

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

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

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Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 23rd September 2023

To,

- 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 22.09.2023.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 22-सितम्बर-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 22nd September 2023, is available at the NLDC website.

धन्यवाद,

ग्रिड कंट्रलर 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: 23-Sep-2023

	NR	WR	SR	ER	NER	TOTAL
Demand Met during Evening Peak hrs(MW) (at 20:00 hrs; from RLDCs)	70888	55353	45890	22997	2905	198033
Peak Shortage (MW)	0	0	0	89	310	399
Energy Met (MU)	1555	1285	1147	510	59	4556
Hydro Gen (MU)	292	93	73	121	33	611
Wind Gen (MU)	15	70	64	-	-	149
Solar Gen (MU)*	130.74	46.83	97.85	4.06	0.89	280
Energy Shortage (MU)	0.83	0.00	0.00	0.21	1.47	2.51
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	71545	59310	54545	24290	3177	202024
Time Of Maximum Demand Met	22:16	18:59	11:43	18:56	17:57	19:18

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	0.020	0.00	0.00	1.06	1.06	83.08	15.85

C.	Power	Supply	Position	in	States

		Max.Demand	Shortage during	Energy Met	Drawal	OD(+)/UD(-)	Max OD	Energy
Region	States	Met during the	maximum	(MII)	Schedule	(MII)	(1411)	Shortage (MU)
		day (MW)	Demand (MW)	(MU)	(MU)	(MU)	(MW)	
	Punjab	12394	0	264.1	153.3	-0.5	268	0.00
	Haryana	10685	0	229.6	161.2	-0.2	154	0.00
	Rajasthan	12906	0	287.3	89.4	-3.5	249	0.00
	Delhi	6475	0	136.0	123.6	-1.2	197	0.00
NR	UP	25039	0	497.8	220.8	-1.9	605	0.00
	Uttarakhand	2134	0	47.4	24.8	0.2	215	0.00
	HP	1724	0	35.2	8.9	0.4	125	0.36
	J&K(UT) & Ladakh(UT)	2490	0	48.0	24.2	1.9	286	0.47
	Chandigarh	341	0	6.5	6.8	-0.3	26	0.00
	Railways_NR ISTS	157	0	3.3	3.4	-0.1	39	0.00
	Chhattisgarh	4254	0	93.6	41.1	-1.7	342	0.00
	Gujarat	17743	0	364.9	164.8	0.0	709	0.00
	MP	11593	0	245.5	127.1	-3.4	438	0.00
WR	Maharashtra	24216	0	507.3	216.6	-1.2	691	0.00
	Goa	621	0	13.3	12.5	0.2	37	0.00
	DNHDDPDCL	1292	0	30.2	30.3	-0.1	45	0.00
	AMNSIL	826	0	17.6	7.2	0.3	335	0.00
	BALCO	524	0	12.5	12.5	0.0	9	0.00
	Andhra Pradesh	10207	0	218.3	124.9	-2.0	666	0.00
	Telangana	11326	0	228.5	115.4	-0.6	662	0.00
SR	Karnataka	14624	0	262.3	96.8	0.8	1063	0.00
	Kerala	3859	0	80.9	66.5	0.6	298	0.00
	Tamil Nadu	16253	0	346.4	180.8	-3.3	424	0.00
	Puducherry	455	0	10.4	9.6	0.1	74	0.00
	Bihar	5714	0	108.7	106.4	-2.2	284	0.12
	DVC	3565	0	73.9	-36.7	0.4	340	0.00
	Jharkhand	1533	0	29.4	26.9	-2.9	157	0.09
ER	Odisha	5033	0	116.3	40.3	-1.9	274	0.00
	West Bengal	8217	0	180.7	50.3	-2.4	164	0.00
	Sikkim	84	0	1.3	1.4	-0.1	7	0.00
	Railways_ER ISTS	18	0	0.2	0.1	0.0	0	0.00
	Arunachal Pradesh	163	0	2.8	2.7	-0.3	33	0.00
	Assam	2003	0	38.1	31.0	1.2	238	1.25
	Manipur	185	0	2.5	2.7	-0.2	24	0.00
NER	Meghalaya	310	0	5.6	0.9	0.0	130	0.22
	Mizoram	120	0	1.7	1.5	-0.4	6	0.00
	Nagaland	175	0	2.7	2.5	-0.2	23	0.00
	Tripura	288	0	5.2	4.9	-0.2	31	0.00

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

	Bhutan	Nepal	Bangladesh	Godda -> Bangladesh
Actual (MU)	34.8	12.5	-24.7	-24.4
Day Peak (MW)	1708.0	590.0	-1080.0	-1647.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	343.1	-290.7	172.9	-218.2	-7.1	0.0
Actual(MU)	329.3	-314.8	215.6	-229.8	-6.4	-6.0
O/D/U/D(MU)	-13.8	-24.1	42.8	-11.7	0.7	-6.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	3809	9264	4668	0	505	18245	39
State Sector	5646	13569	5652	2990	228	28085	61
Total	9454	22833	10320	2990	733	46330	100

G. Sourcewise generation (Gross) (MU)

3. Sourcewise generation (Gross) (MU)								
	NR	WR	SR	ER	NER	All India	% Share	
Coal	784	1378	637	685	13	3496	71	
Lignite	26	13	32	0	0	72	1	
Hydro	292	93	73	121	33	611	12	
Nuclear	29	53	76	0	0	159	3	
Gas, Naptha & Diesel	30	55	6	0	26	117	2	
RES (Wind, Solar, Biomass & Others)	153	118	191	6	1	468	10	
Total	1314	1710	1015	811	72	4923	100	
							-	
Share of RES in total generation (%)	11.62	6.90	18.79	0.69	1.24	9.51		
Share of Non-fossil fuel (Hydro, Nuclear and RES)	36.05	15.48	33.48	15.61	46.35	25.16		
in total generation(%)								

H.	All	India	Dei	nand	Divers	ity Facto	r
7	-	_	•		_		

Based on Regional Max Demands	1.053
Based on State Max Demands	1.086

I. All India Peak Demand and shortage at Solar and Non-Solar Hour

	Max Demand Met(MW)	Time	Shortage(MW)
Solar hr	201506	11:38	71
Non-Solar hr	202024	19:18	282

 $Diversity\ factor = Sum\ of\ regional\ or\ state\ maximum\ demands\ /\ All\ India\ maximum\ demand$

^{**}Note: All generation MU figures are gross
***Godda (Jharkhand) -> Bangladesh power exchange is through the radial connection (isolated from Indian Grid)

Solar Hours -> 06:00 to 18:00hrs and rest are Non-Solar Hours

 $[*]Source: RLDCs \ for \ solar \ connected \ to \ ISTS; SLDCs \ for \ embedded \ solar. \ Limited \ visibility \ of \ embedded \ solar \ data.$

INTER-REGIONAL EXCHANGES

Import=(+ve) /Export =(-ve) for NET (MU)
Date of Reporting: 23-Sep-2023

Sl No							Date of Reporting:	23-Sep-2023
:	Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
	ort/Export of ER (With NR)							
1	1 HVDC ALIPURDUAR-AGRA 2 HVDC PUSAULI B/B		2	0	1004 147	0.0	24.6 3.9	-24.6 -3.9
3		GAYA-VARANASI	2	163	862	0.0	12.9	-3.9
4	765 kV	SASARAM-FATEHPUR	1	0	526	0.0	9.2	-9.2
5 6	765 kV 400 kV	GAYA-BALIA PUSAULI-VARANASI	1	0	711 114	0.0	11.0 1.5	-11.0 -1.5
7	400 kV	PUSAULI -ALLAHABAD	1	0	145	0.0	2.3	-2.3
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	1130	0.0	18.6	-18.6
9	400 kV 400 kV	PATNA-BALIA NAUBATPUR-BALIA	2 2	0	731 779	0.0	13.0 13.4	-13.0 -13.4
11	400 kV	BIHARSHARIFF-BALIA	2	0	447	0.0	6.9	-6.9
12	400 kV	MOTIHARI-GORAKHPUR	2	0	635	0.0	10.7	-10.7
13 14	400 kV 220 kV	BIHARSHARIFF-VARANASI SAHUPURI-KARAMNASA	2	70	414 131	0.0	5.7 2.2	-5.7 -2.2
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.0	0.0	0.0
16	132 kV	GARWAH-RIHAND	1	30	0	0.5	0.0	0.5 0.0
17 18	132 kV 132 kV	KARMANASA-SAHUPURI KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0
					ER-NR	0.5	135.7	-135.2
Impor	rt/Export of ER (V							
2	765 kV 765 kV	JHARSUGUDA-DHARAMJAIGARH NEW RANCHI-DHARAMJAIGARH	4 2	758 729	338 806	3.9 1.6	0.0	3.9 1.6
3	765 kV	JHARSUGUDA-DURG	2	0	878	0.0	14.2	-14.2
4	400 kV	JHARSUGUDA-RAIGARH	4	141	401	0.0	4.3	-4.3
5	400 kV 220 kV	RANCHI-SIPAT	2	135 0	234 142	0.1	2.0	0.1
7	220 kV 220 kV	BUDHIPADAR-RAIGARH BUDHIPADAR-KORBA	1 2	101	0	0.9	0.0	-2.0 0.9
					ER-WR	6.5	20.5	-14.0
Impor	rt/Export of ER (V				-			
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	346	0.0	7.5	-7.5
3	HVDC 765 kV	TALCHER-KOLAR BIPOLE ANGUL-SRIKAKULAM	2 2	0	1991 2898	0.0	46.7 52.7	-46.7 -52.7
4	400 kV	TALCHER-I/C	2	0	961	0.0	13.9	-13.9
5	220 kV	BALIMELA-UPPER-SILERRU	1	0	0 ED CD	0.0	0.0	0.0
Tree	nt/Ermant after (With MED)			ER-SR	0.0	106.9	-106.9
1mpor	rt/Export of ER (V	With NEK) BINAGURI-BONGAIGAON	2	0	394	0.0	5.1	-5.1
2	400 KV 400 kV	ALIPURDUAR-BONGAIGAON	2 2	200	394	0.0	2.5	-5.1 -2.5
3	220 kV	ALIPURDUAR-SALAKATI	2	10	109	0.0	1.2	-1.2
_		(IIII ND)			ER-NER	0.0	8.7	-8.7
Impor	rt/Export of NER		1 4		#0.2	0.0	16.0	4<0
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	703 NER-NR	0.0	16.8 16.8	-16.8 -16.8
Impor	rt/Export of WR (With NR)			NEK-NK	0.0	10.0	-10.8
1	HVDC	CHAMPA-KURUKSHETRA	2	0	2513	0.0	57.8	-57.8
2	HVDC	VINDHYACHAL B/B		270	0	7.3	0.0	7.3
3	HVDC 765 kV	MUNDRA-MOHINDERGARH GWALIOR-AGRA	2 2	0 36	979 2121	0.0	24.2 27.4	-24.2 -27.4
5	765 kV 765 kV	GWALIOR-AGRA GWALIOR-PHAGI	2 2	36 325	2121 1666	0.6	22.9	-27.4 -22.3
6	765 kV	JABALPUR-ORAI	2	0	1166	0.0	32.0	-32.0
7	765 kV	GWALIOR-ORAI	1	651	0	11.3	0.0 21.2	11.3
8	765 kV 765 kV	SATNA-ORAI BANASKANTHA-CHITORGARH	1 2	0 994	1104 645	0.0 3.4	21.2 0.0	-21.2 3.4
10	765 kV	VINDHYACHAL-VARANASI	2	0	2488	0.0	40.9	-40.9
11	400 kV	ZERDA-KANKROLI ZERDA -BHINMAL	1	204	121	1.5	0.8	0.8
12	400 kV 400 kV	ZERDA -BHINMAL VINDHYACHAL -RIHAND	1 1	569 955	244	2.2 21.8	0.0	2.2 21.8
14	400 kV	RAPP-SHUJALPUR	2	359	609	0.0	4.2	-4.2
15	220 kV	BHANPURA-RANPUR BHANPURA-MODAK	1	0	112 30	0.0	1.7 2.4	-1.7
16 17	220 kV 220 kV	BHANPURA-MORAK MEHGAON-AURAIYA	1	0 122	0	0.0 1.8	0.0	-2.4 1.8
18	220 kV	MALANPUR-AURAIYA	1	96	0	1.1	0.0	1.1
19 20	132 kV 132 kV	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR	1 2	0	0	0.0	0.0	0.0
20	134 KV	MAJOHA I-LALI I FUR	<u> </u>	U	WR-NR	51.2		-184.3
Impor	rt/Export of WR (With SR)			. ,		435.4	-0-110
1						0112	235.4	
3		BHADRAWATI B/B		0	1004	0.0	14.1	-14.1
4	HVDC	RAIGARH-PUGALUR	2	0	6030	0.0 0.0	14.1 94.6	-94.6
						0.0	14.1	
5	HVDC 765 kV 765 kV 400 kV	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI	2 2 2 2 2	0 553 0 1364	6030 1591 3157 0	0.0 0.0 0.6 0.0 22.5	14.1 94.6 13.3 47.0 0.0	-94.6 -12.7 -47.0 22.5
6	HVDC 765 kV 765 kV 400 kV 220 kV	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI	2 2 2 2 2 2	0 553 0 1364	6030 1591 3157 0	0.0 0.0 0.6 0.0 22.5 0.0	14.1 94.6 13.3 47.0 0.0	-94.6 -12.7 -47.0 22.5 0.0
6 7	HVDC 765 kV 765 kV 400 kV 220 kV	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI	2 2 2 2 2	0 553 0 1364	6030 1591 3157 0	0.0 0.0 0.6 0.0 22.5 0.0	14.1 94.6 13.3 47.0 0.0	-94.6 -12.7 -47.0 22.5 0.0
6	HVDC 765 kV 765 kV 400 kV 220 kV	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI	2 2 2 2 2 2	0 553 0 1364 0	6030 1591 3157 0 0	0.0 0.0 0.6 0.0 22.5 0.0	14.1 94.6 13.3 47.0 0.0 0.0	-94.6 -12.7 -47.0 22.5 0.0
6 7	HVDC 765 kV 765 kV 400 kV 220 kV	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	2 2 2 2 2 2 1	0 553 0 1364 0 0	6030 1591 3157 0 0 0 116	0.0 0.0 0.6 0.0 22.5 0.0 0.0	14.1 94.6 13.3 47.0 0.0 0.0 0.0 1.0 0.0	-94.6 -12.7 -47.0 22.5 0.0 0.0 2.2 -143.9
6 7	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	2 2 2 2 2 2 1 1 1 TERNATIONAL EXC	0 553 0 1364 0 0 0	6030 1591 3157 0 0 0 116 WR-SR	0.0 0.0 0.6 0.0 22.5 0.0 0.0 2.2 25.2	14.1 94.6 13.3 47.0 0.0 0.0 0.0 169.1 Import(-94.6 -12.7 -47.0 22.5 0.0 0.0 2.2
6 7	HVDC 765 kV 765 kV 400 kV 220 kV	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	2 2 2 2 2 2 1 1 TERNATIONAL EXC	0 553 0 1364 0 0 0	6030 1591 3157 0 0 0 116	0.0 0.0 0.6 0.0 22.5 0.0 0.0	14.1 94.6 13.3 47.0 0.0 0.0 0.0 1.0 0.0	-94.6 -12.7 -47.0 22.5 0.0 0.0 2.2 -143.9 +ve)/Export(-ve)
6 7	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region	2 2 2 2 2 1 1 1 1 TERNATIONAL EXC Line	0 553 0 1364 0 0 0 0 CHANGES	6030 1591 3157 0 0 0 116 WR-SR	0.0 0.0 0.6 0.0 22.5 0.0 0.0 2.2 25.2 Min (MW)	14.1 94.6 13.3 47.0 0.0 0.0 0.0 0.0 169.1 Import(Avg (MW)	-94.6 -12.7 -47.0 22.5 0.0 0.0 2.2 -143.9 +ve)/Export(-ve) Energy Exchange (MU)
6 7	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	2 2 2 2 2 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIPT	0 553 0 1364 0 0 0 0 CHANGES	6030 1591 3157 0 0 0 116 WR-SR	0.0 0.0 0.6 0.0 22.5 0.0 0.0 2.2 25.2	14.1 94.6 13.3 47.0 0.0 0.0 0.0 169.1 Import(-94.6 -12.7 -47.0 22.5 0.0 0.0 2.2 -143.9 +ve)/Export(-ve) Energy Exchange
6 7	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region	2 2 2 2 2 1 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIPH HEP 4*180MW) 400kV TALA-BINAGURI	0 553 0 1364 0 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. F (from MANGDECHU	6030 1591 3157 0 0 0 116 WR-SR	0.0 0.0 0.6 0.0 22.5 0.0 0.0 2.2 25.2 Min (MW)	14.1 94.6 13.3 47.0 0.0 0.0 0.0 1.0 0.0 169.1 Import(Avg (MW)	-94.6 -12.7 -47.0 22.5 0.0 0.0 2.2 -143.9 +ve)/Export(-ve) Energy Exchange (MU)
6 7	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region	2 2 2 2 2 1 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIPI HEP 4*180MW) 400kV TALA-BINAGURI MALBASE - BINAGUR	0 553 0 1364 0 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. f (from MANGDECHU 11,2,4 (& 400kV 1) i.e. BINAGURI	6030 1591 3157 0 0 0 116 WR-SR	0.0 0.0 0.6 0.0 22.5 0.0 0.0 2.2 25.2 Min (MW)	14.1 94.6 13.3 47.0 0.0 0.0 0.0 0.0 169.1 Import(Avg (MW)	-94.6 -12.7 -47.0 22.5 0.0 0.0 2.2 -143.9 +ve)/Export(-ve) Energy Exchange (MU)
6 7	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER	2 2 2 2 2 1 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIPI HEP 4*180MW) 400kV TALA-BINAGURI MALBASE - BINAGUR RECEIPT (from TALA H	0 553 0 1364 0 0 0 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. f (from MANGDECHU 11,2,4 (& 400kV 1) i.e. BINAGURI EP 6*170MW)	6030 1591 3157 0 0 0 116 WR-SR	0.0 0.0 0.6 0.0 22.5 0.0 0.0 2.2 25.2 Min (MW)	14.1 94.6 13.3 47.0 0.0 0.0 0.0 1.0 0.0 169.1 Import(Avg (MW)	-94.6 -12.7 -47.0 22.5 0.0 0.0 2.2 -143.9 +ve)/Export(-ve) Energy Exchange (MU) 10.18
6 7	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER	2 2 2 2 2 1 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIPI HEP 4*180MW) 400kV TALA-BINAGURI MALBASE - BINAGUR	0 553 0 1364 0 0 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. F (from MANGDECHU I1,2,4 (& 400kV I) i.e. BINAGURI EEP 6*170MW) RA 1&2 (& 220kV	6030 1591 3157 0 0 0 116 WR-SR	0.0 0.0 0.6 0.0 22.5 0.0 0.0 2.2 25.2 Min (MW)	14.1 94.6 13.3 47.0 0.0 0.0 0.0 1.0 0.0 169.1 Import(Avg (MW)	-94.6 -12.7 -47.0 22.5 0.0 0.0 2.2 -143.9 +ve)/Export(-ve) Energy Exchange (MU) 10.18
6 7	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 221 kV	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER	2 2 2 2 2 2 1 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIP' HEP 4*180MW) 400kV TALA-BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI RECEIPT (from TALA H 220kV CHUKHA-BIRPA	0 553 0 1364 0 0 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. f (from MANGDECHU 11,2,4 (& 400kV 1) i.e. BINAGURI EP 6*170MW) RA 1&2 (& 220kV i.e. BIRPARA RECEIPT	6030 1591 3157 0 0 0 116 WR-SR	0.0 0.0 0.6 0.0 22.5 0.0 0.0 2.2 25.2 Min (MW)	14.1 94.6 13.3 47.0 0.0 0.0 0.0 169.1 Import(Avg (MW) 424	-94.6 -12.7 -47.0 22.5 0.0 0.0 2.2 -143.9 +ve)/Export(-ve) Energy Exchange (MU) 10.18
6 7	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 221 kV	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER	2 2 2 2 2 2 1 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIPI HEP 4*180MW) 400kV TALA-BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI MALBASE - BIRAGURI (from TALA H 220kV CHUKHA-BIRPA MALBASE - BIRPARA) (from CHUKHA HEP 4*8	0 553 0 1364 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6030 1591 3157 0 0 0 116 WR-SR Max (MW) 545	0.0 0.0 0.6 0.0 22.5 0.0 0.0 2.2 25.2 Min (MW) 356	14.1 94.6 13.3 47.0 0.0 0.0 0.0 169.1 Import(Avg (MW) 424 899	-94.6 -12.7 -47.0 22.5 0.0 0.0 2.2 -143.9 +ve)/Export(-ve) Energy Exchange (MU) 10.18 21.57
6 7	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 221 kV	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER	2 2 2 2 2 2 1 1 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIP' HEP 4*180MW MAUGHT ALA-BINAGURI MALBASE - BINAGUR RECEIPT (from TALA H RECEIPT (from TALA H MALBASE - BIRPARA)	0 553 0 1364 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6030 1591 3157 0 0 0 116 WR-SR	0.0 0.0 0.6 0.0 22.5 0.0 0.0 2.2 25.2 Min (MW)	14.1 94.6 13.3 47.0 0.0 0.0 0.0 169.1 Import(Avg (MW) 424	-94.6 -12.7 -47.0 22.5 0.0 0.0 2.2 -143.9 +ve)/Export(-ve) Energy Exchange (MU) 10.18
6 7	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 221 kV	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER	2 2 2 2 2 2 1 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIPI HEP 4*180MW) 400kV TALA-BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI MALBASE - BIRAGALI MALBASE - BIRAGALI MALBASE - BIRAGALI MALBASE - BIRAGALI MALBASE - BIRBARA) (from CHUKHA-BIRPA MALBASE - BIRPARA)	0 553 0 1364 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6030 1591 3157 0 0 0 116 WR-SR Max (MW) 545	0.0 0.0 0.6 0.0 22.5 0.0 0.0 2.2 25.2 Min (MW) 356	14.1 94.6 13.3 47.0 0.0 0.0 0.0 1.0 169.1 Import(Avg (MW) 424 899 60	-94.6 -12.7 -47.0 22.5 -0.0 0.0 2.2 -143.9 +ve)/Export(-ve) Energy Exchange (MU) 10.18 21.57
6 7	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 221 kV	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER	2 2 2 2 2 2 1 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIPI HEP 4*180MW) 400kV TALA-BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI MALBASE - BIRAGURI (from TALA H 220kV CHUKHA-BIRPA MALBASE - BIRPARA) (from CHUKHA HEP 4*8	0 553 0 1364 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6030 1591 3157 0 0 0 116 WR-SR Max (MW) 545	0.0 0.0 0.6 0.0 22.5 0.0 0.0 2.2 25.2 Min (MW) 356	14.1 94.6 13.3 47.0 0.0 0.0 0.0 169.1 Import(Avg (MW) 424 899	-94.6 -12.7 -47.0 22.5 -0.0 0.0 2.2 -143.9 +ve)/Export(-ve) Energy Exchange (MU) 10.18 21.57
6 7	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 221 kV	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER ER	2 2 2 2 2 2 1 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIPI HEP 4*180MW) 400kV TALA-BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI MALBASE - BIRAGALI MALBASE - BIRAGALI MALBASE - BIRAGALI MALBASE - BIRAGALI MALBASE - BIRBARA) (from CHUKHA-BIRPA MALBASE - BIRPARA)	0 553 0 1364 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6030 1591 3157 0 0 0 116 WR-SR Max (MW) 545 1011	0.0 0.0 0.6 0.0 22.5 0.0 0.0 2.2 25.2 Min (MW) 356	14.1 94.6 13.3 47.0 0.0 0.0 0.0 1.0 169.1 Import(Avg (MW) 424 899 60	-94.6 -12.7 -47.0 22.5 -0.0 0.0 2.2 -143.9 +ve)/Export(-ve) Energy Exchange (MU) 10.18 21.57
6 7	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 221 kV	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER ER	2 2 2 2 2 1 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIPI HEP 4*180MW) 400kV TALA-BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI MALBASE - BIRAGAI (from CHUKHA-BIRPA MALBASE - BIRPARA) (from CHUKHA HEP 4*8 132kV GELEPHU-SALA	0 553 0 1364 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6030 1591 3157 0 0 0 116 WR-SR Max (MW) 545 1011	0.0 0.0 0.6 0.0 22.5 0.0 0.0 2.2 25.2 Min (MW) 356	14.1 94.6 13.3 47.0 0.0 0.0 0.0 1.0 169.1 Import(Avg (MW) 424 899 60	-94.6 -12.7 -47.0 22.5 -0.0 0.0 2.2 -143.9 +ve)/Export(-ve) Energy Exchange (MU) 10.18 21.57
6 7	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 221 kV	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER ER NER	2 2 2 2 2 1 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIPI HEP 4*180MW) 400kV TALA-BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI MALBASE - BIRAGAI (from CHUKHA-BIRPA MALBASE - BIRPARA) (from CHUKHA HEP 4*8 132kV GELEPHU-SALA	0 553 0 1364 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6030 1591 3157 0 0 0 116 WR-SR Max (MW) 545 1011 76 29	0.0 0.0 0.6 0.0 22.5 0.0 0.0 2.2 25.2 Min (MW) 356 820 26	14.1 94.6 13.3 47.0 0.0 0.0 0.0 0.0 169.1 Import(Avg (MW) 424 899 60 18	-94.6 -12.7 -47.0 22.5 -0.0 0.0 2.2 -143.9 -ve)/Export(-ve) Energy Exchange (MU) 10.18 21.57 1.43 0.44
6 7	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV State	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER ER NER	2 2 2 2 2 1 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIPI HEP 4*180MW) 400kV TALA-BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI MALBASE - BIRAGURI (from CHUKHA-BIRPA MALBASE - BIRPARA) i(from CHUKHA HEP 4*8 132kV GELEPHU-SALA) 132kV MOTANGA-RANG	0 553 0 1364 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6030 1591 3157 0 0 0 116 WR-SR Max (MW) 545 1011 76 29 69	0.0 0.0 0.6 0.0 0.0 22.5 0.0 0.0 2.2 25.2 Min (MW) 356 820 26 1 37	14.1 94.6 13.3 47.0 0.0 0.0 0.0 0.0 169.1 Import(Avg (MW) 424 899 60 18 50	-94.6 -12.7 -47.0 22.5 -0.0 0.0 2.2 -143.9 +ve)/Export(-ve) Energy Exchange (MU) 10.18 21.57 1.43 0.44 1.20
6 7	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 221 kV	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER ER NER	2 2 2 2 2 1 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIPI HEP 4*180MW) 400kV TALA-BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI MALBASE - BIRAGAI (from CHUKHA-BIRPA MALBASE - BIRPARA) (from CHUKHA HEP 4*8 132kV GELEPHU-SALA	0 553 0 1364 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6030 1591 3157 0 0 0 116 WR-SR Max (MW) 545 1011 76 29	0.0 0.0 0.6 0.0 22.5 0.0 0.0 2.2 25.2 Min (MW) 356 820 26	14.1 94.6 13.3 47.0 0.0 0.0 0.0 0.0 169.1 Import(Avg (MW) 424 899 60 18	-94.6 -12.7 -47.0 22.5 -0.0 0.0 2.2 -143.9 +ve)/Export(-ve) Energy Exchange (MU) 10.18 21.57 1.43 0.44
6 7	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV State	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI ER ER ER NER NER NER	2 2 2 2 2 1 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIPI HEP 4*180MW) 400kV TALA-BINAGURI MALBASE - BINAGURR MALBASE - BINAGURR MALBASE - BIRPARA) i(from CHUKHA-BIRPA MALBASE - BIRPARA) i(from CHUKHA HEP 4*8 132kV GELEPHU-SALA) 132kV MOTANGA-RANG	0 553 0 1364 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6030 1591 3157 0 0 0 116 WR-SR Max (MW) 545 1011 76 29 69 0	0.0 0.0 0.6 0.0 0.6 0.0 22.5 0.0 0.0 2.2 25.2 Min (MW) 356 820 26 1 37 0	14.1 94.6 13.3 47.0 0.0 0.0 0.0 0.0 169.1 Import(Avg (MW) 424 899 60 18 50	-94.6 -12.7 -47.0 22.5 -0.0 0.0 2.2 -143.9 -ve)/Export(-ve) Energy Exchange (MU) 10.18 21.57 1.43 0.44 1.20 0.62
6 7	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV State	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER ER NER	2 2 2 2 2 1 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIPI HEP 4*180MW) 400kV TALA-BINAGURI MALBASE - BINAGURI MALBASE - BINAGURI MALBASE - BIRAGURI (from CHUKHA-BIRPA MALBASE - BIRPARA) i(from CHUKHA HEP 4*8 132kV GELEPHU-SALA) 132kV MOTANGA-RANG	0 553 0 1364 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6030 1591 3157 0 0 0 116 WR-SR Max (MW) 545 1011 76 29 69	0.0 0.0 0.6 0.0 0.0 22.5 0.0 0.0 2.2 25.2 Min (MW) 356 820 26 1 37	14.1 94.6 13.3 47.0 0.0 0.0 0.0 0.0 169.1 Import(Avg (MW) 424 899 60 18 50	-94.6 -12.7 -47.0 22.5 -0.0 0.0 2.2 -143.9 -ve)/Export(-ve) Energy Exchange (MU) 10.18 21.57 1.43 0.44 1.20
6 7	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV State	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI ER ER ER NER NER NER	2 2 2 2 2 1 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIPI HEP 4*180MW) 400kV TALA-BINAGURI MALBASE - BINAGURR MALBASE - BINAGURR MALBASE - BIRPARA) i(from CHUKHA-BIRPA MALBASE - BIRPARA) i(from CHUKHA HEP 4*8 132kV GELEPHU-SALA) 132kV MOTANGA-RANG	0 553 0 1364 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6030 1591 3157 0 0 0 116 WR-SR Max (MW) 545 1011 76 29 69 0	0.0 0.0 0.6 0.0 0.6 0.0 22.5 0.0 0.0 2.2 25.2 Min (MW) 356 820 26 1 37 0	14.1 94.6 13.3 47.0 0.0 0.0 0.0 0.0 169.1 Import(Avg (MW) 424 899 60 18 50	-94.6 -12.7 -47.0 22.5 -0.0 0.0 2.2 -143.9 -ve)/Export(-ve) Energy Exchange (MU) 10.18 21.57 1.43 0.44 1.20 0.62
6 7	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV State	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI ER ER ER NER NER NER	2 2 2 2 2 1 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIPI HEP 4*180MW) 400kV TALA-BINAGURI MALBASE - BINAGURR MALBASE - BINAGURR MALBASE - BIRPARA) i(from CHUKHA-BIRPA MALBASE - BIRPARA) i(from CHUKHA HEP 4*8 132kV GELEPHU-SALA) 132kV MOTANGA-RANG	0 553 0 1364 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6030 1591 3157 0 0 0 116 WR-SR Max (MW) 545 1011 76 29 69 0	0.0 0.0 0.6 0.0 0.6 0.0 22.5 0.0 0.0 2.2 25.2 Min (MW) 356 820 26 1 37 0	14.1 94.6 13.3 47.0 0.0 0.0 0.0 0.0 169.1 Import(Avg (MW) 424 899 60 18 50	-94.6 -12.7 -47.0 22.5 -0.0 0.0 2.2 -143.9 -ve)/Export(-ve) Energy Exchange (MU) 10.18 21.57 1.43 0.44 1.20 0.62
6 7	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV State	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI ER ER ER NER NER NER NER ER ER	2 2 2 2 2 1 1 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIPT HEP 4*180MW) 400kV TALA-BINAGUR MALBASE - BINAGUR MALBASE - BINAGUR RECEIPT (from TALA H 220kV CHUKHA-BIRPA MALBASE - BIRPARA) i (from CHUKHA HEP 4*8 132kV GELEPHU-SALA 132kV MOTANGA-RANG 132kV MAHENDRANAG NEPAL IMPORT (FROM	0 553 0 1364 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6030 1591 3157 0 0 0 116 WR-SR Max (MW) 545 1011 76 29 69 0	0.0 0.0 0.6 0.0 0.6 0.0 22.5 0.0 0.0 2.2 25.2 Min (MW) 356 820 26 1 37 0	14.1 94.6 13.3 47.0 0.0 0.0 0.0 0.0 169.1 Import(Avg (MW) 424 899 60 18 50 0	-94.6 -12.7 -47.0 22.5 -0.0 0.0 2.2 -143.9 -ve)/Export(-ve) Energy Exchange (MU) 10.18 21.57 1.43 0.44 1.20 0.62 0.00
8	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV State	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI ER ER ER ER NER NER ER ER ER	2 2 2 2 2 1 1 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIPT HEP 4*180MW) 400kV TALA-BINAGUR MALBASE - BINAGUR MALBASE - BINAGUR RECEIPT (from TALA H 220kV CHUKHA-BIRPA MALBASE - BIRPARA) i (from CHUKHA HEP 4*8 132kV GELEPHU-SALA 132kV MOTANGA-RANG 132kV MAHENDRANAG NEPAL IMPORT (FROM	0 553 0 1364 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6030 1591 3157 0 0 0 116 WR-SR Max (MW) 545 1011 76 29 69 0 0 590	0.0 0.0 0.6 0.0 0.6 0.0 22.5 0.0 0.0 2.2 25.2 Min (MW) 356 820 26 1 37 0 480	14.1 94.6 13.3 47.0 0.0 0.0 0.0 0.0 169.1 Import(Avg (MW) 424 899 60 18 50 0	-94.6 -12.7 -47.0 22.5 0.0 0.0 2.2 -143.9 +ve)/Export(-ve) Energy Exchange (MU) 10.18 21.57 1.43 0.44 1.20 0.62 0.00 11.90 -21.59
6 7 8	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV State	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER NER NER NER ER ER ER ER	2 2 2 2 2 1 1 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIPT HEP 4*180MW) 400kV TALA-BINAGUR MALBASE - BINAGUR MALBASE - BINAGUR RECEIPT (from TALA H 220kV CHUKHA-BIRPA MALBASE - BIRPARA) i (from CHUKHA HEP 4*8 132kV GELEPHU-SALA 132kV MOTANGA-RANG 132kV MOTANGA-RANG NEPAL IMPORT (FROM	0 553 0 1364 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6030 1591 3157 0 0 0 116 WR-SR Max (MW) 545 1011 76 29 69 0	0.0 0.0 0.6 0.0 0.6 0.0 22.5 0.0 0.0 2.2 25.2 Min (MW) 356 820 26 1 37 0	14.1 94.6 13.3 47.0 0.0 0.0 0.0 0.0 169.1 Import(Avg (MW) 424 899 60 18 50 0 496	-94.6 -12.7 -47.0 22.5 0.0 0.0 2.2 -143.9 +ve)/Export(-ve) Energy Exchange (MU) 10.18 21.57 1.43 0.44 1.20 0.62 0.00
6 7 8 8	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV State	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER ER NER NER NER ER ER ER	2 2 2 2 2 1 1 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIPT HEP 4*180MW) MAUBASE - BINAGUR MALBASE - BINAGUR MALBASE - BINAGUR MALBASE - BIRARA) i (from CHUKHA-BIRPA MALBASE - BIRPARA) i (from CHUKHA HEP 4*8 132kV GELEPHU-SALA) 132kV MOTANGA-RANG NEPAL IMPORT (FROM 400kV DHALKEBAR-MU BHERAMARA B/B HVD	0 553 0 1364 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6030 1591 3157 0 0 0 116 WR-SR Max (MW) 545 1011 76 29 69 0 0 590 -927	0.0 0.0 0.0 0.6 0.0 0.0 22.5 0.0 0.0 2.2 25.2 Min (MW) 356 820 26 1 37 0 480 -794	14.1 94.6 13.3 47.0 0.0 0.0 0.0 0.0 169.1 Import(Avg (MW) 424 899 60 18 50 0 496 -899	-94.6 -12.7 -47.0 22.5 0.0 0.0 2.2 -143.9 +ve)/Export(-ve) Energy Exchange (MU) 10.18 21.57 1.43 0.44 1.20 0.62 0.00 11.90 -21.59
8	HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 220 kV State	RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI ER ER ER ER NER NER ER ER ER	2 2 2 2 2 1 1 1 1 1 TERNATIONAL EXC Line 400kV MANGDECHHU- ALIPURDUAR RECEIPT HEP 4*180MW) 400kV TALA-BINAGUR MALBASE - BINAGUR MALBASE - BINAGUR RECEIPT (from TALA H 220kV CHUKHA-BIRPA MALBASE - BIRPARA) i (from CHUKHA HEP 4*8 132kV GELEPHU-SALA 132kV MOTANGA-RANG 132kV MOTANGA-RANG NEPAL IMPORT (FROM	0 553 0 1364 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6030 1591 3157 0 0 0 116 WR-SR Max (MW) 545 1011 76 29 69 0 0 590	0.0 0.0 0.6 0.0 0.6 0.0 22.5 0.0 0.0 2.2 25.2 Min (MW) 356 820 26 1 37 0 480	14.1 94.6 13.3 47.0 0.0 0.0 0.0 0.0 169.1 Import(Avg (MW) 424 899 60 18 50 0 496	-94.6 -12.7 -47.0 22.5 -0.0 0.0 2.2 -143.9 +ve)/Export(-ve) Energy Exchange (MU) 10.18 21.57 1.43 0.44 1.20 0.62 0.00 11.90 -21.59

CROSS BORDER EXCHANGE SCHEDULE

Date of Reporting: 23-Sep-2023

Export From India (in MU)

Export From II	ildia (ili MIO)								ı	
			STOA							
	(ISGS/LTA/MTOA) PPA				COLLECTIVE					
Country		BILATERAL	IDAM			RTM			TOTAL	
		TOTAL	IEX	PXIL	HPX	IEX	PXIL	HPX		
Bhutan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Nepal	0.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.37	
Bangladesh	21.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.64	
Myanmar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Total Export	22.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.01	

Import by India(in MU)

			STOA							
	(ISGS/LTA/MTOA) PPA	COLLECTIVE							7	
Country		BILATERAL	IDAM			RTM			TOTAL	
		TOTAL	IEX	PXIL	HPX	IEX	PXIL	HPX		
Bhutan	32.02	2.34	0.00	0.00	0.00	0.00	0.00	0.00	34.36	
Nepal	0.00	2.63	8.51	0.00	0.00	0.00	0.00	0.00	11.14	
Bangladesh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Myanmar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Total Import	32.02	4.97	8.51	0.00	0.00	0.00	0.00	0.00	45.50	

-ve : Export / +ve : Import Net from India(in MU)

		STOA							
	(ISGS/LTA/MTOA)		COLLECTIVE						
Country PPA		BILATERAL	IDAM			RTM			TOTAL
		TOTAL	IEX	PXIL	HPX	IEX	PXIL	HPX	
Bhutan	32.02	2.34	0.00	0.00	0.00	0.00	0.00	0.00	34.36
Nepal	-0.37	2.63	8.51	0.00	0.00	0.00	0.00	0.00	10.77
Bangladesh	-21.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-21.64
Myanmar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Net	10.01	4.97	8.51	0.00	0.00	0.00	0.00	0.00	23.49