 1.2 0.0 0.0 52.0 24.0 13.9 11.4	4.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 224.5	3.0 0.0 0.0 0.4 1.2 0.0 0.0 -172.6 24.0 13.9 10.2
16 17 18 19 20 Impo 1 2 3	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 142 kV 152 kV 152 kV 155 kV 1765 kV	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAIMADHOPUR RAIGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD	2 1 1 1 1 1 1 1 2 2	241 0 0 91 52 0 0 0 987 571 1599 0	482 0 30 0 8 0 WR-NR 0 0 0 592 2105	1.3 0.0 0.0 0.4 1.2 0.0 0.0 52.0 24.0 13.9 11.4 0.0	4.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 224.5 0.0 0.0 0.0 323.5	-3.0 0.0 0.0 0.4 1.2 0.0 0.0 -172.6 24.0 13.9 10.2 -33.5
16 17 18 19 20 Impo 1 2 3 4	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 17/Export of WR (HVDC 1765 kV 765 kV 400 kV	RAPP-SHUJALPUR BHANPURA-RANFUR BHANPURA-MORAK MEHGAON-AURAHYA MALANPURA-URAHYA MALANPURA-URAHYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WITH SR BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI	2 1 1 1 1 1 1 2 2	241 0 0 91 52 0 0 0 987 571 1599 0 1487	482 0 30 0 8 0 WR-NR 0 0 0 592 2105 0	1.3 0.0 0.0 0.4 1.2 0.0 0.0 52.0 24.0 13.9 11.4 0.0 28.3	4.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 224.5 0.0 0.0 0.0 0.0 0.0 0.0	-3.0 0.0 0.0 0.4 1.2 0.0 0.172.6 24.0 13.9 10.2 -33.5 28.3
16 17 18 19 20 Impo 1 2 3	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV ort/Export of WR (HVDC HVDC 765 kV 400 kV 220 kV	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAIMADHOPUR RAIGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD	2 1 1 1 1 1 1 1 2 2	241 0 0 91 52 0 0 0 987 571 1599 0	482 0 30 0 8 0 WR-NR 0 0 0 592 2105	1.3 0.0 0.0 0.4 1.2 0.0 0.0 52.0 24.0 13.9 11.4 0.0	4.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 224.5 0.0 0.0 0.0 323.5	-3.0 0.0 0.0 0.4 1.2 0.0 0.0 -172.6 24.0 13.9 10.2 -33.5
16 17 18 19 20 Impo 1 2 3 4 5	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 152 kV 155 kV HVDC HVDC 765 kV 400 kV 220 kV	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAIMADHOPUR RAIGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI	2 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2	241 0 0 91 52 0 0 987 571 1599 0 1487 0	482 0 30 0 8 0 0 WR-NR 0 592 2105 0 0 0 123	1.3 0.0 0.0 0.4 1.2 0.0 52.0 24.0 13.9 11.4 0.0 28.3 0.0 0.0	4.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	-3.0 0.0 0.0 0.4 1.2 0.0 -172.6 24.0 13.9 10.2 -33.5 28.3 0.0 0.0
16 17 18 19 20 Impo 1 2 3 4 5 6	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 152 kV 155 kV HVDC HVDC 765 kV 400 kV 220 kV	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARB-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUGI KOLHAPUR-CHIKODI PONDA-AMBEWADI	2 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2	241 0 0 0 91 52 0 0 987 571 1599 0 1487 0	482 0 30 0 8 0 0 WR-NR 0 0 0 592 2105 0 0	1.3 0.0 0.0 0.4 1.2 0.0 52.0 24.0 13.9 11.4 0.0 0.0 0.0	4.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 224.5 0.0 0.0 1.1 33.5 0.0 0.0 0.0	-3.0 0.0 0.0 0.4 1.2 0.0 -172.6 24.0 13.9 10.2 -33.5 28.3 0.0 0.0
16 17 18 19 20 Impo 1 2 3 4 5 6	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 152 kV 155 kV HVDC HVDC 765 kV 400 kV 220 kV	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA With SR) BHADRAWATI B/B BHADRAWATI B/B RAIGARH-PUGALUR SOI-APUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	2 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2	241 0 0 91 52 0 0 987 571 1599 0 1487 0 0	482 0 30 0 8 0 0 WR-NR 0 592 2105 0 0 0 123	1.3 0.0 0.0 0.4 1.2 0.0 52.0 24.0 13.9 11.4 0.0 28.3 0.0 0.0	4.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 224.5 0.0 0.0 1.1 1.3 33.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	-3.0 0.0 0.0 0.4 1.2 0.0 0.172.6 24.0 13.9 10.2 -33.5 28.3 0.0 0.0 2.3 45.2 +ve)/Export(-ve)
16 17 18 19 20 Impo 1 2 3 4 5 6	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 152 kV 155 kV HVDC HVDC 765 kV 400 kV 220 kV	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA With SR) BHADRAWATI B/B BHADRAWATI B/B RAIGARH-PUGALUR SOI-APUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	2 1 1 1 1 1 1 2 2 2 2 2 2 2 2 1 1 1 TERNATIONAL EX	241 0 0 91 52 0 0 987 571 1599 0 1487 0 0	482 0 30 0 8 0 0 WR-NR 0 592 2105 0 0 0 123	1.3 0.0 0.0 0.4 1.2 0.0 52.0 24.0 13.9 11.4 0.0 28.3 0.0 0.0	4.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 224.5 0.0 0.0 1.1 1.3 33.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	-3.0 0.0 0.0 0.0 0.0 -172.6 -172.6 -172.6 -13.9 10.2 -28.3 0.0 0.0 0.0 -172.6
16 17 18 19 20 Impo 1 2 3 4 5 6	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV ort/Export of WR (HVDC 765 kV 400 kV 220 kV 220 kV 220 kV	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA WILOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WILD SRIP BHADRAWATI B/B BHADRAWATI B/B RAIGABH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	2 1 1 1 1 1 2 2 2 2 2 2 2 2 1 1 1 TERNATIONAL EX	241 0 0 0 91 52 0 0 987 571 1599 0 1487 0 0 0	482 0 30 0 8 8 0 0 WR-NR 0 0 502 2105 0 0 0 WR-SR	1.3 0.0 0.0 0.4 1.2 0.0 0.0 52.0 24.0 13.9 11.4 0.0 28.3 0.0 0.0 28.3 79.8	4.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 224.5 0.0 0.0 1.1 1.3 33.5 0.0 0.0 0.0 0.0 1.1 Imports	-3.0 0.0 0.0 0.4 1.2 0.0 0.0 -172.6 24.0 13.9 10.2 -33.5 28.3 0.0 0.0 2.3 45.2 +ve)/Export(-ve)
16 17 18 19 20 Impo 1 2 3 4 5 6	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV ort/Export of WR (HVDC 765 kV 400 kV 220 kV 220 kV 220 kV	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA WILOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WILD SRIP BHADRAWATI B/B BHADRAWATI B/B RAIGABH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	2 1 1 1 1 1 1 2 2 2 2 2 2 2 2 1 1 1 TERNATIONAL EX	241 0 0 91 52 0 0 987 571 1599 0 1487 0 0 0 CHANGES	482 0 30 0 8 8 0 0 WR-NR 0 0 502 2105 0 0 0 WR-SR	1.3 0.0 0.0 0.4 1.2 0.0 0.0 52.0 24.0 13.9 11.4 0.0 28.3 0.0 0.0 28.3 79.8	4.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 224.5 0.0 0.0 1.1 1.3 33.5 0.0 0.0 0.0 0.0 1.1 Imports	-3.0 0.0 0.0 0.0 0.0 -172.6 -172.6 -172.6 -13.9 10.2 -28.3 0.0 0.0 0.0 -172.6
16 17 18 19 20 Impo 1 2 3 4 5 6	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV ort/Export of WR (HVDC 765 kV 400 kV 220 kV 220 kV 220 kV	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA WITH ST.	2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	241 0 0 0 91 52 0 0 987 571 1599 0 1487 0 0 0 CCHANGES Name HU-ALIPURDUAR AR RECEIPT (from 4*189MW)	482 0 0 30 0 8 0 0 WR-NR 0 0 592 2105 0 0 0 WR-SR	1.3 0.0 0.0 0.0 0.4 1.2 0.0 0.0 52.0 24.0 13.9 11.4 0.0 28.3 0.0 0.0 0.0 2.3 79.8	4.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	-3.0 0.0 0.0 0.0 0.0 -172.6 -172.6 -172.6 -13.9 10.2 -28.3 0.0 0.0 0.0 -172.6 -
16 17 18 19 20 Impo 1 2 3 4 5 6	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV ort/Export of WR (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 MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B BHADRAWATI B/B RAIGABH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER	2 1 1 1 1 1 1 2 2 2 2 2 2 2 2 1 1 1 1 1	241	482 0 30 0 8 8 0 WR-NR 0 0 0 502 2105 0 0 0 WR-SR	1.3 0.0 0.0 0.0 0.4 1.2 0.0 0.0 52.0 24.0 24.0 13.9 11.4 0.0 28.3 0.0 0.0 2.3 79.8	4.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.1 1.1	-3.0 0.0 0.0 0.4 1.2 0.0 -172.6 24.0 13.9 10.2 -33.5 28.3 0.0 0.0 2.3 45.2 +ve)/Export(-ve) Energy Exchange (MU)
16 17 18 19 20 Impo 1 2 3 4 5 6	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV ort/Export of WR (HVDC 765 kV 400 kV 220 kV 220 kV 220 kV	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA WITH ST.	2 1 1 1 1 1 1 2 2 2 2 2 2 2 2 1 1 1 1 1	241 0 0 0 0 1 91 52 0 0 987 571 1599 0 1487 0 0 0 CHANGES Name AR RECEIPT (from 4*180MW) URI 1,2,4 (8 400kV RB) 1,6 BINAGURI A HEP (6*170MW)	482 0 0 30 0 8 0 0 WR-NR 0 0 592 2105 0 0 0 WR-SR	1.3 0.0 0.0 0.0 0.4 1.2 0.0 0.0 52.0 24.0 13.9 11.4 0.0 28.3 0.0 0.0 0.0 2.3 79.8	4.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	-3.0 0.0 0.0 0.0 0.0 -172.6 -172.6 -172.6 -13.9 10.2 -28.3 0.0 0.0 0.0 -172.6 -
16 17 18 19 20 Impo 1 2 3 4 5 6	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 20 rt/Export of WR (HVDC HVDC 765 kV 400 kV 220 kV 220 kV 220 kV	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAIMADHOPUR RAIGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN Region ER	2 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 1 1 1 TERNATIONAL EX 1 Line 400kV MANGDECHI 1,2k3 ie. ALIPURU 1,2k3 ie. ALIPURU MANGDECHI MANG	241 0 0 0 91 52 52 0 0 987 571 1599 0 1487 0 0 0 CCHANGES Name HU-ALIPURDUAR AR RECEIPT (from 48180MW) URI 12,4 (& 400KW) URI 12,4 (& 400KW) HIDLE (& HORNOW) HIDLE (HORNOW) HIDL	482 0 0 30 0 8 0 0 WR-NR 0 0 592 2105 0 0 0 WR-NR	1.3 0.0 0.0 0.0 0.4 1.2 0.0 0.0 52.0 24.0 13.9 11.4 0.0 0.0 0.0 2.3 79.8	4.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	-3.0 0.0 0.0 0.0 0.0 -1.2 0.0 -172.6 -172.6 -13.9 10.2 -23.3 -33.5 -28.3 0.0 0.0 0.0 -172.6
16 17 18 19 20 Impo 1 2 3 4 5 6	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV ort/Export of WR (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 MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B BHADRAWATI B/B RAIGABH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER	2 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 1 1 1 1	241 0 0 0 91 91 52 0 0 987 571 1599 0 1487 0 0 1487 0 0 CHANGES Name HU-ALIPURDUAR AR RECEIPT (from 4*180MW) URI 1,2,4 (8 400KV)(R) i.e. BINAGURI AHEP (6*170MW) PARA I AE2 (& 220KV	482 0 30 0 8 8 0 WR-NR 0 0 0 502 2105 0 0 0 WR-SR	1.3 0.0 0.0 0.0 0.4 1.2 0.0 0.0 52.0 24.0 24.0 13.9 11.4 0.0 28.3 0.0 0.0 2.3 79.8	4.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.1 1.1	-3.0 0.0 0.0 0.4 1.2 0.0 -172.6 24.0 13.9 10.2 -33.5 28.3 0.0 0.0 2.3 45.2 +ve)/Export(-ve) Energy Exchange (MU)
16 17 18 19 20 Impo 1 2 3 4 5 6	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 20 rt/Export of WR (HVDC HVDC 765 kV 400 kV 220 kV 220 kV 220 kV	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAIMADHOPUR RAIGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN Region ER	2 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 1 1 1 1	241	482 0 0 30 0 8 0 0 WR-NR 0 0 592 2105 0 0 0 WR-NR	1.3 0.0 0.0 0.0 0.4 1.2 0.0 0.0 52.0 24.0 13.9 11.4 0.0 0.0 0.0 2.3 79.8	4.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.1 1.1	-3.0 0.0 0.0 0.0 0.0 -1.2 0.0 -172.6 -172.6 -13.9 10.2 -23.3 -33.5 -28.3 0.0 0.0 0.0 -172.6
16 17 18 19 20 Impo 1 2 3 4 5 6	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 20 rt/Export of WR (HVDC HVDC 765 kV 400 kV 220 kV 220 kV 220 kV	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAIMADHOPUR RAIGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN Region ER	2 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 1 1 1 1	241	482 0 0 30 0 8 0 0 WR-NR 0 0 592 2105 0 0 0 WR-NR	1.3 0.0 0.0 0.0 0.4 1.2 0.0 0.0 52.0 24.0 13.9 11.4 0.0 0.0 0.0 2.3 79.8	4.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	-3.0 0.0 0.0 0.0 0.0 -1.2 0.0 -172.6 -172.6 -13.9 10.2 -23.3 -33.5 -28.3 0.0 0.0 0.0 -172.6
16 17 18 19 20 Impo 1 2 3 4 5 6	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 20 rt/Export of WR (HVDC 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 MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B BHADRAWATI B/B RAIGABH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER	2 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 1 1 1 1	241	482 0 30 0 8 8 0 WR-NR 0 0 502 2105 0 0 123 WR-SR Max (MW) 208	1.3 0.0 0.0 0.0 0.4 1.2 0.0 0.0 52.0 24.0 23.3 0.0 0.0 28.3 0.0 2.3 79.8 Min (MW)	4.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.1 1.1	-3.0 0.0 0.0 0.0 0.4 1.2 0.0 1.2 0.0 -172.6 24.0 13.9 10.2 23.3.5 28.3 0.0 2.3 45.2 +ve)/Export(-ve) Energy Exchange (MU) 4.3
16 17 18 19 20 Impo 1 2 3 4 5 6	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 20 rt/Export of WR (HVDC 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 MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B BHADRAWATI B/B RAIGABH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER	2 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 1 1 1 1	241 0 0 0 91 52 52 0 0 987 571 1599 0 1487 0 0 1487 0 0 0 CCHANGES Name HU-ALIPURDUAR AR RECEIPT (from 4*180MW) URI 12,4 (& 400KW) URI 12,4 (& 400KW) LAKATI	482 0 30 0 8 8 0 WR-NR 0 0 502 2105 0 0 123 WR-SR Max (MW) 208	1.3 0.0 0.0 0.0 0.4 1.2 0.0 0.0 52.0 24.0 23.3 0.0 0.0 28.3 0.0 2.3 79.8 Min (MW)	4.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.1 1.1	-3.0 0.0 0.0 0.0 0.4 1.2 0.0 1.2 0.0 -172.6 24.0 13.9 10.2 23.3.5 28.3 0.0 2.3 45.2 +ve)/Export(-ve) Energy Exchange (MU) 4.3
16 17 18 19 20 Impo 1 2 3 4 5 6	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 20 rt/Export of WR (HVDC HVDC 765 kV 400 kV 220 kV 220 kV 220 kV	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAIMADHOPUR RAIGHAT-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	2 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 1 1 1 TERNATIONAL EX 1 Line 400kV MANGDECHI 1,2k3 ie. ALIPURDU 1,2k3 ie. ALIPURDU MANGDECHI 1,2k3 ie. ALIPURDU 1,2k3 v. ALIPURDU 1	241 0 0 0 91 52 52 0 0 987 571 1599 0 1487 0 0 1487 0 0 0 CCHANGES Name HU-ALIPURDUAR AR RECEIPT (from 4*180MW) URI 12,4 (& 400KW) URI 12,4 (& 400KW) LAKATI	482 0 0 0 0 0 0 0 0 WR-NR 0 0 592 2105 0 0 0 123 WR-SR Max (MW) 208 284	1.3 0.0 0.0 0.0 0.4 1.2 0.0 0.0 52.0 24.0 13.9 11.4 0.0 0.0 0.0 2.3 79.8 Min (MW) 0 205	4.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	-3.0 0.0 0.0 0.0 0.0 0.4 1.2 0.0 0.0 -172.6 24.0 13.9 10.2 28.3 0.0 0.0 2.3 45.2 +ve)/Export(-ve) Energy Exchange (MU) 4.3 5.0 -0.2
16 17 18 19 20 Impo 1 2 3 4 5 6	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 20 rt/Export of WR (HVDC HVDC 765 kV 400 kV 220 kV 220 kV 220 kV	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA WITH SHORE SAWAI MADHOPUR RAJGHAT-LALITPUR WITH SRI BHADRAWATI B/B BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-AUBEWADI XELDEM-AMBEWADI XELDEM-AMBEWADI XELDEM-AMBEWADI ER ER ER NER	2 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 1 1 1 TERNATIONAL EX Line 400KV MANGDECHI 1,2x3 i.e. ALIPURNOU MANGDECHI 1,2x3 i.e. ALIPURNOU MANGDECHI HEP 400KV TALA-BINAG RECEIPT (If rom TAL 1,2x4 VALA-BINAG RECEIPT (If rom TAL 1,2x4 VALA-BINAG 1,32kV MOTANGA-R 1,32kV MOTANGA-R	241	482 0 30 0 8 8 0 0 WR-NR 0 0 502 2105 0 0 123 WR-SR Max (MW) 208 284 105	1.3 0.0 0.0 0.0 0.4 1.2 0.0 0.0 52.0 24.0 13.9 11.4 0.0 28.3 0.0 0.0 2.3 79.8 Min (MW) 0 205	4.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	-3.0 0.0 0.0 0.0 0.4 1.2 0.0 0.0 -172.6 24.0 13.9 10.2 -3.3.5 28.3 0.0 2.3 45.2 +ve)/Export(-ve) Energy Exchange (MU) 4.3 5.0 -0.2
16 17 18 19 20 Impo 1 2 3 4 5 6	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 20 rt/Export of WR (HVDC HVDC 765 kV 400 kV 220 kV 220 kV 220 kV	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAIMADHOPUR RAIGHAT-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	2 1 1 1 1 1 1 2 2 2 2 2 2 2 2 1 1 1 1 IERNATIONAL EX Line 400KV MANGDECHH 1,2&3 i.e. AliPugnu MANGDECHH HEP 400KV TALA-BINAG MALBASE - BINAGG	241	482 0 0 0 0 0 0 0 0 WR-NR 0 0 592 2105 0 0 0 123 WR-SR Max (MW) 208 284	1.3 0.0 0.0 0.0 0.4 1.2 0.0 0.0 52.0 24.0 13.9 11.4 0.0 0.0 0.0 2.3 79.8 Min (MW) 0 205	4.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	-3.0 0.0 0.0 0.0 0.0 0.0 0.4 1.2 0.0 0.0 -172.6 24.0 13.9 10.2 28.3 0.0 0.0 0.0 2.3 45.2 +ve)/Export(-ve) Energy Exchange (MU) 4.3 5.0 -0.2
16 17 18 19 20 Impo 1 2 3 4 5 6	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 152 kV 152 kV 152 kV 152 kV 152 kV 152 kV 155 kV	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAIMADHOPUR RAIGHAT-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 NER NER	2 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 1 1 1 TERNATIONAL EX TERNATIONAL EX Line 400kV MANGDECHI 1,2k3 i.e. ALIPURDU 1,2k4 i.e. ALIPURDU 1,2k5 i.	241 0 0 0 91 52 52 0 0 987 571 1599 0 1487 0 0 1487 0 0 0 CCHANGES Name HU-ALIPURDUAR AR RECEIPT (from 4*180MW) URI 12,4 (& 400KW) URI 12,4 (& 400KW) LAKATI AHEP (*9170MW) PJRAR 182 (& 220KW LA) LE BIRPARA KHA HEP 4*84MW) LAKATI ANGIA	482 0 0 0 0 0 0 0 0 WR-NR 0 0 592 2105 0 0 0 123 WR-SR Max (MW) 208 284 105 -12 -56	1.3 0.0 0.0 0.0 0.4 1.2 0.0 0.0 52.0 24.0 13.9 11.4 0.0 0.0 0.0 2.3 79.8 Min (MW) 0 205	4.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	-3.0 0.0 0.0 0.0 0.0 0.0 0.4 1.2 0.0 0.0 -172.6 24.0 13.9 10.2 23.3 0.0 0.0 2.3 45.2 +ve)/Export(-ve) Energy Exchange (MU) 4.3 5.0 -0.2 -1.0
16 17 18 19 20 Impo 1 2 3 4 5 6	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 20 rt/Export of WR (HVDC HVDC 765 kV 400 kV 220 kV 220 kV 220 kV	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA WITH SHORE SAWAI MADHOPUR RAJGHAT-LALITPUR WITH SRI BHADRAWATI B/B BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-AUBEWADI XELDEM-AMBEWADI XELDEM-AMBEWADI XELDEM-AMBEWADI ER ER ER NER	2 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 1 1 1 TERNATIONAL EX Line 400KV MANGDECHI 1,2x3 i.e. ALIPURNOU MANGDECHI 1,2x3 i.e. ALIPURNOU MANGDECHI HEP 400KV TALA-BINAG RECEIPT (If rom TAL 1,2x4 VALA-BINAG RECEIPT (If rom TAL 1,2x4 VALA-BINAG 1,32kV MOTANGA-R 1,32kV MOTANGA-R	241 0 0 0 91 52 52 0 0 987 571 1599 0 1487 0 0 1487 0 0 0 CCHANGES Name HU-ALIPURDUAR AR RECEIPT (from 4*180MW) URI 12,4 (& 400KW) URI 12,4 (& 400KW) LAKATI AHEP (*9170MW) PJRAR 182 (& 220KW LA) LE BIRPARA KHA HEP 4*84MW) LAKATI ANGIA	482 0 30 0 8 8 0 0 WR-NR 0 0 502 2105 0 0 123 WR-SR Max (MW) 208 284 105	1.3 0.0 0.0 0.0 0.4 1.2 0.0 0.0 52.0 24.0 13.9 11.4 0.0 28.3 0.0 0.0 2.3 79.8 Min (MW) 0 205	4.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	-3.0 0.0 0.0 0.0 0.4 1.2 0.0 0.0 -172.6 24.0 13.9 10.2 -33.5 28.3 0.0 2.3 45.2 +ve)/Export(-ve) Energy Exchange (MU) 4.3 5.0 -0.2
16 17 18 19 20 Impo 1 2 3 4 5 6	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 152 kV 152 kV 152 kV 152 kV 152 kV 152 kV 155 kV	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAIMADHOPUR RAIGHAT-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 NER NER	2 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 1 1 1 TERNATIONAL EX TERNATIONAL EX Line 400kV MANGDECHI 1,2k3 i.e. ALIPURDU 1,2k4 i.e. ALIPURDU 1,2k5 i.	241 0 0 0 91 52 52 0 0 987 571 1599 0 1487 0 0 1487 0 0 0 CCHANGES Name HU-ALIPURDUAR AR RECEIPT (from 4*180MW) URI 12,4 (& 400KW) URI 12,4 (& 400KW) LAKATI AHEP (*9170MW) PJRAR 182 (& 220KW LA) LE BIRPARA KHA HEP 4*84MW) LAKATI ANGIA	482 0 0 0 0 0 0 0 0 WR-NR 0 0 592 2105 0 0 0 123 WR-SR Max (MW) 208 284 105 -12 -56	1.3 0.0 0.0 0.0 0.4 1.2 0.0 0.0 52.0 24.0 13.9 11.4 0.0 0.0 0.0 2.3 79.8 Min (MW) 0 205	4.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	-3.0 0.0 0.0 0.0 0.0 0.0 0.4 1.2 0.0 0.0 -172.6 24.0 13.9 10.2 23.3 0.0 0.0 2.3 45.2 +ve)/Export(-ve) Energy Exchange (MU) 4.3 5.0 -0.2 -1.0
16 17 18 19 20 Impo 1 2 3 4 5 6	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 152 kV 152 kV 152 kV 152 kV 152 kV 152 kV 155 kV	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAIMADHOPUR RAIGHAT-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 NER NER	2 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 1 1 TERNATIONAL EX Line 400EV MANGECHI 1,2&3 i.e. ALIPURDU MANGECHI HEP 400EV TALBINAG MALBASE - BINAGG MAL	241 0 0 0 91 52 52 0 0 987 571 1599 0 1487 0 0 1487 0 0 0 CCHANGES Name HU-ALIPURDUAR AR RECEIPT (from 4*180MW) URI 12,4 (& 400KW) URI 12,4 (& 400KW) LAKATI AHEP (*9170MW) PJRAR 182 (& 220KW LA) LE BIRPARA KHA HEP 4*84MW) LAKATI ANGIA	482 0 0 0 0 0 0 0 0 WR-NR 0 0 592 2105 0 0 0 123 WR-SR Max (MW) 208 284 105 -12 -56	1.3 0.0 0.0 0.0 0.4 1.2 0.0 0.0 52.0 24.0 13.9 11.4 0.0 0.0 0.0 2.3 79.8 Min (MW) 0 205	4.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	-3.0 0.0 0.0 0.0 0.0 0.0 0.4 1.2 0.0 0.0 -172.6 24.0 13.9 10.2 23.3 0.0 0.0 2.3 45.2 +ve)/Export(-ve) Energy Exchange (MU) 4.3 5.0 -0.2 -1.0
16 17 18 19 20 Impo 1 2 3 4 5 6	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 152 kV 152 kV 152 kV 152 kV 152 kV 152 kV 155 kV	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-BURAIYA MALANPUR-BURAIYA BHADRAWATI B/B BHADRAWATI B/B BHADRAWATI B/B BHADRAWATI B/B KOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-GHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI XELDEM-AMBEWADI XELDEM-AMBEWADI NR ER ER ER ER NER NER NER	2 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 1 1 TERNATIONAL EX Line 400EV MANGECHI 1,2&3 i.e. ALIPURDU MANGECHI HEP 400EV TALBINAG MALBASE - BINAGG MAL	241	482 0 30 0 8 8 0 0 WR-NR 0 0 UR-NR 0 10 502 2105 0 0 123 WR-SR Max (MW) 208 284 105 -12 -56	1.3 0.0 0.0 0.0 0.0 0.4 1.2 0.0 0.0 52.0 24.0 13.9 11.4 0.0 28.3 28.3 28.3 9.0 0.0 0.0 2.3 79.8 Min (MW) 0 205	4.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	-3.0 0.0 0.0 0.0 0.0 0.4 1.2 0.0 0.0 -172.6 24.0 13.9 10.2 -3.3.5 28.3 0.0 0.0 2.3 4.5.2 +ve)/Export(-ve) Energy Exchange (MU) 4.3 5.0 -0.2 -1.5
16 17 18 19 20 Impo 1 2 3 4 5 6	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 152 kV 152 kV 152 kV 152 kV 152 kV 152 kV 155 kV	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-BURAIYA MALANPUR-BURAIYA BHADRAWATI B/B BHADRAWATI B/B BHADRAWATI B/B BHADRAWATI B/B KOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-GHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI XELDEM-AMBEWADI XELDEM-AMBEWADI NR ER ER ER ER NER NER NER	2 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 1 1 1 1 1 1 1 2 2 2 2 2 2 2 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 1 1 1 1 1 1 2	241	482 0 30 0 8 8 0 0 WR-NR 0 0 UR-NR 0 10 502 2105 0 0 123 WR-SR Max (MW) 208 284 105 -12 -56	1.3 0.0 0.0 0.0 0.0 0.4 1.2 0.0 0.0 52.0 24.0 13.9 11.4 0.0 28.3 28.3 28.3 9.0 0.0 0.0 2.3 79.8 Min (MW) 0 205	4.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	-3.0 0.0 0.0 0.0 0.0 0.4 1.2 0.0 0.0 -172.6 24.0 13.9 10.2 -3.3.5 28.3 0.0 0.0 2.3 4.5 28.3 0.0 2.0 2.1 1.0 2.0 2.1 1.0 2.0 -1.1 5.0 -0.2
16 17 18 19 20 Impo 1 2 3 4 5 6	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 152 kV 152 kV 152 kV 152 kV 152 kV 152 kV 155 kV	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAIMADHOPUR RAIGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN Region ER ER ER NER NER NER NER NER	2 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 1 1 1 1 1 1 1 2 2 2 2 2 2 2 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 1 1 1 1 1 1 2	241	482 0 0 0 0 0 0 0 0 WR-NR 0 0 0 0 123 WR-SR Max (MW) 208 284 105 -12 -56 -71 -19	1.3 0.0 0.0 0.0 0.4 1.2 0.0 0.0 52.0 24.0 13.9 11.4 0.0 0.0 0.0 2.3 79.8 Min (MW) 0 205	4.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	-3.0 0.0 0.0 0.0 0.0 0.0 0.4 1.2 0.0 0.0 -172.6 24.0 13.9 10.2 23.3 0.0 0.0 2.3 45.2 +ve)/Export(-ve) Energy Exchange (MU) 4.3 5.0 -0.2 -1.0 -1.5
16 17 18 19 20 Impo 1 2 3 4 5 6 7 8	400 kV 220 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV ort/Export of WR of HVDC 765 kV 400 kV 220 kV 220 kV 8 kV 400 kV 120 kV 120 kV 120 kV 120 kV 120 kV 120 kV	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA MALANPUR-BURAIT With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI XELDEM-AMBEWADI ER ER ER NER NER NER NER NER	2 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 1 1 1 1 1 1 1 2 2 2 2 2 2 2 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 1 1 1 1 1 1 2	241	482 0 0 30 0 8 8 0 0 WR-NR 0 0 592 2105 0 0 123 WR-SR Max (MW) 208 284 105 -12 -56 -71 -19 -142	1.3 0.0 0.0 0.0 0.0 0.4 1.2 0.0 0.0 52.0 24.0 24.0 13.9 11.4 0.0 28.3 0.0 0.0 2.3 79.8 Min (MW) 0 205 0 -3 -3 -8 0 0 -8	4.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	-3.0 0.0 0.0 0.0 0.0 0.4 1.2 0.0 0.0 1.2 0.0 1.2 0.0 1.2 1.2 0.0 0.0 1.2 1.2 0.0 0.0 1.2 1.2 0.0 0.0 1.2 1.2 0.0 0.0 1.2 1.2 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3
16 17 18 19 20 Impo 1 2 3 4 5 6 7 8	400 kV 220 kV 220 kV 220 kV 220 kV 132 kV 132 kV 132 kV 152 kV 152 kV 152 kV 152 kV 152 kV 152 kV 155 kV	RAPP-SHUJALPUR BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAIMADHOPUR RAIGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN Region ER ER ER NER NER NER NER NER	2 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 1 1 1 1 1 1 1 2 2 2 2 2 2 1 1 1 1 1 1 2 2 2 2 2 1 1 1 1 1 1 2 2 2 2 2 1 1 1 1 1 1 2 2 8 1 1 1 1	241	482 0 0 0 0 0 0 0 0 WR-NR 0 0 0 0 123 WR-SR Max (MW) 208 284 105 -12 -56 -71 -19	1.3 0.0 0.0 0.0 0.4 1.2 0.0 0.0 52.0 24.0 13.9 11.4 0.0 0.0 0.0 2.3 79.8 Min (MW) 0 205	4.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	-3.0 0.0 0.0 0.0 0.0 0.0 0.4 1.2 0.0 0.0 -172.6 24.0 13.9 10.2 23.3 0.0 0.0 2.3 45.2 +ve)/Export(-ve) Energy Exchange (MU) 4.3 5.0 -0.2 -1.0 -1.5