

## National Load Despatch Centre राष्ट्रीय भार प्रेषण केंद्र POWER SYSTEM OPERATION CORPORATION LIMITED पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड

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

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दिनांक: 10<sup>th</sup> July 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 09.07.2022.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-२०१० की धारा स.-५.५.१ के प्रावधान के अनुसार, दिनांक ०९-जुलाई-२०२२ की अखिल भारतीय प्रणाली की

दैनिक ग्रिड निष्पादन रिपोर्ट रा०भा०प्रे०के० 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 09<sup>th</sup> July 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: 10-Jul-2022

Date of Reporting: 10-Jul-2022

	NR	WR	SR	ER	NER	TOTAL
Demand Met during Evening Peak hrs(MW) (at 20:00 hrs; from RLDCs)	62581	48729	38979	24433	3093	177815
Peak Shortage (MW)	300	0	0	1310	50	1660
Energy Met (MU)	1575	1121	869	547	62	4173
Hydro Gen (MU)	346	22	87	110	29	594
Wind Gen (MU)	13	166	277		-	456
Solar Gen (MU)*	101.26	32.33	56.57	4.64	0.82	196
Energy Shortage (MU)	5.32	0.00	0.00	12.27	0.69	18.28
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	74085	48811	40518	25602	3136	180654
Time Of Maximum Demand Met (From NLDC SCADA)	00:06	19:52	09:28	22:34	19:22	11:42

B. Frequency Profile (%)

Region FVI < 49.7 49.7 49.8 49.8 49.9 < 49.9 49.9 - 50.05 > 50.05

All India 0.037 0.00 0.03 4.78 4.81 70.34 24.85

		Max.Demand	Shortage during	Energy Met	Drawal	OD(+)/UD(-)	Max OD	Energy
Region	States	Met during the	maximum	(MU)	Schedule	(MU)	(MW)	Shortag
		dav(MW)	Demand(MW)	(MC)	(MU)	(NIC)	(14144)	(MU)
	Punjab	13905	0	286.2	186.1	-4.5	220	0.00
	Haryana	11761	0	240.2	160.8	1.0	275	0.00
	Rajasthan	12201	0	262.1	90.2	-1.0	485	0.00
	Delhi	7181	0	137.1	123.7	-1.5	216	0.00
NR	UP	25512	0	511.6	257.4	0.9	557	3.11
	Uttarakhand	2070	0	45.1	28.1	-0.2	134	2.21
	HP	1623	0	33.0	-4.0	0.0	222	0.00
	J&K(UT) & Ladakh(UT)	2214	0	53.2	30.5	-2.7	323	0.00
	Chandigarh	308	0	6.2	6.5	-0.3	25	0.00
	Chhattisgarh	4055	0	96.1	42.2	0.9	280	0.00
	Gujarat	14915	0	327.0	149.2	-3.2	921	0.00
	MP	9726	0	209.4	94.3	0.0	284	0.00
WR	Maharashtra	19744	0	432.9	139.1	0.0	629	0.00
	Goa	594	0	12.0	11.9	0.1	61	0.00
	DNHDDPDCL	1177	0	27.1	27.0	0.1	68	0.00
	AMNSIL	810	0	16.3	10.1	0.1	248	0.00
	Andhra Pradesh	7678	0	162.8	4.6	-2.7	518	0.00
	Telangana	6853	0	135.5	65.1	0.8	656	0.00
SR	Karnataka	8221	0	155.2	35.6	-1.8	670	0.00
	Kerala	3157	0	64.9	42.1	-0.5	164	0.00
	Tamil Nadu	15657	0	340.5	114.2	-3.9	517	0.00
	Puducherry	413	0	9.8	9.5	-0.5	26	0.00
	Bihar	6205	1100	130.9	122.5	0.0	402	11.39
	DVC	3644	0	78.6	-40.7	1.1	400	0.00
	Jharkhand	1712	0	34.0	26.6	-0.5	230	0.88
ER	Odisha	5299	0	109.9	46.9	-2.1	499	0.00
	West Bengal	9497	0	191.8	76.6	-1.0	219	0.00
	Sikkim	88	0	1.5	1.5	-0.1	18	0.00
	Arunachal Pradesh	142	0	2.5	2.3	-0.2	21	0.00
	Assam	2080	0	41.7	34.1	-0.3	130	0.00
	Manipur	185	0	2.7	2.7	0.0	34	0.00
NER	Meghalava	283	15	5.6	0.2	0.1	122	0.69
	Mizoram	90	0	1.6	1.4	-0.3	6	0.00
	Nagaland	155	0	2.7	2.3	-0.2	13	0.00
	Tripura	297	0	5,6	6.1	0.0	58	0.00

D. Transnational Exchanges (MU) - Import(+ve)/Export(-ve)			
	Bhutan	Nepal	Bangladesh
Actual (MU)	30.5	7.6	-15.2
Day Peak (MW)	1544.0	318.3	-650.0

E. Import/Export by Regions (in MU) - Import(+ve)/Export(-ve); OD	(+)/UD(-)					
	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	359.2	-221.7	-34.5	-100.4	-2.6	0.0
Actual(MU)	365.9	-207.2	-68.3	-91.1	-4.2	-4.8
O/D/II/D(MII)	67	14.6	22.0	0.4	1.5	10

F. Generation Outage(MW)							
	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	4981	12936	8408	3215	459	29998	42
State Sector	8630	18004	13285	2080	191	42189	58
Total	12611	20020	21/02	5205	650	72107	100

	NR	WR	SR	ER	NER	All India	% Share
Coal	718	1095	383	551	14	2761	64
Lignite	27	7	57	0	0	91	2
Hydro	349	22	87	110	29	597	14
Nuclear	29	33	68	0	0	130	3
Gas, Naptha & Diesel	21	2	9	0	29	61	1
RES (Wind, Solar, Biomass & Others)	133	198	362	5	1	699	16
Total	1277	1359	964	665	74	4339	100
CI APPOLLATION OF COLUMN							ii
Share of RES in total generation (%)	10.42	14.61	37.54	0.70	1.11	16.11	
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation(%)	40.03	18.68	53.54	17.22	40.72	32.86	

H. All India	Demand	Diversity	Factor

Based on Regional Max Demands	1.064
Based on State Max Demands	1.104

Dased on State Max Demands
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)

Sl							Date of Reporting:	10-Jul-2022
	Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
Impo	ort/Export of ER (V					<b></b> ()		1.22 ()
1		ALIPURDUAR-AGRA	2	0	1400	0.0	33.8	-33.8
2		PUSAULI B/B	-	0	49	0.0	0.7	-0.7
3		GAYA-VARANASI	2	832	189	6.7	0.0	6.7
5		SASARAM-FATEHPUR GAYA-BALIA	1	208 0	253 783	0.0	1.2 12.5	-1.2 -12.5
6	400 kV	PUSAULI-VARANASI	Ī.	16	67	0.0	0.4	-0.4
7		PUSAULI -ALLAHABAD	1	12	77	0.0	0.3	-0.3
9		MUZAFFARPUR-GORAKHPUR PATNA-BALIA	2	0	759	0.0	10.8 9.2	-10.8 -9.2
10		NAUBATPUR-BALIA	2	0	618 640	0.0	9.4	-9.2 -9.4
11	400 kV	BIHARSHARIFF-BALIA	2	Õ	482	0.0	5.2	-5.2
12		MOTIHARI-GORAKHPUR	2	22	441	0.0	5.6	-5.6
13 14		BIHARSHARIFF-VARANASI SAHUPURI-KARAMNASA	1	238	178 157	0.0	0.6 2.1	-0.6 -2.1
15		NAGAR UNTARI-RIHAND	i	0	0	0.1	0.0	0.1
16	132 kV	GARWAH-RIHAND	1	25	0	0.4	0.0	0.4
17		KARMANASA-SAHUPURI	1	0	0	0.0	0.0	0.0
18	132 kV	KARMANASA-CHANDAULI	1	0	0 ER-NR	7.2	0.0 91.7	0.0 -84.5
Impo	ort/Export of ER (V	With WR)			221.111	1.2	, ,,,,	-04-2
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	629	0	2.2	0.0	2.2
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1767	0	28.7	0.0	28.7
3	765 kV	JHARSUGUDA-DURG	2	0	314	0.0	2.5	-2.5
4	400 kV	JHARSUGUDA-RAIGARH	4	0	312	0.0	4.0	-4.0
5	400 kV	RANCHI-SIPAT	2	355	0	4.9	0.0	4.9
6	220 kV	BUDHIPADAR-RAIGARH	1	1	123	0.0	1.6	-1.6
7	220 kV	BUDHIPADAR-KORBA	2	114	14	1.1	0.0	1.1
F	100	Trat CD)			ER-WR	36.8	8.1	28.7
Impo 1	ort/Export of ER (V	Vith SR) JEYPORE-GAZUWAKA B/B	2	597	0	14.4	0.0	14.4
2		TALCHER-KOLAR BIPOLE	2	0	1642	14.4 0.0	34.2	-34.2
3	765 kV	ANGUL-SRIKAKULAM	2	Ö	2673	0.0	38.7	-38.7
4	400 kV	TALCHER-I/C	2	708	0	8.2	0.0	8.2
5	220 kV	BALIMELA-UPPER-SILERRU	1	2	0 FR-SR	0.0	72.0	0.0
Imno	ort/Export of ER (V	With NER)			ER-SR	14.4	72.9	-58.5
1		BINAGURI-BONGAIGAON	2	0	588	0.0	10.5	-10.5
2	400 kV	ALIPURDUAR-BONGAIGAON	2	Õ	460	0.0	6.5	-6.5
3	220 kV	ALIPURDUAR-SALAKATI	2	0	112 ER-NER	0.0	2.1 19.0	-2.1
Imno	ort/Export of NER	(With NR)			ER-NER	0.0	19.0	-19.0
1		BISWANATH CHARIALI-AGRA	2	0	1006	0.0	24.2	-24.2
					NER-NR	0.0	24.2	-24.2
Impo	ort/Export of WR (				22(0	0.0	00 0	00.0
2	HVDC HVDC	CHAMPA-KURUKSHETRA VINDHYACHAL B/B	2	90	2269 54	0.0 1.6	88.8 0.4	-88.8 1.1
3		MUNDRA-MOHINDERGARH	2	0	2020	0.0	36.1	-36.1
4		GWALIOR-AGRA	2	0	2146	0.0	30.4	-30.4
5		GWALIOR-PHAGI	2	138	1596	0.1	19.5 28.8	-19.4
7		JABALPUR-ORAI GWALIOR-ORAI	1	0 488	1114 29	7.1	0.0	-28.8 7.1
8	765 kV	SATNA-ORAI	1	0	1076	0.0	21.2	-21.2
9	765 kV	BANASKANTHA-CHITORGARH	2	938	260	8.3	0.0	8.3
10		VINDHYACHAL-VARANASI	2	0	3873	0.0	73.8	-73.8
11		ZERDA-KANKROLI ZERDA BHINMAI	1	219 477	60 101	2.0 4.6	0.0	2.0 4.6
13		ZERDA -BHINMAL VINDHYACHAL -RIHAND	i	954	0	21.9	0.0	21.9
14		RAPP-SHUJALPUR	2	178	681	0.8	5.6	-4.8
15	220 kV	BHANPURA-RANPUR	1	0	0	0.0	0.0	0.0
16 17		BHANPURA-MORAK	1	0	30	0.0	2.9	
18		MEHCAON AUDAINA						-2.9
19		MEHGAON-AURAIYA MALANPUR-AURAIYA	1	75 40	0 16	0.3	0.1	0.2
	220 kV	MALANPUR-AURAIYA	1 1 1	75 40 0	0 16 0			
20	220 kV 132 kV			40	16 0 0	0.3 0.9 0.0 0.0	0.1 0.0 0.0 0.0	0.2 0.9 0.0 0.0
	220 kV 132 kV 132 kV	MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR		40 0	16	0.3 0.9 0.0	0.1 0.0 0.0	0.2 0.9 0.0
	220 kV 132 kV 132 kV ort/Export of WR (	MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR)		40 0 0	16 0 0 WR-NR	0.3 0.9 0.0 0.0 47.5	0.1 0.0 0.0 0.0 307.5	0.2 0.9 0.0 0.0 -260.0
Impo	220 kV 132 kV 132 kV 132 kV ort/Export of WR (	MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR		40 0	16 0 0	0.3 0.9 0.0 0.0	0.1 0.0 0.0 0.0	0.2 0.9 0.0 0.0
Impo 1 2 3	220 kV 132 kV 132 kV ort/Export of WR ( HVDC HVDC 765 kV	MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAIGHAT-LALITPUR With SR) BHADRA WATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR	1 1 2 2	984 2875 1299	16 0 0 WR-NR 0 0	0.3 0.9 0.0 0.0 47.5 24.0 49.3 9.6	0.1 0.0 0.0 0.0 307.5 0.0 0.0 3.4	0.2 0.9 0.0 0.0 -260.0 24.0 49.3 6.2
Impo 1 2 3 4	220 kV 132 kV 132 kV ort/Export of WR ( HVDC HVDC 765 kV 765 kV	MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD	1 1 2 2 2 2 2 2	984 2875 1299 0	16 0 0 WR-NR 0 0 1195 2374	0.3 0.9 0.0 0.0 47.5 24.0 49.3 9.6 0.0	0.1 0.0 0.0 0.0 307.5 0.0 0.0 3.4 27.5	0.2 0.9 0.0 0.0 -260.0 24.0 49.3 6.2 -27.5
Impo 1 2 3 4 5	220 kV 132 kV 132 kV 132 kV ort/Export of WR ( HVDC HVDC 765 kV 765 kV 400 kV	MALANPUR-AURAIYA GWALIOR-SAWAIMADHOPUR RAAGHAT-LALITPUR With SR) BHADRAWATI B/B BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI	1 1 2 2 2 2 2 2 2	984 2875 1299 0	16 0 0 WR-NR 0 0 1195 2374 0	0.3 0.9 0.0 0.0 47.5 24.0 49.3 9.6 0.0 27.8	0.1 0.0 0.0 0.0 307.5 0.0 0.0 3.4 27.5 0.0	0.2 0.9 0.0 0.0 -260.0 24.0 49.3 6.2 -27.5 27.8
Impo 1 2 3 4	220 kV 132 kV 132 kV ort/Export of WR ( HVDC HVDC 765 kV 765 kV 400 kV 220 kV	MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD	1 1 2 2 2 2 2 2	984 2875 1299 0	16 0 0 WR-NR 0 0 1195 2374	0.3 0.9 0.0 0.0 47.5 24.0 49.3 9.6 0.0	0.1 0.0 0.0 0.0 307.5 0.0 0.0 3.4 27.5	0.2 0.9 0.0 0.0 -260.0 24.0 49.3 6.2 -27.5
Impo 1 2 3 4 5 6	220 kV 132 kV 132 kV 132 kV ort/Export of WR ( HVDC HVDC 765 kV 400 kV 220 kV	MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI	1 1 1 2 2 2 2 2 2 2 2	984 2875 1299 0 1472	16 0 0 WR-NR 0 0 1195 2374 0 0 0 98	0.3 0.9 0.0 0.0 47.5 24.0 49.3 9.6 0.0 0.0 0.0 1.8	0.1 0.0 0.0 0.0 0.0 307.5 0.0 0.0 3.4 27.5 0.0 0.0 0.0	0.2 0.9 0.0 0.0 260.0 24.0 49.3 6.2 -27.5 27.8 0.0 0.0
Impo 1 2 3 4 5 6 7	220 kV 132 kV 132 kV 132 kV ort/Export of WR ( HVDC HVDC 765 kV 400 kV 220 kV	MALANPUR-AURAIYA GWALIOR-SAWAIMADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	1 1 2 2 2 2 2 2 2 2 2 2 1 1	984 2875 1299 0 1472 0 0	16 0 0 WR-NR 0 0 1195 2374 0 0	0.3 0.9 0.0 0.0 47.5 24.0 49.3 9.6 0.0 27.8 0.0	0.1 0.0 0.0 0.0 0.0 307.5 0.0 0.0 3.4 27.5 0.0 0.0 0.0 0.0 0.0 3.4 27.5	0.2 0.9 0.0 0.0 260,0 24.0 49.3 6.2 -27.5 27.8 0.0 0.0
Impo 1 2 3 4 5 6 7	220 kV 132 kV 132 kV 132 kV ort/Export of WR ( HVDC HVDC 765 kV 400 kV 220 kV	MALANPUR-AURAIYA GWALIOR-SAWAIMADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	1 1 1 2 2 2 2 2 2 2 2 2 1	984 2875 1299 0 1472 0 0	16 0 0 WR-NR 0 0 1195 2374 0 0 0 98	0.3 0.9 0.0 0.0 47.5 24.0 49.3 9.6 0.0 0.0 0.0 1.8	0.1 0.0 0.0 0.0 0.0 307.5 0.0 0.0 3.4 27.5 0.0 0.0 0.0 0.0 0.0 3.4 27.5	0.2 0.9 0.0 0.0 -260.0 24.0 49.3 6.2 -27.5 27.8 0.0 0.0 1.8 81.6 +ve)/Export(-ve)
Impo 1 2 3 4 5 6 7	220 kV 132 kV 132 kV 132 kV ort/Export of WR ( HVDC HVDC 765 kV 400 kV 220 kV	MALANPUR-AURAIYA GWALIOR-SAWAIMADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	1 1 2 2 2 2 2 2 2 2 1 1 1 1 1 1 1 1 1 1	984 2875 1299 0 1472 0 0	16 0 0 WR-NR 0 0 1195 2374 0 0 0 98	0.3 0.9 0.0 0.0 47.5 24.0 49.3 9.6 0.0 0.0 0.0 1.8	0.1 0.0 0.0 0.0 0.0 307.5 0.0 0.0 3.4 27.5 0.0 0.0 0.0 0.0 0.0 3.4 27.5	0.2 0.9 0.0 0.0 -260.0 24.0 49.3 6.2 -27.5 27.8 0.0 0.0 1.8 81.6 +ve)/Export(-ve)
Impo 1 2 3 4 5 6 7	220 kV 132 kV 132 kV ort/Export of WR ( HVDC 765 kV 400 kV 220 kV 220 kV	MALANPUR-AURAIYA GWALIOR-SAWALIMADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN	1 1 2 2 2 2 2 2 2 2 1 1 1 1 1 1 1 1 1 1	984 2875 1299 0 1472 0 0 0 CCHANGES	16 0 0 WR-NR 0 0 1195 2374 0 0 0 98 WR-SR	0.3 0.9 0.0 0.0 47.5 24.0 49.3 9.6 0.0 27.8 0.0 1.8 112.5	0.1 0.0 0.0 0.0 307.5 0.0 0.0 3.4 27.5 0.0 0.0 0.0 0.0 3.9 1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.2 0.9 0.0 0.0 -260.0 24.0 49.3 6.2 -27.5 27.8 0.0 0.0 1.8 81.6 +ve)/Export(-ve)
Impo 1 2 3 4 5 6 7	220 kV 132 kV 132 kV ort/Export of WR ( HVDC 765 kV 400 kV 220 kV 220 kV	MALANPUR-AURAIYA GWALIOR-SAWALIMADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN	- 1 1 2 2 2 2 2 2 2 2 1 1 1 1 1 1 1 1 1	984 2875 1299 0 1472 0 0 CHANGES Name AR RECEIPT (from	16 0 0 WR-NR 0 0 1195 2374 0 0 0 98 WR-SR	0.3 0.9 0.0 0.0 47.5 24.0 49.3 9.6 0.0 27.8 0.0 1.8 112.5	0.1 0.0 0.0 0.0 307.5 0.0 0.0 3.4 27.5 0.0 0.0 0.0 0.0 3.9 1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.2 0.9 0.0 0.0 -260.0 24.0 49.3 6.2 -27.5 27.8 0.0 0.0 1.8 81.6 +ve)/Export(-ve)
Impo 1 2 3 4 5 6 7	220 kV 132 kV 132 kV ort/Export of WR ( HVDC 765 kV 400 kV 220 kV 220 kV	MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region	1 1 2 2 2 2 2 2 2 2 2 1 1 1 1 1 1 1 1 1	40   0   0   0   2875   1299   0   1472   0   0   0   0   0   0   0   0   0   0	16 0 0 WR-NR 0 0 1195 2374 0 0 0 8 WR-SR	0.3 0.9 0.0 0.0 47.5 24.0 49.3 9.6 0.0 27.8 0.0 0.0 1.8 112.5	0.1 0.0 0.0 0.0 0.0 307.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.2 0.9 0.0 0.0 -260.0 24.0 49.3 6.2 -27.5 27.8 0.0 0.0 1.8 81.6 +ve)/Export(-ve) Energy Exchange
Impo 1 2 3 4 5 6 7	220 kV 132 kV 132 kV ort/Export of WR ( HVDC 765 kV 400 kV 220 kV 220 kV	MALANPUR-AURAIYA GWALIOR-SAWALIMADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER	- 1 1 2 2 2 2 2 2 2 2 2 1 1 1 1 1 1 1 1	984 2875 1299 0 1472 0 0 1472 0 0 CHANGES Name AR RECEIPT (from 4*180MW) URI 12,4 (& 400kV)	16 0 0 WR-NR 0 0 1195 1195 2374 0 0 0 98 WR-SR	0.3 0.9 0.0 0.0 47.5 24.0 49.3 9.6 0.0 27.8 0.0 1.8 112.5 Min (MW)	0.1 0.0 0.0 0.0 307.5 0.0 0.0 0.0 3.4 27.5 0.0 0.0 0.0 0.0 0.0 482	0.2 0.9 0.0 0.0 -260.0 24.0 49.3 6.2 -27.5 0.0 1.8 81.6 +ve)/Export(-ve) Energy Exchange (MU)
Impo 1 2 3 4 5 6 7	220 kV 132 kV 132 kV ort/Export of WR ( HVDC 765 kV 400 kV 220 kV 220 kV	MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region		40   0   0   0   2875   1299   0   1472   0   0   0   0   CCHANGES   Name   AR RECEIPT (from   4*180MW) (URI 1,2.4 (& 400RV   RI) 1,6.4 (& 400RV   RI) 1,6	16 0 0 WR-NR 0 0 1195 2374 0 0 0 8 WR-SR	0.3 0.9 0.0 0.0 47.5 24.0 49.3 9.6 0.0 27.8 0.0 0.0 1.8 112.5	0.1 0.0 0.0 0.0 0.0 307.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.2 0.9 0.0 0.0 -260.0 24.0 49.3 6.2 -27.5 27.8 0.0 0.0 1.8 81.6 +ve)/Export(-ve) Energy Exchange
Impo 1 2 3 4 5 6 7	220 kV 132 kV 132 kV 132 kV ort/Export of WR ( HVDC 765 kV 400 kV 220 kV 220 kV State	MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER	1 1 2 2 2 2 2 2 2 2 2 2 1 1 1 1 1 1 1 1	40   0   0   0   2875   1299   0   1472   0   0   0   0   0   0   0   0   0   0	16 0 0 WR-NR 0 0 1195 2374 0 0 0 98 WR-SR Max (MW) 598	0.3 0.9 0.0 0.0 0.0 47.5 24.0 49.3 9.6 0.0 27.8 0.0 0.0 1.8 112.5 Min (MW) 431	0.1 0.0 0.0 0.0 0.0 0.0 0.0 307.5  0.0 0.0 3.4 27.5 0.0 0.0 0.0 0.0 0.0 400  Imports  Avg (MW)  482	0.2 0.9 0.0 0.0 0.0 0.0 24.0 49.3 6.2 -27.5 27.8 0.0 0.0 1.8 81.6 +ve)/Export(-ve) Energy Exchange (MU) 11.6
Impo 1 2 3 4 5 6 7	220 kV 132 kV 132 kV ort/Export of WR ( HVDC 765 kV 400 kV 220 kV 220 kV	MALANPUR-AURAIYA GWALIOR-SAWALIMADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER		40   0   0   0   0   0   0   0   0   0	16 0 0 WR-NR 0 0 1195 1195 2374 0 0 0 98 WR-SR	0.3 0.9 0.0 0.0 47.5 24.0 49.3 9.6 0.0 27.8 0.0 1.8 112.5 Min (MW)	0.1 0.0 0.0 0.0 307.5 0.0 0.0 0.0 3.4 27.5 0.0 0.0 0.0 0.0 0.0 482	0.2 0.9 0.0 0.0 -260.0 24.0 49.3 6.2 -27.5 0.0 1.8 81.6 +ve)/Export(-ve) Energy Exchange (MU)
Impo 1 2 3 4 5 6 7	220 kV 132 kV 132 kV 132 kV ort/Export of WR ( HVDC 765 kV 400 kV 220 kV 220 kV State	MALANPUR-AURAIYA GWALIOR-SAWAIMADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region  ER  ER	TERNATIONAL EX  2 2 2 2 2 2 2 1 ITERNATIONAL EX Line 400RV MANGDECHI HEP 400RV TALA BINAG MALBASE - BINAGI MALBASE - BINAGI MALBASE - BIRPAR RECEIPT (from TAL	40   0   0   0   0   0   2875   1299   0   1472   0   0   0   0   0   0   0   0   0   0	16 0 0 WR-NR 0 0 1195 2374 0 0 0 98 WR-SR Max (MW) 598	0.3 0.9 0.0 0.0 0.0 47.5 24.0 49.3 9.6 0.0 1.8 112.5 Min (MW) 431	0.1 0.0 0.0 0.0 0.0 307.5  0.0 0.0 3.4 27.5 0.0 0.0 0.0 0.0 3.0.9  Import  Avg (MW)  482	0.2 0.9 0.0 0.0 0.0 260.0 24.0 49.3 6.2 -27.5 0.0 0.0 1.8 81.6 +ve)/Export(-ve) Energy Exchange (MU) 11.6
Impo 1 2 3 4 5 6 7	220 kV 132 kV 132 kV 132 kV ort/Export of WR ( HVDC 765 kV 400 kV 220 kV 220 kV State	MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER		40   0   0   0   0   0   2875   1299   0   1472   0   0   0   0   0   0   0   0   0   0	16 0 0 WR-NR 0 0 1195 2374 0 0 0 98 WR-SR Max (MW) 598	0.3 0.9 0.0 0.0 0.0 47.5 24.0 49.3 9.6 0.0 27.8 0.0 0.0 1.8 112.5 Min (MW) 431	0.1 0.0 0.0 0.0 0.0 0.0 0.0 307.5  0.0 0.0 3.4 27.5 0.0 0.0 0.0 0.0 0.0 400  Imports  Avg (MW)  482	0.2 0.9 0.0 0.0 0.0 0.0 24.0 49.3 6.2 -27.5 27.8 0.0 0.0 1.8 81.6 +ve)/Export(-ve) Energy Exchange (MU) 11.6
Impo 1 2 3 4 5 6 7	220 kV 132 kV 132 kV 132 kV ort/Export of WR ( HVDC 765 kV 400 kV 220 kV 220 kV State	MALANPUR-AURAIYA GWALIOR-SAWAIMADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region  ER  ER	TERNATIONAL EX  2 2 2 2 2 2 2 1 ITERNATIONAL EX Line 400RV MANGDECHI HEP 400RV TALA BINAG MALBASE - BINAGI MALBASE - BINAGI MALBASE - BIRPAR RECEIPT (from TAL	40   0   0   0   0   0   2875   1299   0   1472   0   0   0   0   0   0   0   0   0   0	16 0 0 WR-NR 0 1195 1195 2374 0 0 98 WR-SR  Max (MW) 598	0.3 0.9 0.0 0.0 0.0 47.5 24.0 49.3 9.6 0.0 1.8 112.5 Min (MW) 431	0.1 0.0 0.0 0.0 0.0 307.5  0.0 0.0 3.4 27.5 0.0 0.0 0.0 0.0 3.0.9  Import  Avg (MW)  482	0.2 0.9 0.0 0.0 0.0 260.0 24.0 49.3 6.2 -27.5 0.0 0.0 1.8 81.6 +ve)/Export(-ve) Energy Exchange (MU) 11.6
Impo 1 2 3 4 5 6 7	220 kV 132 kV 132 kV 132 kV ort/Export of WR ( HVDC 765 kV 400 kV 220 kV 220 kV State	MALANPUR-AURAIYA GWALIOR-SAWAIMADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region  ER  ER	TERNATIONAL EX  2 2 2 2 2 2 2 1 ITERNATIONAL EX Line 400RV MANGDECHI HEP 400RV TALA BINAG MALBASE - BINAGI MALBASE - BINAGI MALBASE - BIRPAR RECEIPT (from TAL	40   0   0   0   2875   1299   0   1472   0   0   0   0   0   0   0   0   0   0	16 0 0 WR-NR 0 1195 1195 2374 0 0 98 WR-SR  Max (MW) 598	0.3 0.9 0.0 0.0 0.0 47.5 24.0 49.3 9.6 0.0 1.8 112.5 Min (MW) 431	0.1 0.0 0.0 0.0 0.0 307.5  0.0 0.0 3.4 27.5 0.0 0.0 0.0 0.0 3.0.9  Import  Avg (MW)  482	0.2 0.9 0.0 0.0 0.0 260.0 24.0 49.3 6.2 -27.5 0.0 0.0 1.8 81.6 +ve)/Export(-ve) Energy Exchange (MU) 11.6
Impo 1 2 3 4 5 6 7	220 kV 132 kV 132 kV 132 kV ort/Export of WR ( HVDC 765 kV 400 kV 220 kV 220 kV State	MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUNGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER ER	1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 1 1 1 1 1	40   0   0   0   2875   1299   0   1472   0   0   0   0   0   0   0   0   0   0	16 0 0 WR-NR 0 0 1195 2374 0 0 98 WR-SR  Max (MW) 598 827 210	0.3 0.9 0.9 0.0 0.0 0.0 47.5 24.0 49.3 9.6 0.0 27.8 0.0 1.8 112.5 Min (MW) 431 706	0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.2 0.9 0.0 0.0 0.0 0.0 24.0 49.3 6.2 -27.5 27.8 0.0 0.8 81.6 +ve)/Export(-ve) Energy Exchange (MU) 11.6 17.6
Impo 1 2 3 4 5 6 7	220 kV 132 kV 132 kV 132 kV ort/Export of WR ( HVDC 765 kV 400 kV 220 kV 220 kV State	MALANPUR-AURAIYA GWALIOR-SAWAIMADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region  ER  ER  ER  NER	TERNATIONAL EX  2 2 2 2 2 2 2 2 1 1 1 Line 400kV MANGDECHI 1,2k3 i.e. Alipurnu MANGDECHU HEP 400kV TALA-BINAG MANGDECHU HEP 400kV TALA-BINAG MALBASE - BINAGI RECEIPT (from TAL 132kV GELEPHU-SA 132kV MOTANGA-R	40   0   0   0   0   0   0   0   0   0	16 0 0 WR-NR 0 1195 1195 2374 0 0 0 98 WR-SR  Max (MW) 598 827 210 -31	0.3 0.9 0.0 0.0 0.0 47.5 24.0 49.3 9.6 0.0 1.8 112.5 Min (MW) 431 706	0.1 0.0 0.0 0.0 0.0 0.0 307.5  0.0 0.0 3.4 27.5 0.0 0.0 0.0 0.0 0.0 30.9  Importi  Avg (MW)  482  734  93  -20	0.2 0.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
Impo 1 2 3 4 5 6 7	220 kV 132 kV 132 kV 132 kV ort/Export of WR ( HVDC 765 kV 400 kV 220 kV 220 kV State	MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUNGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER ER	1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	40   0   0   0   0   0   0   0   0   0	16 0 0 WR-NR 0 0 1195 2374 0 0 98 WR-SR  Max (MW) 598 827 210	0.3 0.9 0.9 0.0 0.0 0.0 47.5 24.0 49.3 9.6 0.0 27.8 0.0 1.8 112.5 Min (MW) 431 706	0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.2 0.9 0.0 0.0 0.0 0.0 24.0 49.3 6.2 -27.5 27.8 0.0 0.8 81.6 +ve)/Export(-ve) Energy Exchange (MU) 11.6 17.6
Impo 1 2 3 4 5 6 7	220 kV 132 kV 132 kV 107/Export of WR ( HVDC 765 kV 400 kV 220 kV 220 kV State	MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI  IN Region  ER  ER  ER  NER  NER	1 1 1 2 2 2 2 2 2 2 2 2 1 1 1 IFERNATIONAL EX Line 400kV MANGDECHI 1,2k3 i.e. ALIPURDU 1,2k3 i.e. ALIPURDU MANGDECHI 1,2k3 i.e. ALIPURDU 1,2k4 i.e. ALIPURDU 1,2k5 i.e. ALIPURDU 1,2k5 i.e. ALIPURDU 1,2k6 i.e. ALIPURDU 1,2k6 i.e. ALIPURDU 1,2k7 i.e	40	16 0 0 WR-NR 0 0 1195 2374 0 0 0 98 WR-SR  Max (MW) 598 827 210 -31	0.3 0.9 0.9 0.0 0.0 0.0 47.5 24.0 49.3 9.6 0.0 1.8 112.5 Min (MW) 431 706 83 -8	0.1 0.0 0.0 0.0 0.0 307.5  0.0 0.0 3.4 27.5 0.0 0.0 0.0 0.0 30.9  Import( Avg (MW)  482  734  93  -20  -18	0.2 0.9 0.0 0.0 0.0 0.0 24.0 49.3 6.2 -27.5 27.8 0.0 0.0 1.8 81.6 +ve)/Export(-ve) Energy Exchange (MU) 11.6  17.6  2.2 -0.5
Impo 1 2 3 4 5 6 7	220 kV 132 kV 132 kV 132 kV ort/Export of WR ( HVDC 765 kV 400 kV 220 kV 220 kV State	MALANPUR-AURAIYA GWALIOR-SAWAIMADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region  ER  ER  ER  NER	TERNATIONAL EX  2 2 2 2 2 2 2 2 1 1 1 Line 400kV MANGDECHI 1,2k3 i.e. Alipurnu MANGDECHU HEP 400kV TALA-BINAG MANGDECHU HEP 400kV TALA-BINAG MALBASE - BINAGI RECEIPT (from TAL 132kV GELEPHU-SA 132kV MOTANGA-R	40	16 0 0 WR-NR 0 1195 1195 2374 0 0 0 98 WR-SR  Max (MW) 598 827 210 -31	0.3 0.9 0.0 0.0 0.0 47.5 24.0 49.3 9.6 0.0 1.8 112.5 Min (MW) 431 706	0.1 0.0 0.0 0.0 0.0 0.0 307.5  0.0 0.0 3.4 27.5 0.0 0.0 0.0 0.0 0.0 30.9  Importi  Avg (MW)  482  734  93  -20	0.2 0.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
Impo 1 2 3 4 5 6 7	220 kV 132 kV 132 kV 107/Export of WR ( HVDC 765 kV 400 kV 220 kV 220 kV State	MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI  IN Region  ER  ER  ER  NER  NER	1 1 1 2 2 2 2 2 2 2 2 2 1 1 1 IFERNATIONAL EX Line 400kV MANGDECHI 1,2k3 i.e. ALIPURDU 1,2k3 i.e. ALIPURDU MANGDECHI 1,2k3 i.e. ALIPURDU 1,2k4 i.e. ALIPURDU 1,2k5 i.e. ALIPURDU 1,2k5 i.e. ALIPURDU 1,2k6 i.e. ALIPURDU 1,2k6 i.e. ALIPURDU 1,2k7 i.e	40	16 0 0 WR-NR 0 0 1195 2374 0 0 0 98 WR-SR  Max (MW) 598 827 210 -31	0.3 0.9 0.9 0.0 0.0 0.0 47.5 24.0 49.3 9.6 0.0 1.8 112.5 Min (MW) 431 706 83 -8	0.1 0.0 0.0 0.0 0.0 307.5  0.0 0.0 3.4 27.5 0.0 0.0 0.0 0.0 30.9  Import( Avg (MW)  482  734  93  -20  -18	0.2 0.9 0.0 0.0 0.0 0.0 24.0 49.3 6.2 -27.5 27.8 0.0 0.0 1.8 81.6 +ve)/Export(-ve) Energy Exchange (MU) 11.6  17.6  2.2 -0.5
Impo 1 2 3 4 5 6 7	220 kV 132 kV 132 kV 107/Export of WR ( HVDC 765 kV 400 kV 220 kV 220 kV State	MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI  IN Region  ER  ER  ER  NER  NER	TERNATIONAL EX  2 2 2 2 2 2 2 2 2 2 1 1 1 ERNATIONAL EX Line 400kV MANGDECH 1,2x3-ie. ALIPURDU 1,2x3-ie. ALIPURDU MANGDECHU HEP 400kV TALA-BINAG MALBASE - BINAG MALBASE - BIN	40	16 0 0 WR-NR 0 0 1195 2374 0 0 0 98 WR-SR  Max (MW) 598 827 210 -31	0.3 0.9 0.9 0.0 0.0 0.0 47.5 24.0 49.3 9.6 0.0 1.8 112.5 Min (MW) 431 706 83 -8	0.1 0.0 0.0 0.0 0.0 307.5  0.0 0.0 3.4 27.5 0.0 0.0 0.0 0.0 30.9  Import( Avg (MW)  482  734  93  -20  -18	0.2 0.9 0.9 0.0 0.0 0.0 24.0 49.3 6.2 -27.5 27.8 0.0 0.0 1.8 81.6 +ve)/Export(-ve) Energy Exchange (MU) 11.6  17.6  2.2 -0.5
Impo 1 2 3 4 5 6 7	220 kV 132 kV 132 kV 107/Export of WR ( HVDC 765 kV 400 kV 220 kV 220 kV State	MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN Region ER ER  ER  NER  NER  NER	TERNATIONAL EX  2 2 2 2 2 2 2 2 2 2 1 1 1 ERNATIONAL EX Line 400kV MANGDECH 1,2x3-ie. ALIPURDU 1,2x3-ie. ALIPURDU MANGDECHU HEP 400kV TALA-BINAG MALBASE - BINAG MALBASE - BIN	40 0 0 0 0 984 2875 1299 0 1472 0 1472 0 0 0 0 CCHANGES  Name HU-ALIPURDUAR AR RECEIPT (from 4*180MW) URI 12,4 (& 400kW) URI 12,4 (& 400kW) LALAGE (& 220kW A) A) LA BINAGURI AHEPI (6*170MW) PPARA 18-2 (& 220kW A) A) LE BINAGURI AHEPI (6*170MW) A) LA KATI ANGIA  NAGAR- KIM HEPI 4*84MW) LAKATI  ANGIA	16 0 0 WR-NR 0 1195 2374 0 0 0 98 WR-SR  Max (MW) 598 827 210 -31 -27 -62	0.3 0.9 0.9 0.0 0.0 0.0 47.5 24.0 49.3 9.6 0.0 1.8 112.5 Min (MW) 431 706 83 -8	0.1 0.0 0.0 0.0 0.0 0.0 307.5  0.0 0.0 3.4 27.5 0.0 0.0 0.0 0.0 0.0 0.0 30.9  Import( Avg (MW)  482  734  93  -20  -18	0.2 0.9 0.0 0.0 0.0 24.0 49.3 6.2 -27.5 0.0 0.0 1.8 81.6 +ve)/Export(-ve) Energy Exchange (MU) 11.6 2.2 -0.5 -0.4 -1.0
Impo 1 2 3 4 5 6 7	220 kV 132 kV 132 kV 107/Export of WR ( HVDC 765 kV 400 kV 220 kV 220 kV State	MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN Region ER ER  ER  NER  NER  NER	1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 1 1 1 1 1	40 0 0 0 0 984 2875 1299 0 1472 0 1472 0 0 0 0 CCHANGES  Name HU-ALIPURDUAR AR RECEIPT (from 4*180MW) URI 12,4 (& 400kW) URI 12,4 (& 400kW) LALAGE (& 220kW A) A) LA BINAGURI AHEPI (6*170MW) PPARA 18-2 (& 220kW A) A) LE BINAGURI AHEPI (6*170MW) A) LA KATI ANGIA  NAGAR- KIM HEPI 4*84MW) LAKATI  ANGIA	16 0 0 WR-NR 0 1195 2374 0 0 0 98 WR-SR  Max (MW) 598 827 210 -31 -27 -62	0.3 0.9 0.9 0.0 0.0 0.0 47.5 24.0 49.3 9.6 0.0 1.8 112.5 Min (MW) 431 706 83 -8	0.1 0.0 0.0 0.0 0.0 0.0 307.5  0.0 0.0 3.4 27.5 0.0 0.0 0.0 0.0 0.0 0.0 30.9  Import( Avg (MW)  482  734  93  -20  -18	0.2 0.9 0.0 0.0 0.0 24.0 49.3 6.2 -27.5 0.0 0.0 1.8 81.6 +ve)/Export(-ve) Energy Exchange (MU) 11.6 2.2 -0.5 -0.4 -1.0
Impo 1 2 3 4 5 6 7	220 kV 132 kV 132 kV 107/Export of WR ( HVDC 765 kV 400 kV 220 kV 220 kV State	MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI  IN Region ER ER ER  ER  ER  ER  ER  NER  NER  NE	1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 1 1 1 1 1	40	16 0 0 WR-NR 0 0 1195 2374 0 0 0 98 WR-SR  Max (MW) 598 827 210 -31 -27 -62 -8 388	0.3 0.9 0.9 0.0 0.0 0.0 47.5 24.0 49.3 9.6 0.0 27.8 0.0 1.8 112.5 Min (MW) 431 706 83 -8	0.1 0.0 0.0 0.0 0.0 307.5  0.0 0.0 307.5  0.0 0.0 3.4 27.5 0.0 0.0 0.0 0.0 30.9  Import( Avg (MW)  482  734  93  -20  -18  -41	0.2 0.9 0.9 0.0 0.0 0.0 24.0 49.3 6.2 -27.5 27.8 0.0 0.0 1.8 81.6 +ve)/Export(-ve) Energy Exchange (MU) 11.6 2.2 -0.5 -0.4 -1.0 -0.1 8.7
Impo 1 2 3 4 5 6 7 8	220 kV 132 kV 132 kV 132 kV 132 kV 107UEXPORT of WR ( HVDC 105 kV 100 kV	MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI  IN Region  ER  ER  NER  NER  NER  NER  NER  ER  E	TI	40	16 0 0 WR-NR 0 1195 2374 0 0 0 98 WR-SR  Max (MW) 598 827 210 -31 -27 -62 -8 388	0.3 0.9 0.9 0.0 0.0 0.0 47.5 24.0 49.3 9.6 0.0 1.8 112.5 Min (MW) 431 706 83 -8 0 0 4 247	0.1 0.0 0.0 0.0 0.0 0.0 307.5  0.0 0.0 0.0 3.4 27.5 0.0 0.0 0.0 0.0 0.0 30.9  Import( Avg (MW)  482  734  93  -20  -18  -41  -4  360	0.2 0.9 0.0 0.0 0.0 24.0 49.3 6.2 -27.5 27.8 0.0 1.8 81.6 +ve)/Export(-ve) Energy Exchange (MU) 11.6  17.6  2.2 -0.5 -0.4 -1.0 -0.1 8.7
Impo 1 2 3 4 5 6 7 8	220 kV 132 kV 132 kV 107/Export of WR ( HVDC 765 kV 400 kV 220 kV 220 kV State	MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI  IN Region ER ER ER  ER  ER  ER  ER  NER  NER  NE	1 1 1 2 2 2 2 2 2 2 2 2 2 1 1 1 FERNATIONAL EX Line 400kV MANGDECHI 1,2k3 i.e. ALIPURDU 1,2k3 i.e. ALIPURDU MANGDECHI 1,2k3 i.e. ALIPURDU MANGDECHI 1,2k4 i.e. ALIPURDU 1,2k5 i.e. ALIPURDU 1,2k5 i.e. ALIPURDU 1,2k6 i.e. ALIPURDU 1,2k6 i.e. ALIPURDU 1,2k6 i.e. ALIPURDU 1,2k7 i.e. ALIPURDU 1,2k7 i.e. ALIPURDU 1,2k8 i.e. ALIPURDU 1,32kV MOTANGA-R 1,32kV MOTANGA-R 1,32kV MAHENDRAN 1	40	16 0 0 WR-NR 0 0 1195 2374 0 0 0 98 WR-SR  Max (MW) 598 827 210 -31 -27 -62 -8 388	0.3 0.9 0.9 0.0 0.0 0.0 47.5 24.0 49.3 9.6 0.0 27.8 0.0 1.8 112.5 Min (MW) 431 706 83 -8	0.1 0.0 0.0 0.0 0.0 307.5  0.0 0.0 307.5  0.0 0.0 3.4 27.5 0.0 0.0 0.0 0.0 30.9  Import( Avg (MW)  482  734  93  -20  -18  -41	0.2 0.9 0.9 0.0 0.0 0.0 24.0 49.3 6.2 -27.5 27.8 0.0 0.0 1.8 81.6 +ve)/Export(-ve) Energy Exchange (MU) 11.6 2.2 -0.5 -0.4 -1.0 -0.1 8.7