

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: 13th June 2021

Ref: POSOCO/NLDC/SO/Daily PSP Report

Τo,

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 12.06.2021.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 12-जून-2021 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रा॰भा॰प्रे॰के॰ की वेबसाइट पर उप्लब्ध है |

As per article 5.5.1 of the Indian Electricity Grid Code, the daily report pertaining power supply position of All India Power System for the date 12th June 2021, is available at the NLDC website.

धन्यवाद,

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



Report for previous day

A Power Supply Position at All India and Regional level Date of Reporting: 13-Jun-2021

	NR	WR	SR	ER	NER	TOTAL
Demand Met during Evening Peak hrs(MW) (at 20:00 hrs; from RLDCs)	53776	47140	35488	20661	2832	159897
Peak Shortage (MW)	208	0	0	0	2	210
Energy Met (MU)	1280	1120	875	443	53	3770
Hydro Gen (MU)	342	53	65	112	20	591
Wind Gen (MU)	54	157	233		-	444
Solar Gen (MU)*	50.09	34.19	87.93	4.85	0.14	177
Energy Shortage (MU)	4.60	0.00	0.00	0.00	0.04	4.64
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	61724	47939	39256	21908	3098	164112
Time Of Maximum Demand Met (From NLDC SCADA)	00:00	14:53	09:17	21:31	20:00	00:00

B. Frequency Profile (%)
Region
All India

		Max.Demand	Shortage during	Energy Met	Drawal	OD(+)/UD(-)	Max OD	Energ
Region	States	Met during the	maximum	(MU)	Schedule	(MU)	(MW)	Shortag
		dav(MW)	Demand(MW)	· -/	(MU)	` ′		(MU
	Punjab	11382	0	237.3	157.3	-1.5	160	0.00
	Haryana	8870	175	178.5	127.7	-2.6	335	0.99
	Rajasthan	12594	0	271.0	106.5	-0.7	538	0.00
	Delhi	5721	0	110.2	94.4	0.7	274	0.03
NR	UP	19750	0	369.0	154.7	-3.4	543	0.13
	Uttarakhand	1813	0	36.2	10.7	-0.5	199	0.00
	HP	1295	0	28.7	-6.2	1.7	302	0.00
	J&K(UT) & Ladakh(UT)	2289	250	44.3	18.9	0.8	355	3.45
	Chandigarh	269	0	5.2	6.1	-0.9	0	0.00
	Chhattisgarh	3265	0	77.7	27.0	-0.5	226	0.00
	Gujarat	17610	0	371.8	146.8	0.6	505	0.0
	MP	8577	0	193.2	112.0	-1.0	465	0.0
WR	Maharashtra	19038	0	422.1	148.1	0.6	663	0.0
	Goa	525	0	11.5	9.6	1.6	82	0.0
	DD	312	0	7.0	6.7	0.3	22	0.0
	DNH	756	0	17.2	17.1	0.1	85	0.0
	AMNSIL	866	0	19.1	1.3	0.7	276	0.0
	Andhra Pradesh	7790	0	171.1	45.8	0.9	608	0.0
	Telangana	6606	0	140.7	52.1	-0.1	654	0.0
SR	Karnataka	9691	0	179.5	51.9	0.0	654	0.0
	Kerala	3003	0	63.6	41.7	0,3	259	0.0
	Tamil Nadu	14059	0	311.6	134.6	-0.9	747	0.0
	Puducherry	388	0	8.2	8.5	-0.3	66	0.0
	Bihar	5655	0	98.7	89.7	-2.1	220	0.00
	DVC	3087	0	66.9	-37.2	0.0	254	0.0
	Jharkhand	1446	Ů	25.6	23.6	-2.9	155	0.00
ER	Odisha	4864	0	96.3	33.1	-0.6	389	0.0
	West Bengal	7681	0	154.0	48.7	0.4	408	0.0
	Sikkim	82	0	1.3	1.1	0.2	54	0.0
	Arunachal Pradesh	132	ĭ	2.2	2.2	-0.2	36	0.0
	Assam	1896	0	34.8	29.0	0.4	134	0.00
	Manipur	192	1	2.7	2.5	0.2	28	0.0
NER	Meghalaya	305	0	5.2	2.8	-0.2	33	0.00
1121	Mizoram	98	1	1.5	1.7	-0.2	23	0.0
	Nagaland	133	1	2.5	2.5	-0.2	13	0.01
	Tripura	339	0	4.6	4.1	-0.1	45	0.0

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	42.6	-4.2	-20.5
Day Peak (MW)	1786.0	-312.5	-1070.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	292.9	-199.2	27.5	-123.5	2.4	0.0
Actual(MU)	271.7	-187.5	31.5	-124.9	5.3	-3.9
IO/D/U/D(MU)	-21.2	11.7	4.0	-1.4	3.0	-3.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	5616	19708	9742	0	772	35838	41
State Sector	10488	21835	14058	5247	11	51639	59
Total	16104	41543	23800	5247	783	87477	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	485	994	318	478	9	2285	59
Lignite	22	10	45	0	0	77	2
Hydro	342	53	65	112	20	591	15
Nuclear	30	33	66	0	0	128	3
Gas, Naptha & Diesel	30	36	13	0	24	103	3
RES (Wind, Solar, Biomass & Others)	123	191	345	5	0	664	17
Total	1032	1316	851	595	54	3848	100
							ì
Share of RES in total generation (%)	11.97	14.50	40.50	0.81	0.26	17.26	
Share of Non-fossil fuel (Hydro Nuclear and RES) in total generation(%)	47 98	20.98	55.83	19 61	38 21	35 96	

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.060
Rosed on State May Demands	1 111

Based 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)
Date of Reporting: 13-Jun-2021

Import/Ex							Date of Reporting:	13-Jun-2021
Import/Ex	ltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)

	HVDC	ALIPURDUAR-AGRA	2	0	801	0.0	18.9	-18.9
	765 kV	PUSAULI B/B GAYA-VARANASI	- 2	0	248 715	0.0	5.9 9.6	-5.9 -9.6
	765 kV	SASARAM-FATEHPUR	ĩ	2	255	0.0	2.3	-2.3
5	765 kV 400 kV	GAYA-BALIA PUSAULI-VARANASI	1	0	558 210	0.0	10.0 4.2	-10.0
		PUSAULI-VARANASI PUSAULI-ALLAHABAD	1	0	112	0.0	1.7	-4.2 -1.7
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	742	0.0	11.8	-11.8
	400 kV 400 kV	PATNA-BALIA BIHADSHADIFE DATTA	4	0	1173 425	0.0	20.7 7.9	-20.7 -7.9
	400 kV	BIHARSHARIFF-BALIA MOTIHARI-GORAKHPUR	2	0	443	0.0	6.8	-6.8
	400 kV	BIHARSHARIFF-VARANASI	2	0	274	0.0	3.8	-3.8
	220 kV 132 kV	PUSAULI-SAHUPURI SONE NAGAR-RIHAND	1	11	95 0	0.0	1.3 0.0	-1.3 0.0
	132 kV	GARWAH-RIHAND	i	20	Ö	0.4	0.0	0.4
	132 kV	KARMANASA-SAHUPURI	1	0	0	0.0	0.0	0.0
17	132 kV	KARMANASA-CHANDAULI	11	0	0 ER-NR	0.0 0.4	0.0 104.9	0.0 -104.5
Import/Ex	xport of ER (With WR)			224.114	0.4	2010	-104.5
	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	744	292	6.2	0.0	6.2
	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1150	62	16.1	0.0	16.1
	765 kV	JHARSUGUDA-DURG	2	137	211	0.0	0.2	-0.2
	400 kV	JHARSUGUDA-RAIGARH	4	236	145	1.8	0.0	1.8
	400 kV	RANCHI-SIPAT	2	363	0	5.5	0.0 1.7	5.5
	220 kV 220 kV	BUDHIPADAR-RAIGARH BUDHIPADAR-KORBA	2	131	123 0	2.1	0.0	-1.7 2.1
' - '	220 K V	BUDHIFADAR-KORBA		131	ER-WR	31.7	1.9	29.8
	xport of ER (1	ı				
	HVDC	JEYPORE-GAZUWAKA B/B	2	238	1638	5.1	0.0 35.0	5.1
	765 kV	TALCHER-KOLAR BIPOLE ANGUL-SRIKAKULAM	2	0	1638 2673	0.0	35.0 45.0	-35.0 -45.0
4	400 kV	TALCHER-I/C	2	533	641	0.5	0.0	0.5
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0 ER-SR	0.0 5.1	0.0 80.0	-75.0
Import/Ex	xport of ER (With NER)			ER-SK	5.1	80.0	-/5.0
1	400 kV	BINAGURI-BONGAIGAON	2	0	341	0.0	5.7	-5.7
	400 kV 220 kV	ALIPURDUAR-BONGAIGAON ALIPURDUAR-SALAKATI	2	0	465 122	0.0	6.8 2.0	-6.8 -2.0
					ER-NER	0.0	14.5	-14.5
Import/Ex	xport of NER	(With NR)		_			11.7	
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	502 NER-NR	0.0	11.7	-11.7 -11.7
	xport of WR							
		CHAMPA-KURUKSHETRA	2	0	3024	0.0	46.9	-46.9
	HVDC HVDC	VINDHYACHAL B/B MUNDRA-MOHINDERGARH	2	0	0 1451	0.0	0.0 28.5	-28.5
4	765 kV	GWALIOR-AGRA	2	Ŏ	2325	0.0	42.5	-42.5
	765 kV 765 kV	PHAGI-GWALIOR JABALPUR-ORAI	2 2	0	1833	0.0	33.5 21.9	-33.5
	765 kV	GWALIOR-ORAI	1	677	914 0	9.0	0.0	-21.9 9.0
8	765 kV	SATNA-ORAI	1	0	1515	0.0	30.9	-30.9
	765 kV 400 kV	CHITORGARH-BANASKANTHA ZERDA-KANKROLI	2	1239 296	154	7.6 3.6	0.0	7.6 3.6
	400 kV	ZERDA-RANKOLI ZERDA -BHINMAL	i	514	6	8.0	0.0	8.0
	400 kV	VINDHYACHAL -RIHAND	1	964	0	22.3	0.0	22.3
	400 kV 220 kV	RAPP-SHUJALPUR BHANPURA-RANPUR	1	0	494 88	0.0	6.7 1.7	-6.7 -1.7
15	220 kV	BHANPURA-MORAK	ī	Õ	30	0.0	1.2	-1.2
16			1	87		0.2	0.2	0.0
	220 kV	MEHGAON-AURAIYA			20			
17	220 kV 220 kV	MALANPUR-AURAIYA	1	56	34	0.5	0.0	0.5
17 18	220 kV		1 1 2		34 0 0	0.5 0.0 0.0	0.0 0.0	0.0 0.0
17 18 19	220 kV 220 kV 132 kV 132 kV	MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR	1 1 1 2	56 0	34 0	0.5 0.0	0.0	0.0
17 18 19 Import/Ex	220 kV 220 kV 132 kV 132 kV	MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR)	1 1 2	56 0 0	34 0 0 WR-NR	0.5 0.0 0.0 51.1	0.0 0.0 213.9	0.0 0.0 -162.9
17 18 19 Import/Ex 1 2	220 kV 220 kV 132 kV 132 kV wport of WR HVDC HVDC	MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAJGARH-PUGALUR	1 1 2	56 0 0 493 0	34 0 0 WR-NR	0.5 0.0 0.0 51.1 11.8 0.0	0.0 0.0 213.9 0.0 12.9	0.0 0.0 -162.9 11.8 -12.9
17 18 19 Import/Ex 1 2 3	220 kV 220 kV 132 kV 132 kV 132 kV Export of WR HVDC HVDC 765 kV	MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUCALUR SOLAPUR-RAICHUR	1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	56 0 0 0 493 0 1663	34 0 0 WR-NR 0 804 947	0.5 0.0 0.0 51.1 11.8 0.0 11.8	0.0 0.0 213.9 0.0 12.9 0.0	0.0 0.0 -162.9 11.8 -12.9
17 18 19 Import/Ex 1 2 3 4	220 kV 220 kV 132 kV 132 kV wport of WR HVDC HVDC	MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAJGARH-PUGALUR	1 1 1 2 2 2 2 2 2 2	56 0 0 493 0 1663 0	34 0 0 WR-NR	0.5 0.0 0.0 51.1 11.8 0.0	0.0 0.0 213.9 0.0 12.9	0.0 0.0 -162.9 11.8 -12.9 11.8 -22.5
17 18 19 Import/Ex 1 2 3 4 5 6	220 kV 220 kV 132 kV 132 kV 132 kV EXECUTE: THE SECUTION OF THE SECUTION	MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI R/B RAJGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI	2	56 0 0 0 493 0 1663 0 1086	34 0 0 WR-NR 0 804 947 1763 0	0.5 0.0 0.0 51.1 11.8 0.0 11.8 0.0 16.6	0.0 0.0 213.9 0.0 12.9 0.0 22.5 0.0	0.0 0.0 -162.9 11.8 -12.9 11.8 -22.5 16.6 0.0
17 18 19 Import/Ex 1 2 3 4 5 6 7	220 kV 220 kV 132 kV 132 kV 132 kV typort of WR HVDC HVDC 765 kV 400 kV 220 kV	MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGABH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI	1 1 1 2 2 2 2 2 2 2 2 2 2 2	56 0 0 493 0 1663 0 1086	34 0 0 WR-NR 0 804 947 1763 0 0	0.5 0.0 0.0 51.1 11.8 0.0 11.8 0.0 16.6 0.0	0.0 0.0 213.9 0.0 12.9 0.0 22.5 0.0 0.0	0.0 0.0 -162.9 11.8 -12.9 11.8 -22.5 16.6 0.0
17 18 19 Import/Ex 1 2 3 4 5 6 7	220 kV 220 kV 132 kV 132 kV 132 kV EXECUTE: THE SECUTION OF THE SECUTION	MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI R/B RAJGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI	2	56 0 0 0 493 0 1663 0 1086	34 0 0 WR-NR 0 804 947 1763 0	0.5 0.0 0.0 51.1 11.8 0.0 11.8 0.0 16.6	0.0 0.0 213.9 0.0 12.9 0.0 22.5 0.0	0.0 0.0 -162.9 11.8 -12.9 11.8 -22.5 16.6 0.0
17 18 19 Import/Ex 1 2 3 4 5 6 7	220 kV 220 kV 132 kV 132 kV 132 kV typort of WR HVDC HVDC 765 kV 400 kV 220 kV	MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAJGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	2	56 0 0 0 493 0 1663 0 0 0 0 1086	34 0 0 WR-NR 0 804 947 1763 0 0 0	0.5 0.0 0.0 51.1 11.8 0.0 11.8 0.0 16.6 0.0	0.0 0.0 213.9 0.0 12.9 0.0 22.5 0.0 0.0 0.0 0.0 0.0 35.3	0.0 0.0 -162.9 11.8 -12.9 11.8 -22.5 16.6 0.0 1.0 (+ve)/Export(-ve)
17 18 19 Import/Ex 1 2 3 4 5 6 7 8	220 kV 220 kV 132 kV 132 kV 132 kV typort of WR HVDC HVDC 765 kV 400 kV 220 kV	MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAJGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN	2 1 1 TERNATIONAL EX	56 0 0 0 493 0 1663 0 0 0 0 1086	34 0 0 WR-NR 0 804 947 1763 0 0 0	0.5 0.0 0.0 51.1 11.8 0.0 11.8 0.0 16.6 0.0	0.0 0.0 213.9 0.0 12.9 0.0 22.5 0.0 0.0 0.0 0.0 0.0 35.3	0.0 0.0 -162.9 11.8 -12.9 11.8 -22.5 16.6 0.0 0.0 1.0 5.9 +ve)/Export(-ve) Energy Exchange
17 18 19 Import/Ex 1 2 3 4 5 6 7 8	220 kV 220 kV 132 kV 132 kV 132 kV HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV	MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAJGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	2 1 1 TERNATIONAL EX	56 0 0 0 493 0 1663 0 1086 0 0 1 1 CCHANGES	34 0 0 WR-NR 0 804 947 1763 0 0 0 0 71 WR-SR	0.5 0.0 0.0 51.1 11.8 0.0 11.8 0.0 16.6 0.0 1.0 41.2	0.0 0.0 213.9 0.0 12.9 0.0 22.5 0.0 0.0 0.0 0.0 35.3	0.0 0.0 -162.9 11.8 -12.9 11.8 -22.5 16.6 0.0 0.0 1.0 (+ve)/Export(-ve)
17 18 19 Import/Ex 1 2 3 4 5 6 7 8	220 kV 220 kV 132 kV 132 kV 132 kV HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV	MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAJGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN	2 1 1 TERNATIONAL EX Line 400kV MANGDECHI i.e. ALIPURDUAR RI	55 0 0 0 493 0 1663 0 1086 0 0 1 1 CCHANGES Name	34 0 0 WR-NR 0 804 947 1763 0 0 0 0 71 WR-SR	0.5 0.0 0.0 51.1 11.8 0.0 11.8 0.0 16.6 0.0 1.0 41.2	0.0 0.0 213.9 0.0 12.9 0.0 22.5 0.0 0.0 0.0 0.0 35.3	0.0 0.0 -162.9 11.8 -12.9 11.8 -22.5 16.6 0.0 0.0 1.0 5.9 +ve)/Export(-ve) Energy Exchange
17 18 19 Import/Ex 1 2 3 4 5 6 7 8	220 kV 220 kV 132 kV 132 kV 132 kV HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV	MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI RB RAJGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region	2 1 1 TERNATIONAL EX Line 400kV MANGDECHI i.e. ALIPUCHU HEP. MANGDECHI HEP.	56 0 0 493 0 1663 0 0 0 0 0 0 1 CHANGES Name USALIPURDUAR 1&2 CELPT (from	34 0 0 WR-NR 0 804 947 1763 0 0 0 71 WR-SR Max (MW)	0.5 0.0 0.0 51.1 11.8 0.0 11.8 0.0 16.6 0.0 0.0 41.2	0.0 0.0 213.9 0.0 12.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 0.0 -162.9 11.8 -12.9 11.8 -22.5 16.6 0.0 0.0 1.0 5.9 +ve)/Export(-ve) Energy Exchange
17 18 19 Import/Ex 1 2 3 4 5 6 7 8	220 kV 220 kV 132 kV 132 kV 132 kV HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV	MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI RB RAJGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region	2 1 1 1 TERNATIONAL EX Line 400RV MANGDECHU HEP 400RV TALA-BINAG MALBASE - BINAGI	556 0 0 0 0 0 0 0 0 0	34 0 0 WR-NR 0 804 947 1763 0 0 0 71 WR-SR Max (MW)	0.5 0.0 0.0 51.1 11.8 0.0 11.8 0.0 16.6 0.0 0.0 41.2	0.0 0.0 213.9 0.0 12.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0.0 0.0 -162.9 11.8 -12.9 11.8 -22.5 16.6 0.0 0.0 1.0 5.9 +ve)/Export(-ve) Energy Exchange
17 18 19 Import/Ex 1 2 3 4 5 6 7 8	220 kV 220 kV 132 kV 132 kV 132 kV HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV	MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WHIR SR) BHADRAWATI B/B RAJGARH-PUGALUR SOLAPUR-RAJGHUR WARDHANIZAMARAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER	2 1 1 1 TERNATIONAL EX Line 400RV MANGDECHU HEP 400RV TALA-BINAG MALBASE - BINAGI	556 0 0 0 0 0 0 0 0 0	34 0 0 WR-NR 0 804 947 1763 0 0 0 71 WR-SR	0.5 0.0 0.0 51.1 11.8 0.0 11.8 0.0 16.6 0.0 1.0 1.0 41.2 Min (MW)	0.0 0.0 213.9 12.9 0.0 22.5 0.0 0.0 0.0 0.0 35.3 Importe Avg (MW)	0.0 0.0 -162.9 11.8 -12.9 11.8 -22.5 16.6 0.0 1.0 5.9 +ve)/Export(-ve) Energy Exchange (MII)
17 18 19 1 19 1 19 1 19 1 1	220 kV 220 kV 132 kV 132 kV 132 kV HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV	MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WHIR SR) BHADRAWATI B/B RAJGARH-PUGALUR SOLAPUR-RAJGHUR WARDHANIZAMARAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER	2 1 1 TERNATIONAL EX Line 400kV MANGDECHI i.e. ALIPURDUAR RI MANGDECHU HEP 400kV TALA-BINAG	556 0 0 0 0 0 0 0 0 0	34 0 0 WR-NR 0 804 947 1763 0 0 0 71 WR-SR	0.5 0.0 0.0 51.1 11.8 0.0 11.8 0.0 16.6 0.0 1.0 1.0 41.2 Min (MW)	0.0 0.0 213.9 12.9 0.0 22.5 0.0 0.0 0.0 0.0 35.3 Importe Avg (MW)	0.0 0.0 -162.9 11.8 -12.9 11.8 -22.5 16.6 0.0 1.0 5.9 +ve)/Export(-ve) Energy Exchange (MII)
17 18 19 1 19 1 19 1 19 1 1	220 kV 132 kV 132 kV 132 kV 132 kV HYDC T65 kV 400 kV 220 kV 220 kV	MALANPUR-AURAIVA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI RB RAJGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER	2 1 1 1 TERNATIONAL EX Line 400kV MANGDECHI i.e. ALIPURDUAR RI MANGDECHI HEP 400kV TALA-BINAG MALBASE - BINAGU RECEIPT (from TAL 220kV CHUKHA-BIR	556 0 0 0	34 0 0 WR-NR 0 804 947 1763 0 0 0 71 WR-SR Max (MW) 666	0.5 0.0 0.0 51.1 11.8 0.0 11.8 0.0 11.8 0.0 1.0 1.0 41.2 Min (MW)	0.0 0.0 213.9 0.0 12.9 0.0 0.0 22.5 0.0 0.0 0.0 0.0 0.0 0.0 35.3 Import Avg (MW) 573	0.0 0.0 1.18 11.8 12.9 11.8 2.2.5 16.6 0.0 1.0 1.0 1.0 Energy Exchange (MII) 13.8
17 18 19 19 1 1 2 3 4 5 5 6 6 7 8 St	220 kV 132 kV 132 kV 132 kV 132 kV HYDC T65 kV 400 kV 220 kV 220 kV	MALANPUR-AURAIVA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI RB RAJGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER	2 1 1 1 TERNATIONAL EX Line 400KV MANGDECHI i.e. ALIPURDUAR RI MANGDECHI HEP 400KV TALA-BINAG RECEIPT (from TAL 220KV CHUKHA-BIR MALBASE - BINAGU MALBASE - BIRPAR	556 0 0 0 0 0 0 0 0 0	34 0 0 WR-NR 0 804 947 1763 0 0 0 71 WR-SR Max (MW) 666	0.5 0.0 0.0 51.1 11.8 0.0 11.8 0.0 11.8 0.0 1.0 1.0 41.2 Min (MW)	0.0 0.0 213.9 0.0 12.9 0.0 0.0 22.5 0.0 0.0 0.0 0.0 0.0 0.0 35.3 Import Avg (MW) 573	0.0 0.0 1.18 11.8 12.9 11.8 2.2.5 16.6 0.0 1.0 1.0 1.0 Energy Exchange (MII) 13.8
17 18 19 1 19 1 19 1 19 1 1	220 kV 132 kV 132 kV 132 kV 132 kV HYDC T65 kV 400 kV 220 kV 220 kV	MALANPUR-AURAIVA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WHIS RI BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAIGHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI ROHAPUR-KUDGI PONDA-AMBEWADI XELDEM-AMBEWADI REGION ER ER ER	TERNATIONAL EX I I I I I I I I I I I I I	556 0 0 0 0 0 0 0 0 0	34 0 0 WR-NR 804 947 1763 0 0 0 71 WR-SR Max (MW) 666	0.5 0.0 0.0 0.0 51.1 11.8 0.0 11.8 0.0 11.8 0.0 14.2 Min (MW) 594	0.0 0.0 1213.9 0.0 1229 0.0 222.5 0.0 0.0 0.0 35.3 Import Avg (MW) 573	0.0 0.0 1.0 1.1.8 -12.9 11.8 -22.5 16.6 0.0 1.0 5.9 +ve)/Export(-ve) Energy Exchange (MII) 13.8 21.1
17 18 19 1 19 1 19 1 19 1 1	220 kV 132 kV 132 kV 132 kV 132 kV HYDC T65 kV 400 kV 220 kV 220 kV	MALANPUR-AURAIVA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WHIS RI BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAIGHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI ROHAPUR-KUDGI PONDA-AMBEWADI XELDEM-AMBEWADI REGION ER ER ER	2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	56 0 0 0 10 1663 0 1086 0 0 1 1 1 1 1 1 1 1 1 1	34 0 0 WR-NR 804 947 1763 0 0 0 71 WR-SR Max (MW) 666	0.5 0.0 0.0 0.0 51.1 11.8 0.0 11.8 0.0 11.8 0.0 14.2 Min (MW) 594	0.0 0.0 1213.9 0.0 1229 0.0 222.5 0.0 0.0 0.0 35.3 Import Avg (MW) 573	0.0 0.0 1.0 1.1.8 -12.9 11.8 -22.5 16.6 0.0 1.0 5.9 +ve)/Export(-ve) Energy Exchange (MII) 13.8 21.1
17 18 19 1 19 1 19 1 19 1 1	220 kV 132 kV 132 kV 132 kV 132 kV HYDC T65 kV 400 kV 220 kV 220 kV	MALANPUR-AURAIVA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI BB RAJGAHP-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN Region ER ER ER	TERNATIONAL EX I I I I I I I I I I I I I	56 0 0 0 10 1663 0 1086 0 0 1 1 1 1 1 1 1 1 1 1	34 0 0 0 WR-NR 0 804 947 1763 0 0 0 71 WR-SR Max (MW) 666	0.5 0.0 0.0 0.0 51.1 11.8 0.0 11.8 0.0 11.8 0.0 14.2 Min (MW)	0.0 0.0 213.9 0.0 12.9 0.0 0.0 22.5 0.0 0.0 0.0 0.0 35.3 Importi Avg (MW) 573 879 230	0.0 0.0 1.18 11.8 12.9 11.8 2.12.9 11.6 0.0 0.0 1.0 5.9 +ve/Export(-ve) Energy Exchange (MII) 13.8 21.1
17 18 19 19 1 1 2 3 4 5 5 6 6 7 8 St	220 kV 132 kV 132 kV 132 kV 132 kV HYDC T65 kV 400 kV 220 kV 220 kV	MALANPUR-AURAIVA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WHIS RI BHADRAWATI BÆ RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI ROHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER ER NER	TERNATIONAL EX Line 4000KV MANGDECHH Le. ALIPURDUAR RI MANGDECHU HEP 4000KV TALA BINAG MALBASE - BINAGG MALBASE - BINAGG MALBASE - BIRPAR RECEIPT (from TAL 132KV-GEYLEGPHU 132KV Motanga-Rang 132KV-TANAKPUR(1	56 0 0 0 0 0 1663 0 1086 0 0 0 1 1 CCHANGES Name U-ALIPURDUAR 1&2 CEIPT (from 4*180MW) URI 1,2,4 (& 400kV URI 1,2,4	34 0 0 0 WR-NR 0 804 947 1763 0 0 0 71 WR-SR Max (MW) 666	0.5 0.0 0.0 0.0 11.8 0.0 11.8 0.0 11.8 0.0 14.2 0.0 0.0 0.0 0.0 1.0 0.0 41.2 Min (MW) 594 220 -10	0.0 0.0 213.9 0.0 12.9 0.0 0.0 22.5 0.0 0.0 0.0 0.0 35.3 Importi Avg (MW) 573 879 230	0.0 0.0 1.8 -162.9 11.8 -12.9 11.8 -22.5 16.6 0.0 1.0 5.9 +ve)/Export(-ve) Energy Exchange (MII) 13.8 21.1 5.5
17 18 19 1 19 1 19 1 19 1 1	220 kV 132 kV 132 kV 132 kV 132 kV HYDC T65 kV 400 kV 220 kV 220 kV	MALANPUR-AURAIVA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI BB RAJGAHP-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN Region ER ER ER	TERNATIONAL EM Line 400KV MANGDECHI 400KV MANGDECHI 400KV MANGDECHU HEP 400KV TALA BINAG MALBASE - BINAGI ECELIPT (From TAL 250KV CHUKHA-BIR ECELIPT (from CHL 132KV-GEYLEGPHU 132KV Motanga-Rang	56 0 0 0 0 0 1663 0 1086 0 0 0 1 1 CCHANGES Name U-ALIPURDUAR 1&2 CEIPT (from 4*180MW) URI 1,2,4 (& 400kV URI 1,2,4	34 0 0 WR-NR 0 WR-NR 0 8044 947 1763 0 0 71 WR-SR Max (MW) 666 1013 270 -98	0.5 0.0 0.0 0.0 51.1 11.8 0.0 11.8 0.0 11.8 0.0 14.2 Min (MW)	0.0 0.0 12.9 0.0 12.9 0.0 22.5 0.0 0.0 0.0 0.0 35.3 Import Avg (MW) 573 879 230	0.0 0.0 1.18 11.8 12.9 11.8 2.12.9 11.6 0.0 0.0 1.0 5.9 +ve/Export(-ve) Energy Exchange (MII) 13.8 21.1
17 18 19 1 19 1 19 1 19 1 1	220 kV 132 kV 132 kV 132 kV 132 kV HYDC T65 kV 400 kV 220 kV 220 kV	MALANPUR-AURAIVA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B'B RAJGAHP-UGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-HKODI PONDA-AMBEWADI IN Region ER ER ER NER NER	TERNATIONAL EX Line 400KV MANGDECHI 400KV MANGDECHI 400KV MANGDECHI HEP 400KV TALA-BINAG MALBASE - BINAGI MALBASE - BINAGI 120KV CHUKITA-BIR RECEIPT (from TAL 132KV-GEYLEGPHI 132KV Motanga-Rang 132KV-TANAKPUR 400KV-MUZAFFARI	556 0 0 0	34 0 0 0 WR-NR 0 804 947 1763 0 0 0 71 WR-SR Max (MW) 666 1013 270 -98 -66	0.5 0.0 0.0 0.0 11.8 0.0 11.8 0.0 11.8 0.0 11.8 0.0 10 10 10 10 10 10 10 10 10 10 10 10 10	0.0 0.0 1213.9 0.0 122.9 0.0 0.0 22.5 0.0 0.0 0.0 0.0 35.3 Importi Avg (MW) 573 879 230 -41	0.0 0.0 1.0 1.18 11.8 12.9 11.8 1.6 0.0 0.0 1.0 5.9 +ve/Export(-ve) Energy Exchange (MII) 13.8 21.1 5.5 -1.0
17 18 19 1 19 1 19 1 19 1 1	220 kV 132 kV 132 kV 132 kV 132 kV HYDC T65 kV 400 kV 220 kV 220 kV	MALANPUR-AURAIVA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WHIS RI BHADRAWATI BÆ RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI ROHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER ER NER	TERNATIONAL EX Line 4000KV MANGDECHH ie. ALIPURDUAR RI MANGDECHH HEP 4000KV TALA-BINAG MALBASE - BINAGG MALBASE - BINAGG MALBASE - BIRPAR RECEIPT (from TAL 132KV-GEYLEGPHU 132KV Motanga-Rang 132KV-TANAKPUR(MAHENDRANAGAR	556 0 0 0	34 0 0 WR-NR 0 WR-NR 0 8044 947 1763 0 0 71 WR-SR Max (MW) 666 1013 270 -98	0.5 0.0 0.0 0.0 11.8 11.8 0.0 11.8 0.0 11.8 0.0 14.2 Min (MW) 594 220 -10	0.0 0.0 12.9 0.0 12.9 0.0 22.5 0.0 0.0 0.0 0.0 35.3 Import Avg (MW) 573 879 230	0.0 0.0 1.8 -162.9 11.8 -12.9 11.8 -22.5 16.6 0.0 1.0 5.9 +ve)/Export(-ve) Energy Exchange (MII) 13.8 21.1 5.5
17 18 19 1 1 1 1 1 1 1 1	220 kV 132 kV 132 kV 132 kV 132 kV Weport of WR HVDC 765 kV 400 kV 220 kV 220 kV	MALANPUR-AURAIVA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WHIS SRI BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI ER ER ER NER NER NER	TERNATIONAL EX I 1 1 TERNATIONAL EX Line 400kV MANGDECHI Lie. ALIPUDIAR RI MANGDECHU HEP. 400kV TALA-BINAG MALBASE - BINAGG MALBASE - BINAGG MALBASE - BIRPAR RECEIPT (from TAL 132kV-GEYLEGPHI 132kV-GEYLEGPHI 132kV Motanga-Rang 132kV-TANAKPUR(MAHENDRANAGAR 400kV-MUZAFFARI DC	556 0 0 0 0 0 0 0 0 0	34 0 0 0 WR-NR 804 947 1763 0 0 0 71 WR-SR Max (MW) 666 1013 270 -98 -66	0.5 0.0 0.0 0.0 11.8 0.0 11.8 0.0 11.8 0.0 11.8 0.0 14.2 Min (MW)	0.0 0.0 12.9 0.0 12.9 0.0 22.5 0.0 0.0 0.0 0.0 35.3 Importe Avg (MW) 573 879 230 -41 -53	0.0 0.0 1.0 1.1.8 -1.2.9 11.8 -12.9 11.8 -2.2.5 16.6 0.0 1.0 1.0 5.9 +ve)/Export(-ve) Energy Exchange (MII) 13.8 21.1 5.5 -1.0 -1.3 -1.1
17 18 19 1 1 1 1 1 1 1 1	220 kV 132 kV 132 kV 132 kV 132 kV HYDC T65 kV 400 kV 220 kV 220 kV	MALANPUR-AURAIVA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B'B RAJGAHP-UGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-HKODI PONDA-AMBEWADI IN Region ER ER ER NER NER	TERNATIONAL EX Line 400KV MANGDECHI 400KV MANGDECHI 400KV MANGDECHI HEP 400KV TALA-BINAG MALBASE - BINAGI MALBASE - BINAGI 120KV CHUKITA-BIR RECEIPT (from TAL 132KV-GEYLEGPHI 132KV Motanga-Rang 132KV-TANAKPUR 400KV-MUZAFFARI	556 0 0 0 0 0 0 0 0 0	34 0 0 0 WR-NR 0 804 947 1763 0 0 0 71 WR-SR Max (MW) 666 1013 270 -98 -66	0.5 0.0 0.0 0.0 11.8 0.0 11.8 0.0 11.8 0.0 11.8 0.0 10 10 10 10 10 10 10 10 10 10 10 10 10	0.0 0.0 1213.9 0.0 122.9 0.0 0.0 22.5 0.0 0.0 0.0 0.0 35.3 Importi Avg (MW) 573 879 230 -41	0.0 0.0 1.0 1.1.8 11.8 12.9 11.8 1.6 0.0 0.0 1.0 5.9 +ve/Export(-ve) Energy Exchange (MU) 13.8 21.1 5.5 -1.0
17 18 19 1 1 1 1 1 1 1 1	220 kV 132 kV 132 kV 132 kV 132 kV Weport of WR HVDC 765 kV 400 kV 220 kV 220 kV	MALANPUR-AURAIVA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI BB RAJGAHP-UGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI ROHAPUR-GHIKODI PONDA-AMBEWADI IN Region ER ER ER NER NER NER NER NER	TERNATIONAL EX Line 400KV MANGDECHH 1c. ALIPURDUAR RI MANGDECHU HEP 400KV TALA-BINAG MALBASE - BINAGG MALBASE - BINAGG MALBASE - BIRPAR RECEIPT (from TILL 132KV-GEYLEGPHU 132KV-GEYLEGPHU 132KV-TANAKPUR(MAHENDRANAGAR 400KV-MUZAFFARI DC 132KV-BIHAR - NEP	56	34 0 0 0 WR-NR 0 804 947 1763 0 0 0 71 WR-SR Max (MW) 666 1013 270 -98 -66 -73 -232	0.5 0.0 0.0 0.0 11.8 0.0 11.8 0.0 11.8 0.0 11.8 0.0 10 10 10 10 10 10 10 10 10 10 10 10 10	0.0 0.0 1213.9 0.0 122.9 0.0 0.0 222.5 0.0 0.0 0.0 35.3 Importe Avg (MW) 573 879 230 -41 -53 -46 -126	0.0 0.0 1.0 1.18 1.18 -12.9 1.18 -12.5 1.66 0.0 1.0 5.9 +ve/Export(-ve) Energy Exchange (MU) 13.8 21.1 5.5 -1.0 -1.3 -1.1
17 18 19 1 1 1 1 1 1 1 1	220 kV 132 kV 132 kV 132 kV 132 kV Weport of WR HVDC 765 kV 400 kV 220 kV 220 kV	MALANPUR-AURAIVA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WHIS SRI BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI ER ER ER NER NER NER	TERNATIONAL EX I 1 1 TERNATIONAL EX Line 400kV MANGDECHI Lie. ALIPUDIAR RI MANGDECHU HEP. 400kV TALA-BINAG MALBASE - BINAGG MALBASE - BINAGG MALBASE - BIRPAR RECEIPT (from TAL 132kV-GEYLEGPHI 132kV-GEYLEGPHI 132kV Motanga-Rang 132kV-TANAKPUR(MAHENDRANAGAR 400kV-MUZAFFARI DC	56	34 0 0 0 WR-NR 804 947 1763 0 0 0 71 WR-SR Max (MW) 666 1013 270 -98 -66	0.5 0.0 0.0 0.0 11.8 0.0 11.8 0.0 11.8 0.0 11.8 0.0 14.2 Min (MW)	0.0 0.0 12.9 0.0 12.9 0.0 22.5 0.0 0.0 0.0 0.0 35.3 Importe Avg (MW) 573 879 230 -41 -53	0.0 0.0 1.0 1.1.8 -12.9 11.8 -12.9 11.8 -22.5 16.6 0.0 1.0 5.9 +ve)/Export(-ve) Energy Exchange (MII) 13.8 21.1 5.5 -1.0 -1.3 -1.1
17	220 kV 132 kV 132 kV 132 kV 133 kV 133 kV 193 kV 193 kV 195 kV 19	MALANPUR-AURAIVA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SRI EHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI ER ER ER NER NER NER NER NER N	TERNATIONAL EX Line 400KV MANGDECHH 1c. ALIPURDUAR RI MANGDECHU HEP 400KV TALA-BINAG MALBASE - BINAGG MALBASE - BINAGG MALBASE - BIRPAR RECEIPT (from TILL 132KV-GEYLEGPHU 132KV-GEYLEGPHU 132KV-TANAKPUR(MAHENDRANAGAR 400KV-MUZAFFARI DC 132KV-BIHAR - NEP	56	34 0 0 0 WR-NR 0 804 947 1763 0 0 71 WR-SR Max (MW) 666 1013 270 -98 -66 -73 -232 -8	0.5 0.0 0.0 0.0 51.1 11.8 0.0 11.8 0.0 11.8 0.0 16.6 0.0 1.0 1.0 41.2 Min (MW)	0.0 0.0 12.9 0.0 12.9 0.0 22.5 0.0 0.0 0.0 0.0 35.3 Importe Avg (MW) 573 879 230 -41 -53 -46 -126	0.0 0.0 0.0 1.8 -162.9 11.8 -12.9 11.8 -22.5 16.6 0.0 1.0 5.9 +ve)/Export(-ve) Energy Exchange (MII) 13.8 21.1 5.5 -1.0 -1.3 -1.1 -3.0 -0.1
17	220 kV 132 kV 132 kV 132 kV 132 kV Weport of WR HVDC 765 kV 400 kV 220 kV 220 kV	MALANPUR-AURAIVA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI BB RAJGAHP-UGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI ROHAPUR-GHIKODI PONDA-AMBEWADI IN Region ER ER ER NER NER NER NER NER	TERNATIONAL EM Line 400KV MANGDECHI 400KV MANGDECHI 400KV MANGDECHU HEP 400KV TALA BINAG MALBASE - BINAGG MALBASE - BINAGG MALBASE - BINAGG MALBASE - BIRPAR RECEIPT (from TAL 132KV-GEYLEGPHU 132KV-GEYLEGPHU 132KV-TANAKPUR(MAHENDRANAGAR 400KV-MUZAFFARI DC 132KV-BIHAR - NEP	56 0 0 0 1663 0 1663 0 1086 0 0 1 1 1 1 1 1 1 1 1 1	34 0 0 0 WR-NR 0 804 947 1763 0 0 0 71 WR-SR Max (MW) 666 1013 270 -98 -66 -73 -232	0.5 0.0 0.0 0.0 11.8 0.0 11.8 0.0 11.8 0.0 11.8 0.0 10 10 10 10 10 10 10 10 10 10 10 10 10	0.0 0.0 1213.9 0.0 122.9 0.0 0.0 222.5 0.0 0.0 0.0 35.3 Importe Avg (MW) 573 879 230 -41 -53 -46 -126	0.0 0.0 1.0 1.18 1.18 -12.9 1.18 -12.5 1.66 0.0 1.0 5.9 +ve/Export(-ve) Energy Exchange (MU) 13.8 21.1 5.5 -1.0 -1.3 -1.1
17	220 kV 132 kV 132 kV 132 kV 133 kV 133 kV 193 kV 193 kV 195 kV 19	MALANPUR-AURAIVA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI BB RAJGAHP-UGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-HKODI PONDA-AMBEWADI IN Region ER ER ER NER NER NER NER	TERNATIONAL EX I I I I I I I I I I I I I	56 0 0 0 1 1 1663 1663 0 1086 0 0 1 1 1 1 1 1 1 1 1 1	34 0 0 0 WR-NR 0 804 947 1763 0 0 0 71 WR-SR Max (MW) 666 1013 270 -98 -66 -73 -232 -8 -921	0.5 0.0 0.0 0.0 1.1.8 0.0 11.8 0.0 11.8 0.0 11.8 0.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	0.0 0.0 1213.9 0.0 122.9 0.0 0.0 222.5 0.0 0.0 0.0 0.0 35.3 Importe Avg (MW) 573 879 230 -41 -53 -46 -741 -56	0.0 0.0 1.0 0.0 1.18 11.8 12.9 14.8 1.8 1.6.6 0.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
17	220 kV 132 kV 132 kV 132 kV 133 kV 133 kV 193 kV 193 kV 195 kV 19	MALANPUR-AURAIVA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SRI EHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI ER ER ER NER NER NER NER NER N	TERNATIONAL EX Line 400kV MANGDECHI Le. ALIPURDUAR RI MANGDECHU HEP 400kV TALA-BINAG MALBASE - BINAGI MALBASE - BINAGI 132kV-CHUKHIA-BIR RECEIPT (from CHL 132kV-GEYLEGPHI 132kV-TANAKPURG MAHENDRANAGAR 400kV-MUZAFFARI DC 132kV-BIHAR - NEP BHERAMARA HVDG 132kV-SURAJMANI COMILLA(BANGLA	56	34 0 0 0 WR-NR 0 804 947 1763 0 0 71 WR-SR Max (MW) 666 1013 270 -98 -66 -73 -232 -8	0.5 0.0 0.0 0.0 51.1 11.8 0.0 11.8 0.0 11.8 0.0 16.6 0.0 1.0 1.0 41.2 Min (MW)	0.0 0.0 12.9 0.0 12.9 0.0 22.5 0.0 0.0 0.0 0.0 35.3 Importe Avg (MW) 573 879 230 -41 -53 -46 -126	0.0 0.0 0.0 1.8 -162.9 11.8 -12.9 11.8 -22.5 16.6 0.0 1.0 5.9 +ve)/Export(-ve) Energy Exchange (MII) 13.8 21.1 5.5 -1.0 -1.3 -1.1 -3.0 -0.1