

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

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

Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 28th April 2023

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
- 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 27.04.2023.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 27-अप्रैल-2023 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रा॰भा॰प्रे॰के॰ की वेबसाइट पर उप्लब्ध है |

As per article 5.5.1 of the Indian Electricity Grid Code, the daily report pertaining power supply position of All India Power System for the date 27th April 2023, is available at the NLDC website.

धन्यवाद.

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



Report for previous day
A. Power Supply Position at All India and Regional level

Date of Reporting:

	NR	WR	SR	ER	NER	TOTAL
Demand Met during Evening Peak hrs(MW) (at 20:00 hrs; from RLDCs)	52217	58439	49111	23678	2867	186312
Peak Shortage (MW)	80	0	0	0	18	98
Energy Met (MU)	1212	1392	1175	529	53	4361
Hydro Gen (MU)	179	27	76	37	8	327
Wind Gen (MU)	15	70	32		-	116
Solar Gen (MU)*	100.29	63.97	109.48	2.53	1.16	277
Energy Shortage (MU)	0.24	0.00	0.00	1.11	1.52	2.87
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	54108	64466	55896	24205	2908	196240
Time Of Maximum Demand Met (From NLDC SCADA)	00:00	15:11	11:22	00:01	18:41	15:00

B. Frequency P	rofile (%)						
Region	FVI	< 49.7	49.7 - 49.8	49.8 - 49.9	< 49.9	49.9 - 50.05	> 50.05
All India	0.055	0.03	0.96	8.99	9.99	71.65	18.37

		Max.Demand	Shortage during	Energy Met	Drawal	OD(+)/UD(-)	Max OD	Energy
Region	States	Met during the dav(MW)	maximum Demand(MW)	(MU)	Schedule (MU)	(MU)	(MW)	Shortage (MU)
	Punjab	7153	0	153.1	34.5	-1.0	107	0.00
	Haryana	7615	0	159.3	100.8	-2.0	272	0.00
	Rajasthan	13190	0	265.1	81.7	-4.9	271	0,00
	Delhi	4626	0	94.1	88.2	-3.2	24	0.04
NR	UP	18966	0	406.8	153.3	-1.1	359	0.00
	Uttarakhand	2023	0	43.2	26.4	-0.7	193	0.08
	HP	1576	4	30.0	14.4	-0.6	75	0.05
	J&K(UT) & Ladakh(UT)	2839	0	52.5	36.2	0.0	169	0.07
	Chandigarh	218	0	4.5	4.8	-0.3	12	0.00
	Railways_NR ISTS	171	0	3.8	3.2	0.6	42	0.00
	Chhattisgarh	4791	0	107.2	51.9	-2.3	187	0.00
	Gujarat	21064	0	447.3	217.6	-1.3	633	0.00
	MP	10210	0	210.8	101.5	-1.7	541	0.00
WR	Maharashtra	25976	0	551.1	204.8	-2.5	758	0.00
	Goa	717	0	15.3	15.2	-0.5	45	0.00
	DNHDDPDCL	1238	0	28.3	28.4	-0.1	54	0.00
	AMNSIL	857	0	19.2	8.3	0.1	294	0.00
	BALCO	520	0	12.4	12.4	0.0	9	0.00
	Andhra Pradesh	11505	0	232.9	95.8	-1.6	380	0.00
	Telangana	8623	0	177.9	55.9	-0.6	485	0.00
SR	Karnataka	15188	0	289.5	122.1	0.4	757	0.00
	Kerala	4366	0	90.1	70.4	-0.4	266	0.00
	Tamil Nadu	17282	0	374.6	231.6	-0.7	404	0.00
	Puducherry	453	0	9.9	10.0	-0.8	46	0.00
	Bihar	6055	0	114.8	105.6	-1.2	307	0.63
	DVC	3728	0	77.9	-46.9	0.3	282	0.00
	Jharkhand	1719	0	32.8	27.1	-1.3	267	0.48
ER	Odisha	5874	0	119.9	42.3	-0.8	447	0.00
	West Bengal	8912	0	182.0	52.1	-4.8	293	0.00
	Sikkim	93	0	1.5	1.3	0.2	67	0.00
	Arunachal Pradesh	158	0	2.8	2.2	0.5	63	0.00
	Assam	1885	0	33.4	27.1	0.1	151	0.00
	Manipur	199	0	2.6	2.6	0.1	25	0.00
NER	Meghalaya	306	65	5.1	3.3	0.0	71	1.52
	Mizoram	119	0	1.9	1.4	-0.1	11	0.00
	Nagaland	152	0	2.4	2.4	0.0	10	0.00
	Tripura	267	0	4.9	4.6	0.2	85	0.00

D. Transnational Exchanges (MU) - Import(+ve)/Export(-ve)				
	Bhutan	Nepal	Bangladesh	Godda -> Bangladesh
Actual (MU)	-3.4	-15.6	-16.0	-7.3
Day Peak (MW)	-229.1	-707.9	-1061.0	-546.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	159.3	-235.4	185.3	-114.2	4.9	0.0
Actual(MU)	152.9	-218.4	186.8	-130.6	6.0	-3.3
O/D/U/D(MU)	-6.4	17.0	1.4	-16.4	1.1	-3.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	4537	7881	2788	1390	446	17042	43
State Sector	4735	10735	5256	1290	314	22330	57
Total	9272	18615	8044	2680	760	39371	100

G. Sourcewise generation (Gross) (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	765	1491	708	704	16	3683	78
Lignite	26	21	58	0	0	104	2
Hydro	179	27	76	37	8	327	7
Nuclear	29	37	48	0	0	113	2
Gas, Naptha & Diesel	16	21	6	0	29	72	2
RES (Wind, Solar, Biomass & Others)	135	135	168	3	1	442	9
Total	1149	1731	1064	744	53	4740	100
Share of RES in total generation (%)	11.71	7.77	15.83	0.38	2.18	9.31	
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	29.79	11.49	27.44	5.31	16.40	18.59	

H. All India Demand Diversity Factor

H. All Hidia Delitalid Diversity Factor	
Based on Regional Max Demands	1.027
Rased on State Max Demands	1.073

[|] Diversity factor = Sum of regional or state maximum demands / All India maximum demand

^{**}Note: All generation MU figures are gross

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

INTER-REGIONAL EXCHANGES

Import=(+ve) /Export =(-ve) for NET (MU)
Date of Reporting: 28-Apr-2023

Sl No	Y 14 Y 1	Line Details	N 601 14	M X (AMI)	M. P. James	T + 4.04TD	Date of Reporting: Export (MU)	
	Voltage Level		No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
	ort/Export of ER (V						I	
1	HVDC HVDC	ALIPURDUAR-AGRA PUSAULI B/B	2	0	0 97	0.0	0.0 2.5	0.0 -2.5
3	765 kV	GAYA-VARANASI	2	0	710	0.0	11.3	-2.5 -11.3
4	765 kV	SASARAM-FATEHPUR	1	0	497	0.0	8.5	-8.5
5		GAYA-BALIA	1	0	583	0.0	11.3 0.4	-11.3
7		PUSAULI-VARANASI PUSAULI -ALLAHABAD	1	15 0	65 109	0.0	1.9	-0.4 -1.9
8		MUZAFFARPUR-GORAKHPUR	2	128	685	0.0	6.0	-6.0
9	400 kV	PATNA-BALIA	2	0	536	0.0	10.5	-10.5
10 11	400 kV 400 kV	NAUBATPUR-BALIA	2	0 166	562 289	0.0	9.0	-9.0 -1.0
12		BIHARSHARIFF-BALIA MOTIHARI-GORAKHPUR	2	0	440	0.0	6.8	-6.8
13	400 kV	BIHARSHARIFF-VARANASI	2	5	331	0.0	4.2	-4.2
14	220 kV	SAHUPURI-KARAMNASA	1	0	171	0.0	2.9	-2.9
15 16		NAGAR UNTARI-RIHAND GARWAH-RIHAND	1	0 25	0	0.0	0.0	0.0
17		KARMANASA-SAHUPURI	i	0	0	0.0	0.0	0.0
18	132 kV	KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0
					ER-NR	0.4	76.3	-75.9
	ort/Export of ER (V							
1		JHARSUGUDA-DHARAMJAIGARH	4	1224 706	0 700	14.8 2.8	0.0	14.8 2.8
3		NEW RANCHI-DHARAMJAIGARH JHARSUGUDA-DURG	2	0	532	0.0	8.9	-8.9
4		JHARSUGUDA-RAIGARH	4	0	564	0.0	8.4	-8.4
- 5	400 kV	RANCHI-SIPAT	2	160	196	0.0	0.3	-0.3
6		BUDHIPADAR-RAIGARH	1	0	56	0.0	1.5	-1.5
7	220 kV	BUDHIPADAR-KORBA	22	83	0 ER-WR	13.7	0.0 19.1	1.1 -0.4
Imno	ort/Export of ER (V	With SR)			LK-11K	10./	1/.1	-0.4
1		JEYPORE-GAZUWAKA B/B	2	0	548	0.0	11.9	-11.9
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1643	0.0	39.6	-39.6
3	765 kV	ANGUL-SRIKAKULAM	2	0	2810	0.0	55.4	-55.4
4	400 kV 220 kV	TALCHER-I/C BALIMELA-UPPER-SILERRU	2	258 0	0	4.9 0.0	0.0	4.9 0.0
	220 KV	DALIMELA-UFFER-SILEKKU	11	ı d	ER-SR	0.0	106.9	-106.9
Impo	ort/Export of ER (V	With NER)			IAC-SK	0.0	1000	-100.7
1		BINAGURI-BONGAIGAON	2	111	69	0.6	0.2	0.4
2	400 kV	ALIPURDUAR-BONGAIGAON	2	440	95	3.8	0.0	3.8
3	220 kV	ALIPURDUAR-SALAKATI	2	93	10	1.0	0.0	1.0
T	-4/E	AWAL NID			ER-NER	5.4	0.2	5.2
	ort/Export of NER							
1	HVDC	BISWANATH CHARIALI-AGRA	1 2	482	0 NER-NR	11.5	0.0	11.5
Impo	ort/Export of WR (With NR)			NER-NK	11.5	0.0	11.5
1mpo		CHAMPA-KURUKSHETRA	,	0	1506	0.0	34.9	-34,9
2		VINDHYACHAL B/B		441	0	12.1	0.0	12.1
3	HVDC	MUNDRA-MOHINDERGARH	2	0	304	7.2	0.0	7.2
4	765 kV	GWALIOR-AGRA	2	0	2061	0.0	31.0 26.0	-31.0
5 6	765 kV 765 kV	GWALIOR-PHAGI JABALPUR-ORAI	2	0	1515 783	0.0	26.0 22.9	-26.0 -22.9
7		GWALIOR-ORAI	ĩ	858	0	17.4	0.0	17.4
8	765 kV	SATNA-ORAI	1	0	888	0.0	19.4	-19.4
9		BANASKANTHA-CHITORGARH	2	1450	9	18.9	0.0	18.9
10		VINDHYACHAL-VARANASI	2	0 274	2522	0.0	41.9 0.0	-41.9
11		ZERDA-KANKROLI ZERDA-BHINMAL	i	508	27	4.3 5.6	0.0	4.3 5.6
13		VINDHYACHAL -RIHAND	ī	962	0	22.1	0.0	22.1
14	400 kV	RAPP-SHUJALPUR	2	249	426	0.8	2.9	-2.1
15 16	220 kV 220 kV	BHANPURA-RANPUR BHANPURA-MORAK	1	0	30	0.0	0.0 1.9	0.0 -1.9
17		MEHGAON-AURAIYA	1	59	7	0.5	0.0	0.5
18		MALANPUR-AURAIYA	î	43	19	0.3	0.0	0.3
19	132 kV	GWALIOR-SAWAI MADHOPUR	1	0	0	0.0	0.0	0.0
20	132 kV			0				
Tourne		RAJGHAT-LALITPUR			0 XVD XVD	0.0	0.0	0.0
1	nt/Ermont of WD (WR-NR			0.0 -91.7
	ort/Export of WR (With SR)			WR-NR	0.0 89.3	0.0 181.0	-91.7
2	HVDC		2	0		0.0	0.0	
3	HVDC HVDC 765 kV	With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR	2 2	0 280	WR-NR 1005 5015 1324	0.0 89.3 0.0 0.0 0.3	0.0 181.0 24.0 87.8 11.5	-91.7 -24.0 -87.8 -11.2
3 4	HVDC HVDC 765 kV 765 kV	With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD	2 2 2 2	0 280 0	WR-NR 1005 5015 1324 1884	0.0 89.3 0.0 0.0 0.3 0.0	0.0 181.0 24.0 87.8 11.5 27.7	-91.7 -24.0 -87.8 -11.2 -27.7
5	HVDC HVDC 765 kV 765 kV 400 kV	With SR) BHADRAWATI RB RAIGARI-PUGALUR SOLAPUR-RAIGUR WARDHA-NIZAMABAD KOLHAPUR-RUIGI	2 2 2 2 2 2	0 280 0 1105	WR-NR 1005 5015 1324 1884 0	0.0 89.3 0.0 0.0 0.3 0.0 20.9	0.0 181.0 24.0 87.8 11.5 27.7 0.0	-91.7 -24.0 -87.8 -11.2 -27.7 -20.9
2 3 4 5 6	HVDC HVDC 765 kV 765 kV 400 kV 220 kV	With SR) BHADRAWATI RB: RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NUZAMABAD KOLHAPUR-RUDGI KOLHAPUR-CHIKODI	2 2 2 2 2 2 2	0 280 0	WR-NR 1005 5015 1324 1884	0.0 89.3 0.0 0.0 0.3 0.0 20.9	0.0 181.0 24.0 87.8 11.5 27.7	-91.7 -24.0 -87.8 -11.2 -27.7 20.9 0.0
5	HVDC HVDC 765 kV 765 kV 400 kV 220 kV	With SR) BHADRAWATI RB RAIGARI-PUGALUR SOLAPUR-RAIGUR WARDHA-NIZAMABAD KOLHAPUR-RUIGI	2 2 2 2 2 2 2 1	0 280 0 1105	WR-NR 1005 5015 1324 1884 0 0 134	0.0 89.3 0.0 0.0 0.3 0.0 20.9 0.0 2.7	0.0 181.0 24.0 87.8 11.5 27.7 0.0 0.0	-91.7 -24.0 -87.8 -11.2 -27.7 -20.9 -0.0 -0.0 -2.7
5	HVDC HVDC 765 kV 765 kV 400 kV 220 kV	With SR) BHADRAWATI RB RAIGARH-PUGALUR SOLAPUR-RAIGHUR WARDHA-NIZ-AMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI	2 2 2 2 2 2 2 1	0 280 0 1105 0	WR-NR 1005 5015 1324 1884 0 0	0.0 89.3 0.0 0.0 0.3 0.0 20.9 0.0	0.0 181.0 24.0 87.8 11.5 27.7 0.0 0.0	-91.7 -24.0 -87.8 -11.2 -27.7 -20.9 -0.0 -0.0
5	HVDC HVDC 765 kV 765 kV 400 kV 220 kV	WITH SR) BHADRAWATI RT RAIGARH-PIGALIR SOLAPUR-RAIGHUR WARDIR-NIZ-MAMBAD WARDIR-NIZ-MAMBAD WARDIR-NIZ-MAMBAD WARDIR-NIZ-MAMBAD WARDIR-NIZ-MAMBAD WARDIR-NIZ-MAMBAD WARDIR-NIZ-MAMBAD WARDIR-NIZ-MAMBAD XELDEM-AMBEWADI	2 2 2 2 2 2 2 1 1 1 TERNATIONAL EX	0 280 0 1105 0 0	WR-NR 1005 5015 1324 1884 0 0 134	0.0 89.3 0.0 0.0 0.3 0.0 20.9 0.0 2.7	0.0 181.0 24.0 87.8 11.5 27.7 0.0 0.0 0.0 151.0	-91.7 -24.0 -87.8 -11.2 -27.7 -20.9 -0.0 -0.0 -2.7 -127.0
5	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV	WITH SR) BHADRAWATI BY RAIGARH-PIGALUR SOLAPUR-RAIGHUR WARDHA-VIZ-AMABAD KOLIAPUR-RAIGHUR K		0 280 0 1105 0 0 0	WR-NR 1005 5015 1324 1884 0 0 134 WR-SR	0.0 89.3 0.0 0.0 0.3 0.0 20.9 0.0 0.0 2.7 24.0	0.0 181.0 24.0 87.8 11.5 27.7 0.0 0.0 0.0 151.0 Imports	-91.7 -24.0 -87.8 -11.2 -27.7 -20.9 -0.0 -0.0 -2.7
5	HVDC HVDC 765 kV 765 kV 400 kV 220 kV	WITH SR) BHADRAWATI RT RAIGARH-PIGALIR SOLAPUR-RAIGHUR WARDIR-NIZ-MAMBAD WARDIR-NIZ-MAMBAD WARDIR-NIZ-MAMBAD WARDIR-NIZ-MAMBAD WARDIR-NIZ-MAMBAD WARDIR-NIZ-MAMBAD WARDIR-NIZ-MAMBAD WARDIR-NIZ-MAMBAD XELDEM-AMBEWADI	Line	0 280 0 1105 0 0 0 CHANGES	WR-NR 1005 5015 1324 1884 0 0 134	0.0 89.3 0.0 0.0 0.3 0.0 20.9 0.0 2.7	0.0 181.0 24.0 87.8 11.5 27.7 0.0 0.0 0.0 151.0	-91.7 -24.0 -87.8 -11.2 -27.7 -20.9 -0.0 -0.0 -2.7 -127.0 (+ve)/Export(-ve)
5	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV	With SR) BHADRAWATI BT BHADRAWATI BT RAHGARH-PIGALI'R SOLAPIR-RAHCHUR WARDHA-NIZ-WAMARAD KOHAPIR-KUDGI KOHAPIR-KUDGI KOHAPIR-KUDGI KOHAPIR-KUDGI KOHAPIR-KUDGI VELDEM-AMBEWADI IN REgion	Line 400kV MANGDECHHU-	0 280 0 1105 1105 0 0 0 CHANGES Name	WR-NR 1005 5015 1324 1884 0 0 0 0 0 WR-SR Max (MW)	0.0 89.3 0.0 0.0 0.0 0.0 20.9 0.0 0.0 2.7 24.0 Min (MW)	0.0 181.0 24.0 87.8 11.5 27.7 0.0 0.0 0.0 151.0 Import(Avg (MW)	-91.7 -24.0 -87.8 -91.2 -92.7 -90.9 -00.0 -0.0 -127.0 -ve)/Export(-ve) Energy Exchange
5	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV	WITH SR) BHADRAWATI BY RAIGARH-PIGALUR SOLAPUR-RAIGHUR WARDHA-VIZ-AMABAD KOLIAPUR-RAIGHUR K	Line 400kV MANGDECHHU-ALIPURDUAR RECEIPT	0 280 0 1105 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	WR-NR 1005 5015 1324 1884 0 0 134 WR-SR	0.0 89.3 0.0 0.0 0.3 0.0 20.9 0.0 0.0 2.7 24.0	0.0 181.0 24.0 87.8 11.5 27.7 0.0 0.0 0.0 151.0 Imports	-91.7 -24.0 -87.8 -87.8 -11.2 -27.7 -20.9 -0.0 -0.0 -2.7 -127.0 +ve)/Export(-ve) Energy Exchange
5	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV	With SR) BHADRAWATI RE RAIGARH-PIGALUR SOLAPUR-RAIGHUR WARDHA-NIZAMBAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER	Line 400kV MANGDECHHU-A ALIPURDUAR RECEIP1 HEP 4*180MW) 400kV TALA-BINAGURI	0 280 0 1105 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	WR-NR 1005 5015 13124 13884 0 0 0 134 WR-SR Max (MW) -126	0.0 89.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 181.0 240 87.8 11.5 27.7 0.0 0.0 0.0 151.0 Import(Avg (MW) -76	-91.7 -24.0 -87.8 -87.8 -11.2 -27.7 -20.9 -0.0 -0.2 -127.0 +ve)/Export(-ve) Energy Exchange (MU) -1.81
5	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV	With SR) BHADRAWATI BT BHADRAWATI BT RAHGARH-PIGALI'R SOLAPIR-RAHCHUR WARDHA-NIZ-WAMARAD KOHAPIR-KUDGI KOHAPIR-KUDGI KOHAPIR-KUDGI KOHAPIR-KUDGI KOHAPIR-KUDGI VELDEM-AMBEWADI IN REgion	Line 400kV MANGDECHHU ALIPURDUAR RECEIP1 HEP 4*180MW) 400kV TALA-BINAGURI MALBASE - BINAGURI	0 280 0 1105 0 0 0 0 0 CHANGES Name LIPURDIAR 1,2&3 Le. (from MANGDECHU 1,2,4 (K 400KV)	WR-NR 1005 5015 1324 1884 0 0 0 0 0 WR-SR Max (MW)	0.0 89.3 0.0 0.0 0.0 0.0 20.9 0.0 0.0 2.7 24.0 Min (MW)	0.0 181.0 24.0 87.8 11.5 27.7 0.0 0.0 0.0 151.0 Import(Avg (MW)	-91.7 -24.0 -87.8 -10.2 -7 -20.9 -0.0 -0.0 -2.7 -127.0 Energy Exchange
5	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV	With SR) BHADRAWATI RE RAIGARH-PIGALUR SOLAPUR-RAIGHUR WARDHA-NIZAMBAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER	Line 400kV MANGDECHHU ALIPURDUAR RECEIP1 HEP 4*180MW) 400kV TALA-BINAGURI MALBASE - BINAGURI	0 280 0 1105 0 0 0 0 0 CHANGES Name LIPURDIAR 1,2&3 Le. (from MANGDECHU 1,2,4 (K 400KV)	WR-NR 1005 5015 13124 13884 0 0 0 134 WR-SR Max (MW) -126	0.0 89.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 181.0 240 87.8 11.5 27.7 0.0 0.0 0.0 151.0 Import(Avg (MW) -76	-91.7 -24.0 -87.8 -11.2 -27.7 -20.9 -0.0 -0.0 -2.7 -127.0 +ve)/Export(-ve) Energy Exchange
5	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV State	With SR) BHADRAWATI BR RAICARH-PIGALUR SOLAPUR-RAICHUR WARDHA-NUAMBAD KOHAPUR-RHIODH FONDA-AMBEWADI NELDEM-AMBEWADI IN Region ER	Line 400kV MANGDECHHU ALIPURDUAR RECEIPI HEP 4*180MW) 400kV TALA-BINAGURI MALBASE - BINAGURI RECEIPT (from TALA H RECEIPT (HOW TALA H RECEIPT (FROM TALA H	0 280 0 1105 0 0 0 0 0 0 CHANGES Name LAPURDUAR 1,2&3 tc. (from MANGDECHU 1,2,4 (x 4006V 1).e. BINAGURI FF 6+170AUV) KA 1&2 (& 2206V	WR-NR 1005 5015 1324 1884 0 0 0 134 WR-SR Max (MW) -126	0.0 89,3 0.0 0.0 0.3 0.0 20,9 0.0 2.7 24,0 Min (MW)	0.0 181.0 240 87.8 11.5 27.7 0.0 0.0 0.0 151.0 Importi Avg (MW) -76	-91.7 -24.0 -87.8 -11.2 -27.7 -20.9 -0.0 -0.0 -1.27 -127.0 +ve)/Export(-ve) Energy Exchange (MII) -1.81
5	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV	With SR) BHADRAWATI RE RAIGARH-PIGALUR SOLAPUR-RAIGHUR WARDHA-NIZAMBAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER	Line 400kV MANGDECHHU ALIPURDUAR RECEIP1 HEP 4*180MW) 400kV TALA-BINAGURI MALBASE - BINAGURI	0 280 0 1105 0 0 1105 0 0 CHANGES Name LIPURDUAR 1,2&3 1.e. (from MANGDECHU 1,2,4 (& 4000); 1,2,4 (& 4000); 4 (82,6 (& 2200); 4 (82,6 (& 2200); 6 BIRPARA RECEIPT	WR-NR 1005 5015 13124 13884 0 0 0 134 WR-SR Max (MW) -126	0.0 89.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 181.0 240 87.8 11.5 27.7 0.0 0.0 0.0 151.0 Import(Avg (MW) -76	-91.7 -24.0 -87.8 -87.8 -11.2 -27.7 -20.9 -0.0 -0.2 -127.0 +ve)/Export(-ve) Energy Exchange (MU) -1.81
5	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV State	With SR) BHADRAWATI RR RAIGARH-PIGALUR SOLAPUR-RAIGHUR WARDHA-NIZAMBAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER	Line 400kV MANGDECHHU- ALIPURDUAR RECEIPT HEP 4*180MV) 400kV TALA-BINAGURI MALBASE - BINAGURI RECEIPT (from TALA H 20kV CHUKHA-BIRPA) MALBASE - BIRPARA) i(from CHUKHA HEP 4*8	0 280 0 1105 0 0 1105 0 0 0 CHANGES Name LIPURDUAR 1,2&3 1.e. (from MANGDECHU 1,2 (& 4000). 1,2 (& 4000). K 152 (2 220). K 152 (2 220). L e. BIRPARA RECEIPT 4MW)	WR-NR 1005 5015 1024 1034 1884 0 0 0 WR-SR WR-SR Max (MW) -126 319	0.0 89.3 0.0 0.0 0.3 0.0 20.9 0.0 2.7 24.0 Min (MW)	0.0 181.0 24.0 87.8 11.5 27.7 0.0 0.0 0.0 151.0 Import(Avg (MW) -76	-91.7 -240 -878 -878 -11.2 -27.7 -20.9 -0.0 -0.0 -2.7 -127.0 -127.0 -128 -181 -1.81 -1.81
5	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV State	With SR) BHADRAWATI BR RAICARH-PIGALUR SOLAPUR-RAICHUR WARDHA-NUAMBAD KOHAPUR-RHIODH FONDA-AMBEWADI NELDEM-AMBEWADI IN Region ER	Line 400KV MANGDECHHU ALIPURDUAR RECEIP1 HEP 49180MW, 400KV TAL-A BINAGURI MALBASE - BINAGURI RECEIPT (from TAL-A H 220kV CHUKHA-BIRPA) MALBASE - BIRPARA);	0 280 0 1105 0 0 1105 0 0 0 CHANGES Name LIPURDUAR 1,2&3 1.e. (from MANGDECHU 1,2 (& 4000). 1,2 (& 4000). K 152 (2 220). K 152 (2 220). L e. BIRPARA RECEIPT 4MW)	WR-NR 1005 5015 1324 1884 0 0 0 134 WR-SR Max (MW) -126	0.0 89,3 0.0 0.0 0.3 0.0 20,9 0.0 2.7 24,0 Min (MW)	0.0 181.0 240 87.8 11.5 27.7 0.0 0.0 0.0 151.0 Importi Avg (MW) -76	-91.7 -24.0 -87.8 -91.7 -20.9 -0.0 -0.0 -0.0 -1.27 -1.27.0 -1.81
5	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV State	With SR) BHADRAWATI RR RAIGARH-PIGALUR SOLAPUR-RAIGHUR WARDHA-NIZAMBAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER	Line 400kV MANGDECHHU- ALIPURDUAR RECEIPT HEP 4*180MV) 400kV TALA-BINAGURI MALBASE - BINAGURI RECEIPT (from TALA H 20kV CHUKHA-BIRPA) MALBASE - BIRPARA) i(from CHUKHA HEP 4*8	0 280 0 1105 0 0 1105 0 0 0 CHANGES Name LIPURDUAR 1,2&3 1.e. (from MANGDECHU 1,2 (& 4000). 1,2 (& 4000). K 152 (2 220). K 152 (2 220). L e. BIRPARA RECEIPT 4MW)	WR-NR 1005 5015 1024 1034 1884 0 0 0 WR-SR WR-SR Max (MW) -126 319	0.0 89.3 0.0 0.0 0.3 0.0 20.9 0.0 2.7 24.0 Min (MW)	0.0 181.0 24.0 87.8 11.5 27.7 0.0 0.0 0.0 151.0 Import(Avg (MW) -76	-91.7 -240 -878 -878 -11.2 -27.7 -20.9 -0.0 -0.0 -2.7 -127.0 -127.0 -128 -181 -1.81 -1.81
5	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV State	With SR) BHADRAWATI RR RAIGARH-PIGALUR SOLAPUR-RAIGHUR WARDHA-NIZAMBAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER	Line 400kV MANGDECHHU- ALIPURDUAR RECEIPT HEP 4*180MV) 400kV TALA-BINAGURI MALBASE - BINAGURI RECEIPT (from TALA H 20kV CHUKHA-BIRPA) MALBASE - BIRPARA) i(from CHUKHA HEP 4*8	0 280 0 1105 0 0 0 0 0 0 0 CHANGES Name LAUPURDUAR 1,2&3 1e. (from MANGDECHU 1,2,4 (\$4 400kV 1).e. BINAGURI EP 6-2170MV) AK 1&2 (\$2 220kV e. BIRPARA RECEIPT 4MW)	WR-NR 1005 5015 1024 1034 1884 0 0 0 WR-SR WR-SR Max (MW) -126 319	0.0 89.3 0.0 0.0 0.3 0.0 20.9 0.0 2.7 24.0 Min (MW)	0.0 181.0 24.0 87.8 11.5 27.7 0.0 0.0 0.0 151.0 Import(Avg (MW) -76	-91.7 -240 -878 -878 -11.2 -27.7 -20.9 -0.0 -0.0 -2.7 -127.0 -127.0 +ve)/Export(-ve) Energy Exchange (MII) -1.81 3.85
5	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV State	With SR) BHADRAWATER RAIGARH-PIGALUR SOLAPUR-RAIGHUR WARDHA-NUAMBAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KELDEM-AMBEWADI TER Region ER ER ER NER	Line ALIPURDUAR RECEIPI ALIPURDUAR RECEIPI HEF 4°180MW 1ALA BINNACURI MALBASE - BINAGURI MALBASE - BINAGURI MALBASE - BIRFARA) I MALBASE - BIRFARA) 1324V GELEPHU-SALAH	0 280 0 1105 0 0 0 0 0 0 0 CHANGES Name LAUPURDUAR 1,2&3 1e. (from MANGDECHU 1,2,4 (\$4 400kV 1).e. BINAGURI EP 6-2170MV) AK 1&2 (\$2 220kV e. BIRPARA RECEIPT 4MW)	WR-NR 1005 5015 1324 1884 0 0 0 134 WR-SR Max (MW) -126 319 -303	0.0 89.3 0.0 0.0 0.0 0.3 0.0 0.0 0.0 0.0 20.9 0.0 0.0 2.7 24.0 Min (MW) 17 65	0.0 181.0 24.0 87.8 11.5 27.7 0.0 0.0 0.0 151.0 Import Avg (MW) -76 -243	-91.7 -24.0 -87.8 -87.8 -11.2 -27.7 -20.0 -0.0 -0.0 -127.0 -127.0 -+ve)/Export(-ve) Energy Exchange (MII) -1.81 3.85 -5.83
5	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV State	With SR) BHADRAWATI BR RAIGABH-PIGALUR SOLAPUR-RAIGHUR WARDHA-NUAMBAD KOHAPUR-RAIGHUR WARDHA-NUAMBAD KOHAPUR-RAIGHUR FENNDA-AMBEWADI IN Region ER ER ER NER	Line ALIPURDUAR CHECH ALIPURDUAR CHECH ALIPURDUAR CHECH HEF 4°180MW 1408V TALA-BINAGURI MALBASE - BINAGURI 1526V GELEPHU-SALAI 1526V GELEPHU-SALAI 1526V MOTANGA-RANG	0 280 0 1105 0 0 1105 0 0 0 CHANGES Name LIPURDUAR 1,2&3 Le. (from MANGDECHU 1,2,4 (& 400kV) 1,2,8 A (& 200kV) 4	WR-NR 1005 5015 1314 1884 1884 0 0 0 1344 WR-SR Max (MW) -126 319 -303	0.0 89.3 0.0 0.0 0.3 0.0 0.0 0.0 0.0 0.0 20.9 0.0 17 24.0 Min (MW) 17 65 -173	0.0 181.0 24.0 87.8 87.8 11.5 27.7 0.0 0.0 0.0 151.0 Importi Avg (MW) -76 160 -243	-91.7 -240 -878 -11.2 -27.7 -20.9 -0.0 -0.0 -2.7 -127.0 -127.0 -127.0 -127.0 -128 -181 -1.81 -1.81 -1.81 -1.81 -1.81 -1.81 -1.81
5	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV State	With SR) BHADRAWATER RAIGARH-PIGALUR SOLAPUR-RAIGHUR WARDHA-NUAMBAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-KUDGI KELDEM-AMBEWADI TER Region ER ER ER NER	Line ALIPURDUAR RECEIPI ALIPURDUAR RECEIPI HEF 4°180MW 1ALA BINNACURI MALBASE - BINAGURI MALBASE - BINAGURI MALBASE - BIRFARA) I MALBASE - BIRFARA) 1324V GELEPHU-SALAH	0 280 0 1105 0 0 1105 0 0 0 CHANGES Name LIPURDUAR 1,2&3 Le. (from MANGDECHU 1,2,4 (& 400kV) 1,2,8 A (& 200kV) 4	WR-NR 1005 5015 1324 1884 0 0 0 134 WR-SR Max (MW) -126 319 -303	0.0 89.3 0.0 0.0 0.0 0.3 0.0 0.0 0.0 0.0 20.9 0.0 0.0 2.7 24.0 Min (MW) 17 65	0.0 181.0 24.0 87.8 11.5 27.7 0.0 0.0 0.0 151.0 Import Avg (MW) -76 -243	-91.7 -24.0 -87.8 -87.8 -11.2 -27.7 -20.0 -0.0 -0.0 -127.0 -127.0 -+ve)/Export(-ve) Energy Exchange (MII) -1.81 3.85 -5.83
5	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV State	With SR) BHADRAWATI BR RAIGABH-PIGALUR SOLAPUR-RAIGHUR WARDHA-NUAMBAD KOHAPUR-RAIGHUR WARDHA-NUAMBAD KOHAPUR-RAIGHUR FENNDA-AMBEWADI IN Region ER ER ER NER	Line ALIPURDUAR CHECH ALIPURDUAR CHECH ALIPURDUAR CHECH HEF 4°180MW 1408V TALA-BINAGURI MALBASE - BINAGURI 1526V GELEPHU-SALAI 1526V GELEPHU-SALAI 1526V MOTANGA-RANG	0 280 0 1105 0 0 1105 0 0 0 CHANGES Name LIPURDUAR 1,2&3 Le. (from MANGDECHU 1,2,4 (& 400kV) 1,2,8 A (& 200kV) 4	WR-NR 1005 5015 1314 1884 1884 0 0 0 1344 WR-SR Max (MW) -126 319 -303	0.0 89.3 0.0 0.0 0.3 0.0 0.0 0.0 0.0 0.0 20.9 0.0 17 24.0 Min (MW) 17 65 -173	0.0 181.0 24.0 87.8 87.8 11.5 27.7 0.0 0.0 0.0 151.0 Import(Avg (MW) -76 160 -243 12	-91.7 -240 -878 -11.2 -27.7 -20.9 -0.0 -0.0 -2.7 -127.0 -127.0 -127.0 -127.0 -128 -181 -1.81 -1.81 -1.81 -1.81 -1.81 -1.81 -1.81
5	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV State	With SR) BHADRAWATI BR RAIGABH-PIGALUR SOLAPUR-RAIGHUR WARDHA-NUAMBAD KOHAPUR-RAIGHUR WARDHA-NUAMBAD KOHAPUR-RAIGHUR FENNDA-AMBEWADI IN Region ER ER ER NER	Line ALIPURDUAR CHECH ALIPURDUAR CHECH ALIPURDUAR CHECH HEF 4°180MW 1408V TALA-BINAGURI MALBASE - BINAGURI 1526V GELEPHU-SALAI 1526V GELEPHU-SALAI 1526V MOTANGA-RANG	0 280 0 1105 0 0 1105 0 0 0 CHANGES Name LLIPURDUAR 1,2&3 1.e. (from MANGDECHU 1,2,4 (8 4008). K 1,5 2,7 (8 220 KU 1,6 20 KU 1,6 20 KU 1,7 (8 220 KU 1,7 (8	WR-NR 1005 5015 1314 1884 1884 0 0 0 1344 WR-SR Max (MW) -126 319 -303	0.0 89.3 0.0 0.0 0.3 0.0 0.0 0.0 0.0 0.0 20.9 0.0 17 24.0 Min (MW) 17 65 -173	0.0 181.0 24.0 87.8 87.8 11.5 27.7 0.0 0.0 0.0 151.0 Importi Avg (MW) -76 160 -243	-91.7 -240 -878 -11.2 -27.7 -20.9 -0.0 -0.0 -2.7 -127.0 -127.0 -127.0 -127.0 -128 -181 -1.81 -1.81 -1.81 -1.82 -1.83
5	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV State	With SR) BHADRAWATI BE RAIGABH-PIGALUR SOLAPUR-RAIGHUR WARDHA-NIZAMBAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER NER NER	Line ALIPURDUAR RECEIPI ALIPURDUAR RECEIPI HEP 4*180MW) JOBEL TALA-BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI JOBEL TALA-H JOSEV HUKHA-BIRRA JOSEV HUKHA-BIRRA JOSEV GELEPHU-SALAI JOSEV GELEPHU-SALAI JOSEV MOTANGA-RANG JOSEV MAHENDRANAG	0 280 0 1105 0 0 1105 0 0 0 CHANGES Name LLIPURDUAR 1,2&3 1.e. (from MANGDECHU 1,2,4 (8 4008). K 1,5 2,7 (8 220 KU 1,6 20 KU 1,6 20 KU 1,7 (8 220 KU 1,7 (8	WR-NR 1005 5015 1324 1324 0 0 0 134 WR-SR Max (MW) -126 319 -303 21 37	0.0 89.3 0.0 0.0 0.3 0.3 0.0 0.0 20.9 24.0 Min (MW) 17 65 -173	0.0 181.0 24.0 87.8 87.8 11.5 27.7 0.0 0.0 0.0 151.0 Import(Avg (MW) -76 160 -243 12	-91.7 -24.0 -87.8 -11.2 -27.7 -20.9 -0.0 -0.0 -2.7 -127.0 -127.0 -127.0 -14.81 -1.81 -1.81 -1.81 -1.81 -1.81 -1.81 -1.81 -1.81
5	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV State	With SR) BHADRAWATI BR RAIGABH-PIGALUR SOLAPUR-RAIGHUR WARDHA-NUAMBAD KOHAPUR-RAIGHUR WARDHA-NUAMBAD KOHAPUR-RHINDH PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER ER NER NER NER	Line JOSEV MANGDECHINA ALIPURDUAR RECEIPH HEF 4° 180M W. JOSEP ALIPURDUAR RECEIPH HEF 4° 180M W. JOSEP ALIPURDUAR MALBASE BINACURI MALBASE BINACURI MALBASE BINACURI MALBASE BINACURI MALBASE BINACURI LITURA MALBASE BINACURI M	0 280 0 1105 0 0 0 0 0 0 0 CHANGES Name UAIPURDIAR 1,2&3 Le. (from MANGDECHU 1,2,4 (K 400KV 1).e. BINAGURI FP 6°170MW) KATI SAI AR-TANAKPUR(NHPC) BHAR)	WR-NR 1005 5015 1324 1884 0 0 0 134 WR-SR Max (MW) -126 319 -303 21 37 -79	0.0 89,3 0.0 0.0 0.3 0.0 0.0 0.0 0.0 20,9 0.0 0.0 2.7 24,0 Min (MW) 17 65 -173	0.0 181.0 240 87.8 11.5 27.7 0.0 0.0 0.0 151.0 Import Avg (MW) -76 160 -243 12 4 -68	-91.7 -24.0 -87.8 -11.2 -27.7 20.9 0.0 0.0 -127.0 +ve)/Export(-ve) Energy Exchange (MI) -1.81 3.85 -5.83 0.28 0.09 -1.64
5	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV State	With SR) BHADRAWATI BE RAIGABH-PIGALUR SOLAPUR-RAIGHUR WARDHA-NIZAMBAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER NER NER	Line ALIPURDUAR RECEIPI ALIPURDUAR RECEIPI HEP 4*180MW) JOBEL TALA-BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI JOBEL TALA-H JOSEV HUKHA-BIRRA JOSEV HUKHA-BIRRA JOSEV GELEPHU-SALAI JOSEV GELEPHU-SALAI JOSEV MOTANGA-RANG JOSEV MAHENDRANAG	0 280 0 1105 0 0 0 0 0 0 0 CHANGES Name UAIPURDIAR 1,2&3 Le. (from MANGDECHU 1,2,4 (K 400KV 1).e. BINAGURI FP 6°170MW) KATI SAI AR-TANAKPUR(NHPC) BHAR)	WR-NR 1005 5015 1324 1324 0 0 0 134 WR-SR Max (MW) -126 319 -303 21 37	0.0 89.3 0.0 0.0 0.3 0.3 0.0 0.0 20.9 24.0 Min (MW) 17 65 -173	0.0 181.0 24.0 87.8 87.8 11.5 27.7 0.0 0.0 0.0 151.0 Import(Avg (MW) -76 160 -243 12	-91.7 -24.0 -87.8 -11.2 -27.7 -20.9 -0.0 -0.0 -2.7 -127.0 -127.0 -127.0 -14.81 -1.81 -1.81 -1.81 -1.81 -1.81 -1.81 -1.81 -1.81
5	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV State	With SR) BHADRAWATI BR RAIGABH-PIGALUR SOLAPUR-RAIGHUR WARDHA-NUAMBAD KOHAPUR-RAIGHUR WARDHA-NUAMBAD KOHAPUR-RAIGHUR FONDA-AMBEWADI IN Region ER ER ER NER NER NER NER NER	Line JONEY MANGDECHINA ALIPURDUAR RECEIPI HEF 4*180AWY JONEY TALA-BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI JOSEPH JONEY J	0 280 0 1105 0 0 1105 0 0 0 CHANGES Name LIPURDUAR 1,28/3 Le. (from MANGDECHU 1,2,4 (4,400kV) 1,4 (4,400kV	WR-NR 1005 5015 1324 1884 0 0 0 1344 WR-SR Max (MW) -126 319 -303 21 37 -79 -145	0.0 89.3 0.0 0.0 0.3 0.0 0.0 0.0 0.0 0.0 0.0	0.0 181.0 24.0 87.8 87.8 11.5 27.7 0.0 0.0 0.0 151.0 Import(Avg (MW) -76 160 -243 12 4 -68 -102	-91.7 -24.0 -87.8 -87.8 -11.2 -27.7 -20.9 -0.0 -0.0 -2.7 -127.0 +ve)/Export(-ve) Energy Exchange (MII) -1.81 3.85 -5.83 0.28 0.09 -1.64 -2.46
5	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV State	With SR) BHADRAWATI BR RAIGABH-PIGALUR SOLAPUR-RAIGHUR WARDHA-NUAMBAD KOHAPUR-RAIGHUR WARDHA-NUAMBAD KOHAPUR-RHINDH PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER ER NER NER NER	Line JOSEV MANGDECHINA ALIPURDUAR RECEIPH HEF 4° 180M W. JOSEP ALIPURDUAR RECEIPH HEF 4° 180M W. JOSEP ALIPURDUAR MALBASE BINACURI MALBASE BINACURI MALBASE BINACURI MALBASE BINACURI MALBASE BINACURI LITURA MALBASE BINACURI M	0 280 0 1105 0 0 1105 0 0 0 CHANGES Name LIPURDUAR 1,28/3 Le. (from MANGDECHU 1,2,4 (4,400kV) 1,4 (4,400kV	WR-NR 1005 5015 1324 1884 0 0 0 134 WR-SR Max (MW) -126 319 -303 21 37 -79	0.0 89,3 0.0 0.0 0.3 0.0 0.0 0.0 0.0 20,9 0.0 0.0 2.7 24,0 Min (MW) 17 65 -173	0.0 181.0 240 87.8 11.5 27.7 0.0 0.0 0.0 151.0 Import Avg (MW) -76 160 -243 12 4 -68	-91.7 -24.0 -87.8 -87.8 -11.2 -27.7 -20.9 -0.0 -0.0 -127.0 -127.0 -127.0 -128.1 -1.81 -1.81 -1.83 -2.83 -2.83 -2.84 -2.46
5	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV State	With SR) BHADRAWATI BE RAIGABH-PIGALUR SOLAPUR-RAIGHUR WARDHA-NIZAMBAD KOLHAPUR-CHIKODI PONDA-AMBEWADI Region ER ER ER NER NER NER NER ER ER	Line JONEY MANGDECHINA ALIPURDUAR RECEIPI HEF 4*180AWY JONEY TALA-BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI JOSEPH JONEY J	0 280 0 1105 0 0 1105 0 0 0 CHANGES Name LIPURDUAR 1,28/3 Le. (from MANGDECHU 1,2,4 (4,400kV) 1,4 (4,400kV	WR-NR 1005 5015 1324 1884 0 0 0 1344 WR-SR Max (MW) -126 319 -303 21 37 -79 -145	0.0 89.3 0.0 0.0 0.3 0.0 0.0 0.0 0.0 0.0 0.0	0.0 181.0 24.0 87.8 87.8 11.5 27.7 0.0 0.0 0.0 151.0 Import(Avg (MW) -76 160 -243 12 4 -68 -102	-91.7 -24.0 -87.8 -87.8 -11.2 -27.7 -20.9 -0.0 -0.0 -2.7 -127.0 +ve)/Export(-ve) Energy Exchange (MII) -1.81 3.85 -5.83 0.28 0.09 -1.64 -2.46
\$ 6 7 8 8	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV State	With SR) BHADRAWATI BR RAIGABH-PIGALUR SOLAPUR-RAIGHUR WARDHA-NUAMBAD KOHAPUR-RAIGHUR WARDHA-NUAMBAD KOHAPUR-RHINDH PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER NER NER NER NER NER ER E	Line JONEY MANGDECHINA ALIPURDUAR RECEIPI HEF 4*180AWY JONEY TALA-BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI JOSEPH JONEY J	0 280 0 1105 0 0 1105 0 0 0 CHANGES Name LLIPURDUAR 1,2&3 Le. (From MANGDECHU 1,2,4 (\$ 4000); LE BINAGURI K 1,2,4 (\$ 2000); K 1,2,4 (\$ 200	WR-NR 1005 5015 1324 1884 0 0 0 1344 WR-SR Max (MW) -126 319 -303 21 37 -79 -145	0.0 89.3 0.0 0.0 0.3 0.0 0.0 0.0 0.0 0.0 0.0	0.0 181.0 24.0 87.8 87.8 11.5 27.7 0.0 0.0 0.0 151.0 Import(Avg (MW) -76 160 -243 12 4 -68 -102	-91.7 -24.0 -87.8 -87.8 -11.2 -27.7 -20.9 -0.0 -0.0 -2.7 -127.0 +ve)/Export(-ve) Energy Exchange (MII) -1.81 3.85 -5.83 0.28 0.09 -1.64 -2.46
\$ 6 7 8 8	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV BHUTAN	With SR) BHADRAWATI BE RAIGABH-PIGALUR SOLAPUR-RAIGHUR WARDHA-NIZAMBAD KOLHAPUR-CHIKODI PONDA-AMBEWADI Region ER ER ER NER NER NER NER ER ER	Line AGOKY MANGDECHINA ALIPURDUAR RECEIPI HEP 4°180MW) MOREY TALA-BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI MALBASE - BIRPARA) i (FORN CHUKHA HEP 2°2 132kV GELEPHU-SALAI 132kV MOTANGA-RANG 132kV MAHENDRANAG NEPAL IMPORT (FROM 400kV DHALKEBAR-MU BHERAMARA BB HVDG	0 280 0 1105 0 0 1105 0 0 0 CHANGES Name LLIPURDUAR 1,2&3 Le. (From MANGDECHU 1,2,4 (\$ 4000); LE BINAGURI K 1,2,4 (\$ 2000); K 1,2,4 (\$ 200	WR-NR 1005 5015 1324 1884 0 0 0 134 WR-SR Max (MW) -126 319 -303 21 37 -79 -145 -484	0.0 89,3 0.0 0.0 0.3 0.3 0.0 0.0 20,9 0.0 27 24.0 Min (MW) 17 65 -173 1 2 0 -41 -338	0.0 181.0 24.0 87.8 87.8 11.5 27.7 0.0 0.0 0.0 151.0 Import(Avg (MW) -76 160 -243 12 4 -68 -102	-91.7 -24.0 -87.8 -11.2 -27.7 -20.9 -0.0 -0.0 -1.27.0 -127.0 -127.0 -1.81 -1.81 -3.85 -5.83 -0.28 -0.09 -1.64 -1.49 -1.342
\$ 6 7 8 8	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV BHUTAN	With SR) BHADRAWATI BR RAIGABH-PIGALUR SOLAPUR-RAIGHUR WARDHA-NUAMBAD KOHAPUR-RAIGHUR WARDHA-NUAMBAD KOHAPUR-RAIGHOB PONDA-AMBEWADI XELDEM-AMBEWADI RE ER ER NER NER NER NER NER	Line JOSEV MANGDECHINA ALIPURDUAR RECEIPI HEF 4'180AW) MORY TALE-HINAGURI MALBASE - BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI MALBASE - BIRPARA) 132kV GELEPHU-SALAH 132kV GELEPHU-SALAH 132kV MOTANGA-RANG NEPAL IMPORT (FROM 400kV DHALKEBAR-MU BHERAMARA B/B HVD 400kV GODDA_TPS-RAI	0 280 0 1105 0 0 1105 0 0 0 CHANGES Name LIPURDUAR 1,2&3 Le. (from MANGDECHU 1,2,4 (& 400kV) 1,2,4 (& 200kV) 1,2,4 (& 200kV) 1,2,4 (& 400kV) 1,3 (& 1,2 (& 2) (&	WR-NR 1005 5015 1324 1884 0 0 1324 1884 1884 0 10 134 WR-SR Max (MW) -126 319 -303 21 37 -79 -145 -484 -921 -546	0.0 89,3 0.0 0.0 0.3 0.0 0.3 0.0 0.0 20,9 0.0 2.7 24,0 Min (MW) 17 65 -173 1 2 0 -41 -338	0.0 181.0 240 87.8 87.8 11.5 27.7 0.0 0.0 0.0 151.0 Import Avg (MW) -76 160 -243 12 4 -68 -102 -479 -304	-91.7 -24.0 -34.0 -87.8 -11.2 -27.7 -20.0 -0.0 -0.0 -127.0 -127.0 -127.0 -128.1 -1.81 -1.81 -3.85 -5.83 -5.83 -6.28 -6.09 -1.64 -1.49 -1.342 -7.30
\$ 6 7 8 8	HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV BHUTAN	With SR) BHADRAWATI BR RAIGABH-PIGALUR SOLAPUR-RAIGHUR WARDHA-NUAMBAD KOHAPUR-RAIGHUR WARDHA-NUAMBAD KOHAPUR-RHINDH PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER NER NER NER NER NER ER E	Line AGOKY MANGDECHINA ALIPURDUAR RECEIPI HEP 4°180MW) MOREY TALA-BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI MALBASE - BIRPARA) i (FORN CHUKHA HEP 2°2 132kV GELEPHU-SALAI 132kV MOTANGA-RANG 132kV MAHENDRANAG NEPAL IMPORT (FROM 400kV DHALKEBAR-MU BHERAMARA BB HVDG	0 280 0 1105 0 0 1105 0 0 0 CHANGES Name LIPURDUAR 1,2&3 Le. (from MANGDECHU 1,2,4 (& 400kV) 1,2,4 (& 200kV) 1,2,4 (& 200kV) 1,2,4 (& 400kV) 1,3 (& 1,2 (& 2) (&	WR-NR 1005 5015 1324 1884 0 0 0 134 WR-SR Max (MW) -126 319 -303 21 37 -79 -145 -484	0.0 89,3 0.0 0.0 0.3 0.3 0.0 0.0 20,9 0.0 27 24.0 Min (MW) 17 65 -173 1 2 0 -41 -338	0.0 181.0 24.0 87.8 87.8 11.5 27.7 0.0 0.0 0.0 151.0 Import(Avg (MW) -76 160 -243 12 4 -68 -102	-91.7 -24.0 -87.8 -87.8 -11.2 -27.7 -20.0 -0.0 -0.0 -1.27.0 -127.0 -127.0 -1.81 -1.81 -3.85 -5.83 -0.28 -0.09 -1.64 -11.49 -13.42