

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, कुतुब इन्स्टीट्यूशनल एरिया, कटवारिया सराये, न्यू दिल्ली-110016

Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 07th July 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
- 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 06.07.2023.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 06-जुलाई-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 06th July 2023, is available at the NLDC website.

धन्यवाद,

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



Date of Reporting: 07-Jul-2023

11:51

Report for previous day

A. Power Supply Position at All India and Regional level

	NR	WR	SR	ER	NER	TOTAL
Demand Met during Evening Peak hrs(MW) (at	64081	54429	44142	26259	3299	192210
20:00 hrs; from RLDCs)	04001	34429	77172	20239	3299	192210
Peak Shortage (MW)	20	0	0	0	13	33
Energy Met (MU)	1429	1284	1045	568	62	4387
Hydro Gen (MU)	386	38	46	125	24	619
Wind Gen (MU)	13	71	268	-	-	352
Solar Gen (MU)*	108.99	39.39	82.74	2.17	0.87	234
Energy Shortage (MU)	0.53	0.00	0.00	0.12	1.29	1.94
Maximum Demand Met During the Day (MW)	(552(5/095	49122	27142	2254	102020
(From NLDC SCADA)	65536	56085	49122	27142	3354	193038

B. Frequency Profile (%) Region All India FVI < 49.7 49.7 - 49.8 49.8 - 49.9 < 49.9 49.9 - 50.05 > 50.05 26.44 0.047 0.00 4.99 5.21 68.35 0.22

10:18

09:45

00:00

19:39

22:04

C. Power Supply Position in States						
	C	Down	Supply	Position	in	States

Time Of Maximum Demand Met

- carpping	opinion in peaces	Max.Demand	Shortage during	Energy Met	Drawal	OD(+)/UD(-)	Max OD	Energy
Region	States	Met during the	maximum	Energy with	Schedule	3D (1)/(3D (-)	Wax OD	Shortage (MU)
Region	States	day (MW)	Demand (MW)	(MU)	(MU)	(MU)	(MW)	Shortage (WIO)
	Punjab	10345	0	213.1	136.8	-5.4	236	0.00
	Haryana	10449	0	224.7	177.1	-0.8	267	0.00
	Rajasthan	13215	0	274.8	100.7	-1.1	539	0.00
	Delhi	5989	0	123.5	119.4	-3.0	115	0.00
NR	UP	23711	0	458.0	226.4	-1.9	319	0.00
	Uttarakhand	2027	0	42.4	19.2	-0.7	161	0.00
	HP	1590	0	33.1	-11.1	-0.4	90	0.48
	J&K(UT) & Ladakh(UT)	2432	25	49.6	22.3	0.6	183	0.05
	Chandigarh	319	0	6.2	6.5	-0.3	18	0.00
	Railways NR ISTS	171	0	3.5	3.5	0.0	20	0.00
	Chhattisgarh	4877	0	106.4	57.1	-1.4	231	0.00
	Gujarat	16715	0	367.8	189.2	-1.2	840	0.00
	MP	10382	0	229.4	125.2	-4.0	505	0.00
WR	Maharashtra	22248	0	508.2	173.3	-1.0	553	0.00
	Goa	608	0	12.1	11.9	-0.3	39	0.00
	DNHDDPDCL	1301	0	30.2	30.2	0.0	48	0.00
	AMNSIL	792	0	17.3	10.3	0.3	258	0.00
	BALCO	520	0	12.4	12.5	-0.1	6	0.00
	Andhra Pradesh	9129	0	201.3	25.4	-1.8	509	0.00
	Telangana	11078	0	217.4	109.4	-0.4	700	0.00
SR	Karnataka	10630	0	203.1	52.4	-3.6	402	0.00
511	Kerala	3565	0	68.8	48.6	1.0	274	0.00
	Tamil Nadu	16175	0	345.1	138.1	-5.4	528	0.00
	Puducherry	417	0	9.5	8.7	0.1	57	0.00
	Bihar	6609	0	132.1	125.2	-2.7	252	0.12
	DVC	3349	0	73.5	-30.7	-0.4	381	0.00
	Jharkhand	1689	0	36.0	28.9	-1.9	100	0.00
ER	Odisha	6145	0	117.2	39.2	-1.9	341	0.00
	West Bengal	9615	0	207.3	89.5	-2.6	125	0.00
	Sikkim	89	0	1.4	1.5	-0.1	12	0.00
	Railways_ER ISTS	14	0	0.2	0.3	0.0	3	0.00
	Arunachal Pradesh	164	0	2.6	2.4	0.0	34	0.00
	Assam	2222	0	41.8	34.9	0.7	177	0.00
	Manipur	176	0	2.4	2.6	-0.2	24	0.00
NER	Meghalaya	330	13	5.0	1.3	0.0	48	1.29
1121	Mizoram	104	0	1.5	1.5	-0.4	10	0.00
	Nagaland	162	0	2.6	2.4	-0.1	33	0.00
	- magazara	102	•	4.0	4. 7	-0.1		0.00

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

Tripura

	Bhutan	Nepal	Bangladesh	Godda -> Bangladesh
Actual (MU)	40.0	6.9	-25.4	-16.1
Day Peak (MW)	1854.0	84.1	-1081.0	-796.0

307

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	276.0	-210.3	34.7	-105.3	4.9	0.0
Actual(MU)	253.5	-205.3	39.2	-101.5	7.9	-6.2
O/D/U/D(MU)	-22.5	5.0	4.5	3.8	3.1	-6.1

F. Generation Outage(MW)

1. Generation Gutage(1.177)							
	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	2614	8378	7768	1500	668	20927	40
State Sector	8340	13347	7213	2200	251	31351	60
Total	10953	21725	14981	3700	919	52278	100

5.7

G. Sourcewise generation (Gross) (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	680	1381	558	609	13	3241	68
Lignite	21	14	47	0	0	81	2
Hydro	386	38	46	125	24	619	13
Nuclear	25	45	46	0	0	116	2
Gas, Naptha & Diesel	14	24	7	0	22	68	1
RES (Wind, Solar, Biomass & Others)	130	112	369	3	1	615	13
Total	1257	1614	1072	737	60	4741	100
Share of RES in total generation (%)	10.37	6.93	34.40	0.47	1.44	13.01	
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	43.08	12.10	42.97	17.72	41.85	28.58	

H. All India Demand Diversity Factor

11. 111 India Bemana Biversity Tuetor	
Based on Regional Max Demands	1.042
Based on State Max Demands	1.086
•	•

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

4.9

0.5

37

0.00

	Max Demand Met(MW)	Time	Shortage(MW)
Solar hr	193038	11:51	138
Non-Solar hr	192017	19:53	233

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: 07-Jul-2023

Sl No Voltage Level						Date of Reporting:	
	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
Import/Export of ER							
1 HVDC	ALIPURDUAR-AGRA	2	0	1502	0.0	36.8 3.5	-36.8
2 HVDC 3 765 kV	PUSAULI B/B GAYA-VARANASI	2	0 716	245 248	3.8	0.0	-3.5 3.8
4 765 kV	SASARAM-FATEHPUR	1	170	194	0.0	0.1	-0.1
5 765 kV	GAYA-BALIA	1	0	658	0.0	10.9	-10.9
6 400 kV 7 400 kV	PUSAULI-VARANASI PUSAULI -ALLAHABAD	1	0	172 89	0.0	2.1 1.3	-2.1 -1.3
8 400 kV	MUZAFFARPUR-GORAKHPUR	2	0	643	0.0	9.2	-9.2
9 400 kV	PATNA-BALIA	2	0	525	0.0	8.8	-8.8
10 400 kV	NAUBATPUR-BALIA	2 2	0	558	0.0	8.7 3.3	-8.7
11 400 kV 12 400 kV	BIHARSHARIFF-BALIA MOTIHARI-GORAKHPUR	2	59 0	246 363	0.0	5.4	-3.3 -5.4
13 400 kV	BIHARSHARIFF-VARANASI	2	262	100	1.0	0.0	1.0
14 220 kV	SAHUPURI-KARAMNASA	1	9	90	0.0	1.0	-1.0
15 132 kV 16 132 kV	NAGAR UNTARI-RIHAND GARWAH-RIHAND	1	0 30	0	0.0	0.0	0.0
17 132 kV	KARMANASA-SAHUPURI	1	0	25	0.0	0.0	0.0
18 132 kV	KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0
				ER-NR	5.6	91.1	-85.5
Import/Export of ER							
1 765 kV 2 765 kV	JHARSUGUDA-DHARAMJAIGARH NEW RANCHI-DHARAMJAIGARH	4 2	1558 1580	341 297	15.4 24.7	0.0	15.4 24.7
3 765 kV	JHARSUGUDA-DURG	2	124	552	0.0	4.0	-4.0
4 400 kV	JHARSUGUDA-RAIGARH	4	0	397	0.0	3.9	-3.9
5 400 kV	RANCHI-SIPAT	2	338	171	4.0	0.0	4.0
6 220 kV 7 220 kV	BUDHIPADAR-RAIGARH BUDHIPADAR-KORBA	1 2	0 101	73	0.0 1.3	2.4	-2.4 1.3
7 220 KV	BUDHIFADAR-KURBA		101	ER-WR	45.4	10.2	35.2
Import/Export of ER	With SR)				1011		0012
1 HVDC	JEYPORE-GAZUWAKA B/B	2	0	459	0.0	10.2	-10.2
2 HVDC	TALCHER-KOLAR BIPOLE	2	0	791	0.0	19.3	-19.3
3 765 kV 4 400 kV	ANGUL-SRIKAKULAM TALCHER-I/C	2 2	0 626	2646 38	0.0 11.4	40.4 0.0	-40.4 11.4
4 400 kV 5 220 kV	TALCHER-I/C BALIMELA-UPPER-SILERRU	1	626	38 0	0.0	0.0	0.0
		·	-	ER-SR	0.0	69.9	-69.9
Import/Export of ER							
1 400 kV	BINAGURI-BONGAIGAON	2	0	482	0.0	7.9	-7.9
2 400 kV 3 220 kV	ALIPURDUAR-BONGAIGAON	2 2	141	406 125	0.0	4.2 1.8	-4.2 1.8
3 220 KV	ALIPURDUAR-SALAKATI	<u> </u>	0	ER-NER	0.0	13.8	-1.8 -13.8
Import/Export of NEF	(With NR)			EK-MEK	V•V	10.0	-13.0
1 HVDC	BISWANATH CHARIALI-AGRA	2	0	308	0.0	7.4	-7.4
•				NER-NR	0.0	7.4	-7.4
Import/Export of WR							
1 HVDC	CHAMPA-KURUKSHETRA	2	0	5032	0.0	82.3	-82.3
2 HVDC 3 HVDC	VINDHYACHAL B/B MUNDRA-MOHINDERGARH	2	444 0	0 257	11.4 3.7	0.0	11.4 3.7
4 765 kV	GWALIOR-AGRA	2 2	389	1636	0.2	20.7	-20.5
5 765 kV	GWALIOR-PHAGI	2	9	1451	0.0	21.4	-21.4
6 765 kV	JABALPUR-ORAI	2	0	944	0.0	24.6	-24.6
7 765 kV	GWALIOR-ORAI	1	584	0	11.0	0.0 19.2	11.0
8 765 kV 9 765 kV	SATNA-ORAI BANASKANTHA-CHITORGARH	1 2	0 1321	949 43	0.0 17.3	0.0	-19.2 17.3
10 765 kV	VINDHYACHAL-VARANASI	2	0	3538	0.0	67.2	-67.2
11 400 kV	ZERDA-KANKROLI	1	197	25	2.5	0.0	2.5
12 400 kV	ZERDA -BHINMAL	1	314	68	3.8	0.1	3.7
13 400 kV	VINDHYACHAL -RIHAND RAPP-SHUJALPUR	1 2	954 115	0	21.6 0.4	0.0 4.0	21.6 -3.6
14 400 kV 15 220 kV		1		516 0		0.0	
14 400 kV 15 220 kV 16 220 kV	BHANPURA-RANPUR BHANPURA-MORAK	1 1	0	0 30	0.0		0.0 -2.4
15 220 kV 16 220 kV 17 220 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA	1	0 0 106	0 30 2	0.0 0.0 1.1	0.0 2.4 0.0	0.0 -2.4 1.1
15 220 kV 16 220 kV 17 220 kV 18 220 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA	1 1	0 0 106 78	0 30 2 0	0.0 0.0 1.1 0.8	0.0 2.4 0.0 0.0	0.0 -2.4 1.1 0.8
15 220 kV 16 220 kV 17 220 kV 18 220 kV 19 132 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR	1 1 1 1 1 1	0 0 106 78	0 30 2 0	0.0 0.0 1.1 0.8 0.0	0.0 2.4 0.0	0.0 -2.4 1.1 0.8 0.0
15 220 kV 16 220 kV 17 220 kV 18 220 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA	1 1	0 0 106 78	0 30 2 0	0.0 0.0 1.1 0.8	0.0 2.4 0.0 0.0 0.0	0.0 -2.4 1.1 0.8
15 220 kV 16 220 kV 17 220 kV 18 220 kV 19 132 kV 20 132 kV Import/Export of WR	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR)	1 1 1 1 1 1	0 0 106 78 0	0 30 2 0 0	0.0 0.0 1.1 0.8 0.0 0.0 73.9	0.0 2.4 0.0 0.0 0.0 0.0 0.0 241.8	0.0 -2.4 1.1 0.8 0.0 0.0 -167,9
15 220 kV 16 220 kV 17 220 kV 18 220 kV 19 132 kV 20 132 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B	1 1 1 1 1 1 2	0 0 106 78 0	0 30 2 0 0 0 WR-NR	0.0 0.0 1.1 0.8 0.0 0.0 73.9	0.0 2.4 0.0 0.0 0.0 0.0 241.8	0.0 -2.4 1.1 0.8 0.0 0.0 -167.9
15 220 kV 16 220 kV 17 220 kV 18 220 kV 19 132 kV 20 132 kV Import/Export of WR 1 HVDC 2 HVDC 1 HVDC 2 HVDC 1 HVDC 1	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR	1 1 1 1 1 1	0 0 106 78 0 0	0 30 2 0 0 0 WR-NR	0.0 0.0 1.1 0.8 0.0 0.0 73.9	0.0 2.4 0.0 0.0 0.0 0.0 0.0 241.8	0.0 -2.4 1.1 0.8 0.0 0.0 -167.9
15 220 kV 16 220 kV 17 220 kV 18 220 kV 19 132 kV 20 132 kV	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALJOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD	1 1 1 1 1 1 2	0 0 106 78 0 0	0 30 2 0 0 0 WR-NR	0.0 0.0 1.1 0.8 0.0 0.0 73.9	0.0 2.4 0.0 0.0 0.0 0.0 241.8	0.0 -2.4 1.1 0.8 0.0 0.0 -167.9
15	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI	1 1 1 1 1 1 2 2	0 0 106 78 0 0 0 995 574 2039 0 1395	0 30 2 0 0 0 WR-NR 0 3004 1011 2927 0	0.0 0.0 1.1 0.8 0.0 0.0 73.9 14.1 0.0 16.0 0.0	0.0 2.4 0.0 0.0 0.0 0.0 241.8	0.0 -2.4 1.1 0.8 0.0 0.0 -167.9 14.1 -16.6 13.6 -38.1 22.9
15	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI	1 1 1 1 1 1 2	0 0 106 78 0 0 0 995 574 2039 0 1395 0	0 30 2 0 0 0 WR-NR 0 3004 1011 2927 0	0.0 0.0 1.1 0.8 0.0 0.0 73.9 14.1 0.0 16.0 0.0 22.9 0.0	0.0 2.4 0.0 0.0 0.0 0.0 241.8 0.0 16.6 2.4 38.1 0.0	0.0 -2.4 1.1 0.8 0.0 0.0 -167.9 14.1 -16.6 13.6 -38.1 22.9 0.0
15	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI	1 1 1 1 1 1 2 2	0 0 106 78 0 0 0 995 574 2039 0 1395	0 30 2 0 0 0 WR-NR 0 3004 1011 2927 0	0.0 0.0 1.1 0.8 0.0 0.0 73.9 14.1 0.0 16.0 0.0	0.0 2.4 0.0 0.0 0.0 0.0 241.8	0.0 -2.4 1.1 0.8 0.0 0.0 -167.9 14.1 -16.6 13.6 -38.1 22.9
15	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI	1 1 1 1 1 1 2 2	0 0 106 78 0 0 0 995 574 2039 0 1395 0	0 30 2 0 0 0 WR-NR 0 3004 1011 2927 0 0 0	0.0 0.0 1.1 0.8 0.0 0.0 73.9 14.1 0.0 16.0 0.0 22.9 0.0	0.0 2.4 0.0 0.0 0.0 0.0 0.0 241.8 0.0 16.6 2.4 38.1 0.0 0.0 0.0	0.0 -2.4 1.1 0.8 0.0 0.0 -167,9 14.1 -16.6 13.6 -38.1 22.9 0.0 0.0
15	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-AMBEWADI XELDEM-AMBEWADI XELDEM-AMBEWADI	1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 1	0 0 106 78 0 0 0 995 574 2039 0 1395 0 0	0 30 2 0 0 0 WR-NR 0 3004 1011 2927 0 0 0 113	0.0 0.0 1.1 0.8 0.0 0.0 73.9 14.1 0.0 16.0 0.0 22.9 0.0 0.0	0.0 2.4 0.0 0.0 0.0 0.0 0.0 241.8 0.0 16.6 2.4 38.1 0.0 0.0 0.0 0.0 57.1	0.0 -2.4 1.1 0.8 0.0 0.0 -167.9 14.1 -16.6 13.6 -38.1 22.9 0.0 0.0 2.1 -2.2
15	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-AMBEWADI XELDEM-AMBEWADI IN	1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 1 1 1 1 TERNATIONAL EX	0 0 106 78 0 0 0 0 995 574 2039 0 1395 0 0	0 30 2 0 0 0 WR-NR 0 3004 1011 2927 0 0 0 0 WR-SR	0.0 0.0 1.1 0.8 0.0 0.0 0.0 73.9 14.1 0.0 16.0 0.0 22.9 0.0 0.0 22.9	0.0 2.4 0.0 0.0 0.0 0.0 0.0 241.8 0.0 16.6 2.4 38.1 0.0 0.0 0.0 57.1	0.0 -2.4 1.1 0.8 0.0 0.0 -167.9 14.1 -16.6 13.6 -38.1 22.9 0.0 0.0 2.1
15	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-AMBEWADI XELDEM-AMBEWADI XELDEM-AMBEWADI	1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 1 1 1 1	0 0 106 78 0 0 0 0 1995 574 2039 0 1395 0 0 0	0 30 2 0 0 0 WR-NR 0 3004 1011 2927 0 0 0 113	0.0 0.0 1.1 0.8 0.0 0.0 73.9 14.1 0.0 16.0 0.0 22.9 0.0 0.0	0.0 2.4 0.0 0.0 0.0 0.0 0.0 241.8 0.0 16.6 2.4 38.1 0.0 0.0 0.0 0.0 57.1	0.0 -2.4 1.1 0.8 0.0 0.0 -167.9 14.1 -16.6 13.6 -38.1 22.9 0.0 0.0 2.1 -2.2 (+ve)/Export(-ve)
15	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN Region	1	0 0 106 78 0 0 0 0 995 574 2039 0 1395 0 0 0 CHANGES	0 30 2 0 0 0 WR-NR 0 3004 1011 2927 0 0 0 WR-SR	0.0 0.0 1.1 0.8 0.0 0.0 73.9 14.1 0.0 16.0 0.0 22.9 0.0 0.0 2.1 55.0	0.0 2.4 0.0 0.0 0.0 0.0 0.0 241.8 0.0 16.6 2.4 38.1 0.0 0.0 0.0 57.1	0.0 -2.4 1.1 0.8 0.0 0.0 -167.9 14.1 -16.6 13.6 -38.1 22.9 0.0 0.0 2.1 -2.2 (+ve)/Export(-ve) Energy Exchange
15	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-AMBEWADI XELDEM-AMBEWADI IN	1 1 1 1 1 1 1 2	0 0 0 106 78 0 0 0 0 0 0 0 0 0 0 0 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. Γ (from MANGDECHU	0 30 2 0 0 0 WR-NR 0 3004 1011 2927 0 0 0 0 WR-SR	0.0 0.0 1.1 0.8 0.0 0.0 0.0 73.9 14.1 0.0 16.0 0.0 22.9 0.0 0.0 22.9	0.0 2.4 0.0 0.0 0.0 0.0 0.0 241.8 0.0 16.6 2.4 38.1 0.0 0.0 0.0 57.1 Import(Avg (MW)	0.0 -2.4 1.1 0.8 0.0 0.0 -167.9 14.1 -16.6 13.6 -38.1 22.9 0.0 0.0 2.1 -2.2 +ve)/Export(-ve) Energy Exchange
15	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER	1 1 1 1 1 1 1 1 2	0 0 106 78 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 30 2 0 0 0 WR-NR 0 3004 1011 2927 0 0 0 113 WR-SR	0.0 0.0 1.1 0.8 0.0 0.0 73.9 14.1 0.0 16.0 0.0 22.9 0.0 0.0 2.1 55.0	0.0 2.4 0.0 0.0 0.0 0.0 0.0 241.8 0.0 16.6 2.4 38.1 0.0 0.0 0.0 0.0 57.1 Import(Avg (MW)	0.0 -2.4 1.1 0.8 0.0 0.0 -167.9 14.1 -16.6 13.6 -38.1 22.9 0.0 0.0 2.1 -2.2 (+ve)/Export(-ve) Energy Exchange (MII) 14.37
15	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI IN Region	1 1 1 1 1 1 1 1 1 2	0 0 106 78 0 0 0 106 78 0 0 0 0 995 574 2039 0 1395 0 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. T (from MANGDECHU I 1,2,4 (& 400kV I) i.e. BINAGURI	0 30 2 0 0 0 WR-NR 0 3004 1011 2927 0 0 0 WR-SR	0.0 0.0 1.1 0.8 0.0 0.0 73.9 14.1 0.0 16.0 0.0 22.9 0.0 0.0 2.1 55.0	0.0 2.4 0.0 0.0 0.0 0.0 0.0 241.8 0.0 16.6 2.4 38.1 0.0 0.0 0.0 57.1 Import(Avg (MW)	0.0 -2.4 1.1 0.8 0.0 0.0 -167.9 14.1 -16.6 13.6 -38.1 22.9 0.0 0.0 2.1 -2.2 (+ve)/Export(-ve) Energy Exchange
15	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER	1 1 1 1 1 1 1 1 2	0 0 106 78 0 0 0 106 78 0 0 0 0 995 574 2039 0 1395 0 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. T (from MANGDECHU I 1,2,4 (& 400kV I) i.e. BINAGURI	0 30 2 0 0 0 WR-NR 0 3004 1011 2927 0 0 0 113 WR-SR	0.0 0.0 1.1 0.8 0.0 0.0 73.9 14.1 0.0 16.0 0.0 22.9 0.0 0.0 2.1 55.0	0.0 2.4 0.0 0.0 0.0 0.0 0.0 241.8 0.0 16.6 2.4 38.1 0.0 0.0 0.0 0.0 57.1 Import(Avg (MW)	0.0 -2.4 1.1 0.8 0.0 0.0 -167.9 14.1 -16.6 13.6 -38.1 22.9 0.0 0.0 2.1 -2.2 (+ve)/Export(-ve) Energy Exchange (MII) 14.37
15	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER	1	0 0 106 78 0 0 0 106 78 0 0 0 0 0 0 0 0 0 1395 0 0 1395 0 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. T (from MANGDECHU I 1,2,4 (& 400kV d) i.e. BINAGURI EEP 6*170MW) IZA 1&Z (220kV i.e. BIRPARA RECEIPT	0 30 2 0 0 0 WR-NR 0 3004 1011 2927 0 0 0 113 WR-SR	0.0 0.0 1.1 0.8 0.0 0.0 73.9 14.1 0.0 16.0 0.0 22.9 0.0 0.0 2.1 55.0	0.0 2.4 0.0 0.0 0.0 0.0 0.0 241.8 0.0 16.6 2.4 38.1 0.0 0.0 0.0 0.0 57.1 Import(Avg (MW)	0.0 -2.4 1.1 0.8 0.0 0.0 -167.9 14.1 -16.6 13.6 -38.1 22.9 0.0 0.0 2.1 -2.2 (+ve)/Export(-ve) Energy Exchange (MU) 14.37
15	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER	1	0 0 106 78 0 0 0 106 78 0 0 0 0 0 0 0 0 0 1395 0 0 1395 0 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. T (from MANGDECHU I 1,2,4 (& 400kV d) i.e. BINAGURI EEP 6*170MW) IZA 1&Z (220kV i.e. BIRPARA RECEIPT	0 30 2 0 0 0 WR-NR 0 3004 1011 2927 0 0 0 113 WR-SR Max (MW) 659	0.0 0.0 1.1 0.8 0.0 0.0 73.9 14.1 0.0 16.0 0.0 22.9 0.0 0.0 2.1 55.0 Min (MW)	0.0 2.4 0.0 0.0 0.0 0.0 0.0 0.0 16.6 2.4 38.1 0.0 0.0 0.0 0.0 57.1 Import(Avg (MW) 599	0.0 -2.4 1.1 0.8 0.0 0.0 -167.9 14.1 -16.6 13.6 -38.1 22.9 0.0 0.0 2.1 -2.2 (+ve)/Export(-ve) Energy Exchange (MU) 14.37
15	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER	1	0 0 106 78 0 0 0 106 78 0 0 0 0 0 0 0 0 0 0 0 1395 0 0 1395 0 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. T (from MANGDECHU I 1,2,4 (& 400kV i) i.e. BINAGURI I the 6*170MW) RA 1&2 (& 220kV i.e. BIRPARA RECEIPT 84MW)	0 30 2 0 0 0 WR-NR 0 3004 1011 2927 0 0 0 113 WR-SR Max (MW) 659	0.0 0.0 1.1 0.8 0.0 0.0 0.0 73.9 14.1 0.0 16.0 0.0 22.9 0.0 0.0 2.1 55.0 Min (MW) 570	0.0 2.4 0.0 0.0 0.0 0.0 0.0 0.0 16.6 2.4 38.1 0.0 0.0 0.0 0.0 57.1 Import(Avg (MW) 599	0.0 -2.4 1.1 0.8 0.0 0.0 -167.9 14.1 -16.6 13.6 -38.1 22.9 0.0 0.0 2.1 -2.2 (+ve)/Export(-ve) Energy Exchange (MU) 14.37 23.53
15	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER	1	0 0 106 78 0 0 0 106 78 0 0 0 0 0 0 0 0 0 0 0 1395 0 0 1395 0 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. T (from MANGDECHU I 1,2,4 (& 400kV i) i.e. BINAGURI I the 6*170MW) RA 1&2 (& 220kV i.e. BIRPARA RECEIPT 84MW)	0 30 2 0 0 0 WR-NR 0 3004 1011 2927 0 0 0 113 WR-SR Max (MW) 659	0.0 0.0 1.1 0.8 0.0 0.0 73.9 14.1 0.0 16.0 0.0 22.9 0.0 0.0 2.1 55.0 Min (MW)	0.0 2.4 0.0 0.0 0.0 0.0 0.0 0.0 16.6 2.4 38.1 0.0 0.0 0.0 0.0 57.1 Importi Avg (MW) 599 981	0.0 -2.4 1.1 0.8 0.0 0.0 -167.9 14.1 -16.6 13.6 -38.1 22.9 0.0 0.0 2.1 -2.2 (+ve)/Export(-ve) Energy Exchange (MU) 14.37
15	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER	1	0 0 106 78 0 0 0 106 78 0 0 0 0 0 0 0 0 0 0 0 0 0 1395 0 0 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. T (from MANGDECHU II 1,2,4 (& 400kV i) i.e. BINAGURI HEP 6*170MW) RA 1&2 (& 220kV i.e. BIRPARA RECEIPT 84MW) KATI	0 30 2 0 0 0 WR-NR 0 3004 1011 2927 0 0 0 113 WR-SR Max (MW) 659 1028	0.0 0.0 1.1 0.8 0.0 0.0 73.9 14.1 0.0 16.0 0.0 22.9 0.0 0.0 2.1 55.0 Min (MW) 570 963	0.0 2.4 0.0 0.0 0.0 0.0 0.0 0.0 16.6 2.4 38.1 0.0 0.0 0.0 0.0 57.1 Importi Avg (MW) 599 981 153	0.0 -2.4 1.1 0.8 0.0 0.0 -167.9 14.1 -16.6 13.6 -38.1 22.9 0.0 0.0 2.1 -2.2 (+ve)/Export(-ve) Energy Exchange (MU) 14.37 23.53 3.67
15	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER	1	0 0 106 78 0 0 0 106 78 0 0 0 0 0 0 0 0 0 0 0 0 0 1395 0 0 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. T (from MANGDECHU II 1,2,4 (& 400kV i) i.e. BINAGURI HEP 6*170MW) RA 1&2 (& 220kV i.e. BIRPARA RECEIPT 84MW) KATI	0 30 2 0 0 0 WR-NR 0 3004 1011 2927 0 0 0 113 WR-SR Max (MW) 659	0.0 0.0 1.1 0.8 0.0 0.0 0.0 73.9 14.1 0.0 16.0 0.0 22.9 0.0 0.0 2.1 55.0 Min (MW) 570	0.0 2.4 0.0 0.0 0.0 0.0 0.0 0.0 16.6 2.4 38.1 0.0 0.0 0.0 0.0 57.1 Importi Avg (MW) 599 981	0.0 -2.4 1.1 0.8 0.0 0.0 -167.9 14.1 -16.6 13.6 -38.1 22.9 0.0 0.0 2.1 -2.2 (+ve)/Export(-ve) Energy Exchange (MU) 14.37 23.53
15	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER	1 1 1 1 1 1 1 1 1 1 2 1 1 2 2 2 2 2 2 2	0 0 106 78 0 0 106 78 0 0 0 0 0 0 0 0 0 0 0 1395 0 0 1395 0 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. T (from MANGDECHU I 1,2,4 (& 400kV i) i.e. BINAGURI LEP 6*170MW) RA 1&2 (& 220kV i.e. BIRPARA RECEIPT 84MW) .KATI	0 30 2 0 0 0 WR-NR 0 3004 1011 2927 0 0 0 113 WR-SR Max (MW) 659 1028	0.0 0.0 1.1 0.8 0.0 0.0 73.9 14.1 0.0 16.0 0.0 22.9 0.0 0.0 2.1 55.0 Min (MW) 570 963	0.0 2.4 0.0 0.0 0.0 0.0 0.0 0.0 16.6 2.4 38.1 0.0 0.0 0.0 0.0 57.1 Importi Avg (MW) 599 981 153 -27	0.0 -2.4 1.1 0.8 0.0 0.0 -167.9 14.1 -16.6 13.6 -38.1 22.9 0.0 0.0 2.1 -2.2 (+ve)/Export(-ve) Energy Exchange (MU) 14.37 23.53 3.67
15	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER	1 1 1 1 1 1 1 1 1 1 2 1 1 2 2 2 2 2 2 2	0 0 106 78 0 0 0 106 78 0 0 0 0 0 0 0 0 0 0 0 0 0 1395 0 0 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. T (from MANGDECHU II 1,2,4 (& 400kV i) i.e. BINAGURI HEP 6*170MW) RA 1&2 (& 220kV i.e. BIRPARA RECEIPT 84MW) KATI	0 30 2 0 0 0 WR-NR 0 3004 1011 2927 0 0 0 113 WR-SR Max (MW) 659 1028	0.0 0.0 1.1 0.8 0.0 0.0 73.9 14.1 0.0 16.0 0.0 22.9 0.0 0.0 2.1 55.0 Min (MW) 570 963	0.0 2.4 0.0 0.0 0.0 0.0 0.0 0.0 16.6 2.4 38.1 0.0 0.0 0.0 0.0 57.1 Importi Avg (MW) 599 981 153	0.0 -2.4 1.1 0.8 0.0 0.0 -167.9 14.1 -16.6 13.6 -38.1 22.9 0.0 0.0 2.1 -2.2 (+ve)/Export(-ve) Energy Exchange (MU) 14.37 23.53 3.67
15	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER NER	1 1 1 1 1 1 1 1 1 1 2 1 1 2 2 2 2 2 2 2	0 0 106 78 0 0 106 78 0 0 0 0 0 0 0 0 0 0 0 1395 0 0 1395 0 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. T (from MANGDECHU I 1,2,4 (& 400kV i) i.e. BINAGURI LEP 6*170MW) RA 1&2 (& 220kV i.e. BIRPARA RECEIPT 84MW) .KATI	0 30 2 0 0 0 WR-NR 0 3004 1011 2927 0 0 0 113 WR-SR Max (MW) 659 1028	0.0 0.0 1.1 0.8 0.0 0.0 0.0 73.9 14.1 0.0 16.0 0.0 22.9 0.0 0.0 2.1 55.0 Min (MW) 570 963	0.0 2.4 0.0 0.0 0.0 0.0 0.0 0.0 16.6 2.4 38.1 0.0 0.0 0.0 0.0 57.1 Importi Avg (MW) 599 981 153 -27	0.0 -2.4 1.1 0.8 0.0 0.0 -167.9 14.1 -16.6 13.6 -38.1 22.9 0.0 0.0 2.1 -2.2 (+ve)/Export(-ve) Energy Exchange (MU) 14.37 23.53 3.67 -0.64
15	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER NER NER	1 1 1 1 1 1 1 1 1 1 1 2 1 1 2 2 2 2 2 2	0 0 0 106 78 0 0 0 106 78 0 0 0 0 0 0 0 0 0 0 1395 0 0 1395 0 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. T (from MANGDECHU II 1,2,4 (& 400kV i) i.e. BINAGURI HEP 6*170MW) RA 1&2 (& 220kV i.e. BIRPARA RECEIPT 84MW) KATI GIA GAR-TANAKPUR(NHPC)	0 30 2 0 0 0 WR-NR 0 3004 1011 2927 0 0 0 0 113 WR-SR Max (MW) 659 1028 197 -38 -60	0.0 0.0 1.1 0.8 0.0 0.0 0.0 73.9 14.1 0.0 16.0 0.0 22.9 0.0 0.0 2.1 55.0 Min (MW) 570 963 119 -1	0.0 2.4 0.0 0.0 0.0 0.0 0.0 0.0 16.6 2.4 38.1 0.0 0.0 0.0 0.0 57.1 Importi Avg (MW) 599 981 153 -27	0.0 -2.4 1.1 0.8 0.0 0.0 -167.9 14.1 -16.6 13.6 -38.1 22.9 0.0 0.0 2.1 -2.2 (+ve)/Export(-ve) Energy Exchange (MII) 14.37 23.53 3.67 -0.64 -0.95
15	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER NER	1 1 1 1 1 1 1 1 1 1 2 1 1 2 2 2 2 2 2 2	0 0 0 106 78 0 0 0 106 78 0 0 0 0 0 0 0 0 0 0 1395 0 0 1395 0 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. T (from MANGDECHU II 1,2,4 (& 400kV i) i.e. BINAGURI HEP 6*170MW) RA 1&2 (& 220kV i.e. BIRPARA RECEIPT 84MW) KATI GIA GAR-TANAKPUR(NHPC)	0 30 2 0 0 0 WR-NR 0 3004 1011 2927 0 0 0 113 WR-SR Max (MW) 659 1028	0.0 0.0 1.1 0.8 0.0 0.0 0.0 73.9 14.1 0.0 16.0 0.0 22.9 0.0 0.0 2.1 55.0 Min (MW) 570 963	0.0 2.4 0.0 0.0 0.0 0.0 0.0 0.0 16.6 2.4 38.1 0.0 0.0 0.0 0.0 0.0 57.1 Importi Avg (MW) 599 981 153 -27 -40	0.0 -2.4 1.1 0.8 0.0 0.0 -167.9 14.1 -16.6 13.6 -38.1 22.9 0.0 0.0 2.1 -2.2 (+ve)/Export(-ve) Energy Exchange (MII) 14.37 23.53 3.67 -0.64
15	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER NER NER NER	1 1 1 1 1 1 1 1 1 1 1 2 1 1 2 2 2 2 2 2	0 0 0 106 78 0 0 0 106 78 0 0 0 0 0 0 0 0 0 0 0 1395 0 0 1395 0 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. T (from MANGDECHU II 1,2,4 (& 400kV i) i.e. BINAGURI HEP 6*170MW) RA 1&2 (& 220kV i.e. BIRPARA RECEIPT 84MW) KATI GIA GAR-TANAKPUR(NHPC) M BIHAR)	0 30 2 0 0 0 WR-NR 0 3004 1011 2927 0 0 0 0 113 WR-SR Max (MW) 659 1028 197 -38 -60	0.0 0.0 1.1 0.8 0.0 0.0 0.0 73.9 14.1 0.0 16.0 0.0 22.9 0.0 0.0 2.1 55.0 Min (MW) 570 963 119 -1 -24	0.0 2.4 0.0 0.0 0.0 0.0 0.0 0.0 16.6 2.4 38.1 0.0 0.0 0.0 0.0 0.0 57.1 Importi Avg (MW) 599 981 153 -27 -40 -26	0.0 -2.4 1.1 0.8 0.0 0.0 -167.9 14.1 -16.6 13.6 -38.1 22.9 0.0 0.0 2.1 -2.2 (+ve)/Export(-ve) Energy Exchange (MII) 14.37 23.53 3.67 -0.64 -0.95 -0.63 -0.49
15	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER NER NER	1 1 1 1 1 1 1 1 1 1 1 2 1 1 2 2 2 2 2 2	0 0 0 106 78 0 0 0 106 78 0 0 0 0 0 0 0 0 0 0 0 1395 0 0 1395 0 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. T (from MANGDECHU II 1,2,4 (& 400kV i) i.e. BINAGURI HEP 6*170MW) RA 1&2 (& 220kV i.e. BIRPARA RECEIPT 84MW) KATI GIA GAR-TANAKPUR(NHPC) M BIHAR)	0 30 2 0 0 0 WR-NR 0 3004 1011 2927 0 0 0 0 113 WR-SR Max (MW) 659 1028 197 -38 -60	0.0 0.0 1.1 0.8 0.0 0.0 0.0 73.9 14.1 0.0 16.0 0.0 22.9 0.0 0.0 2.1 55.0 Min (MW) 570 963 119 -1	0.0 2.4 0.0 0.0 0.0 0.0 0.0 0.0 16.6 2.4 38.1 0.0 0.0 0.0 0.0 0.0 57.1 Importi Avg (MW) 599 981 153 -27 -40	0.0 -2.4 1.1 0.8 0.0 0.0 -167.9 14.1 -16.6 13.6 -38.1 22.9 0.0 0.0 2.1 -2.2 (+ve)/Export(-ve) Energy Exchange (MII) 14.37 23.53 3.67 -0.64 -0.95
15	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER NER NER NER	1 1 1 1 1 1 1 1 1 1 1 1 2 1 1 2 2 2 2 2	0 0 0 106 78 0 0 0 106 78 0 0 0 0 0 0 0 0 0 0 0 1395 0 0 1395 0 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. T (from MANGDECHU II 1,2,4 (& 400kV i) i.e. BINAGURI HEP 6*170MW) RA 1&2 (& 220kV i.e. BIRPARA RECEIPT 84MW) KATI GIA GAR-TANAKPUR(NHPC) M BIHAR)	0 30 2 0 0 0 WR-NR 0 3004 1011 2927 0 0 0 0 113 WR-SR Max (MW) 659 1028 197 -38 -60	0.0 0.0 1.1 0.8 0.0 0.0 0.0 73.9 14.1 0.0 16.0 0.0 22.9 0.0 0.0 2.1 55.0 Min (MW) 570 963 119 -1 -24	0.0 2.4 0.0 0.0 0.0 0.0 0.0 0.0 16.6 2.4 38.1 0.0 0.0 0.0 0.0 0.0 57.1 Importi Avg (MW) 599 981 153 -27 -40 -26	0.0 -2.4 1.1 0.8 0.0 0.0 -167.9 14.1 -16.6 13.6 -38.1 22.9 0.0 0.0 2.1 -2.2 (+ve)/Export(-ve) Energy Exchange (MII) 14.37 23.53 3.67 -0.64 -0.95 -0.63 -0.49
15	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER NER NER NER	1 1 1 1 1 1 1 1 1 1 1 1 2 1 1 2 2 2 2 2	0 0 0 106 78 0 0 0 106 78 0 0 0 0 0 0 0 0 0 0 0 1395 0 0 1395 0 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. T (from MANGDECHU II 1,2,4 (& 400kV i) i.e. BINAGURI IEP 6*170MW) RA 1&2 (& 220kV i.e. BIRPARA RECEIPT 84MW) .KATI GIA GAR-TANAKPUR(NHPC) M BIHAR) UZAFFARPUR 1&2	0 30 2 0 0 0 WR-NR 0 3004 1011 2927 0 0 0 0 113 WR-SR Max (MW) 659 1028 197 -38 -60	0.0 0.0 1.1 0.8 0.0 0.0 0.0 73.9 14.1 0.0 16.0 0.0 22.9 0.0 0.0 2.1 55.0 Min (MW) 570 963 119 -1 -24	0.0 2.4 0.0 0.0 0.0 0.0 0.0 0.0 16.6 2.4 38.1 0.0 0.0 0.0 0.0 0.0 57.1 Importi Avg (MW) 599 981 153 -27 -40 -26	0.0 -2.4 1.1 0.8 0.0 0.0 -0.0 -167.9 14.1 -16.6 13.6 -38.1 22.9 0.0 0.0 2.1 -2.2 (+ve)/Export(-ve) Energy Exchange (MU) 14.37 23.53 3.67 -0.64 -0.95 -0.63
15	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI ER ER NER NER NER ER ER	1	0 0 0 106 78 0 0 0 106 78 0 0 0 0 0 0 0 0 0 0 0 1395 0 0 1395 0 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. T (from MANGDECHU II 1,2,4 (& 400kV i) i.e. BINAGURI IEP 6*170MW) RA 1&2 (& 220kV i.e. BIRPARA RECEIPT 84MW) .KATI GIA GAR-TANAKPUR(NHPC) M BIHAR) UZAFFARPUR 1&2	0 30 2 0 0 0 WR-NR 0 3004 1011 2927 0 0 0 113 WR-SR Max (MW) 659 1028 197 -38 -60 -62 -21	0.0 0.0 1.1 0.8 0.0 0.0 0.0 73.9 14.1 0.0 16.0 0.0 22.9 0.0 0.0 2.1 55.0 Min (MW) 570 963 119 -1 -24	0.0 2.4 0.0 0.0 0.0 0.0 0.0 0.0 16.6 2.4 38.1 0.0 0.0 0.0 0.0 0.0 57.1 Importi Avg (MW) 599 981 153 -27 -40 -26 -20	0.0 -2.4 1.1 0.8 0.0 0.0 0.0 -167.9 14.1 -16.6 13.6 -38.1 22.9 0.0 0.0 2.1 -2.2 (+ve)/Export(-ve) Energy Exchange (MU) 14.37 23.53 3.67 -0.64 -0.95 -0.63 -0.49 8.02
15	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI ER ER ER ER ER ER ER ER ER	1	0 0 0 106 78 0 0 0 106 78 0 0 0 0 0 0 0 0 0 0 0 1395 0 0 1395 0 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. T (from MANGDECHU II 1,2,4 (& 400kV i) i.e. BINAGURI IEP 6*170MW) RA 1&2 (& 220kV i.e. BIRPARA RECEIPT 84MW) .KATI GIA GAR-TANAKPUR(NHPC) M BIHAR) UZAFFARPUR 1&2	0 30 2 0 0 0 WR-NR 0 3004 1011 2927 0 0 0 0 113 WR-SR Max (MW) 659 1028 197 -38 -60 -62 -21	0.0 0.0 1.1 0.8 0.0 0.0 0.0 73.9 14.1 0.0 16.0 0.0 22.9 0.0 0.0 2.1 55.0 Min (MW) 570 963 119 -1 -24 0 -17	0.0 2.4 0.0 0.0 0.0 0.0 0.0 0.0 16.6 2.4 38.1 0.0 0.0 0.0 0.0 0.0 57.1 Importi Avg (MW) 599 981 153 -27 -40 -26 -20	0.0 -2.4 1.1 0.8 0.0 0.0 -167.9 14.1 -16.6 13.6 -38.1 22.9 0.0 0.0 2.1 -2.2 (+ve)/Export(-ve) Energy Exchange (MU) 14.37 23.53 3.67 -0.64 -0.95 -0.63 -0.49 8.02
15	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI ER ER NER NER NER ER ER	1	0 0 0 106 78 0 0 0 106 78 0 0 0 0 0 0 0 0 0 0 1395 0 0 1395 0 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 Le. T (from MANGDECHU II 1,2,4 (& 400kV t) i.e. BINAGURI HEP 6*170MW) RA 1&2 (& 220kV i.e. BIRPARA RECEIPT 84MW) .KATI GIA GAR-TANAKPUR(NHPC) M BIHAR) UZAFFARPUR 1&2	0 30 2 0 0 0 WR-NR 0 3004 1011 2927 0 0 0 113 WR-SR Max (MW) 659 1028 197 -38 -60 -62 -21	0.0 0.0 1.1 0.8 0.0 0.0 0.0 73.9 14.1 0.0 16.0 0.0 22.9 0.0 0.0 2.1 55.0 Min (MW) 570 963 119 -1 -24	0.0 2.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 16.6 2.4 38.1 0.0 0.0 0.0 0.0 57.1 Importi Avg (MW) 599 981 153 -27 -40 -26 -20 167	0.0 -2.4 1.1 0.8 0.0 0.0 -167.9 14.1 -16.6 13.6 -38.1 22.9 0.0 0.0 2.1 -2.2 (+ve)/Export(-ve) Energy Exchange (MU) 14.37 23.53 3.67 -0.64 -0.95 -0.63 -0.49 8.02
15	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER ER ER ER ER ER ER ER E	1	0 0 0 106 78 0 0 0 106 78 0 0 0 0 0 0 0 0 1395 0 0 1395 0 0 0 1395 0 0 1395 10 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. T (from MANGDECHU II 1,2,4 (& 400kV I) i.e. BINAGURI HEP 6*170MW) RA 1&2 (& 220kV i.e. BIRPARA RECEIPT 84MW) KATI GIA GAR-TANAKPUR(NHPC) M BIHAR) UZAFFARPUR 1&2 DC (B'DESH) HANPUR (B'DESH) D/C	0 30 2 0 0 0 WR-NR 0 3004 1011 2927 0 0 0 0 113 WR-SR Max (MW) 659 1028 197 -38 -60 -62 -21 167 -923	0.0 0.0 1.1 0.8 0.0 0.0 73.9 14.1 0.0 16.0 0.0 22.9 0.0 0.0 2.1 55.0 Min (MW) 570 963 119 -1 -24 0 -17 0 -919	0.0 2.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 16.6 2.4 38.1 0.0 0.0 0.0 0.0 57.1 Importi Avg (MW) 599 981 153 -27 -40 -26 -20 167 -922	0.0 -2.4 1.1 0.8 0.0 0.0 -167.9 14.1 -16.6 13.6 -38.1 22.9 0.0 0.0 2.1 -2.2 (+ve)/Export(-ve) Energy Exchange (MU) 14.37 23.53 3.67 -0.64 -0.95 -0.63 -0.49 8.02 -22.13 -16.10
15	BHANPURA-RANPUR BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR (With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI ER ER ER ER ER ER ER ER ER	1	0 0 0 106 78 0 0 0 106 78 0 0 0 0 0 0 0 0 1395 0 0 1395 0 0 0 1395 0 0 1395 10 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. T (from MANGDECHU II 1,2,4 (& 400kV I) i.e. BINAGURI HEP 6*170MW) RA 1&2 (& 220kV i.e. BIRPARA RECEIPT 84MW) KATI GIA GAR-TANAKPUR(NHPC) M BIHAR) UZAFFARPUR 1&2 DC (B'DESH) HANPUR (B'DESH) D/C	0 30 2 0 0 0 WR-NR 0 3004 1011 2927 0 0 0 0 113 WR-SR Max (MW) 659 1028 197 -38 -60 -62 -21	0.0 0.0 1.1 0.8 0.0 0.0 0.0 73.9 14.1 0.0 16.0 0.0 22.9 0.0 0.0 2.1 55.0 Min (MW) 570 963 119 -1 -24 0 -17	0.0 2.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 16.6 2.4 38.1 0.0 0.0 0.0 0.0 57.1 Importi Avg (MW) 599 981 153 -27 -40 -26 -20 167	0.0 -2.4 1.1 0.8 0.0 0.0 -167.9 14.1 -16.6 13.6 -38.1 22.9 0.0 0.0 2.1 -2.2 (+ve)/Export(-ve) Energy Exchange (MU) 14.37 23.53 3.67 -0.64 -0.95 -0.63 -0.49 8.02

CROSS BORDER EXCHANGE SCHEDULE

Date of Reporting: 07-Jul-2023

Export From India (in MU)

			STOA							
	(ISGS/LTA/MTOA)		COLLECTIVE]	
Country	PPA	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	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	
Bangladesh	22.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.16	
Myanmar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Total Export	22.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.30	

Import by India(in MU)

Import by India(in MU)										
			STOA							
	(ISGS/LTA/MTOA)		COLLECTIVE							
Country	PPA	BILATERAL		IDAM			RTM		TOTAL	
		TOTAL	IEX	PXIL	HPX	IEX	PXIL	HPX		
Bhutan	39.60	2.59	0.00	0.00	0.00	0.00	0.00	0.00	42.19	
Nepal	0.00	0.00	8.73	0.00	0.00	0.00	0.00	0.00	8.73	
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	39.60	2.59	8.73	0.00	0.00	0.00	0.00	0.00	50.92	

Net from India(in MU)	-ve : Export / +ve : Import						
	STOA						
ДССЕД ТАЛИТО	 COLLECTIVE						

	STOA								
	(ISGS/LTA/MTOA)		COLLECTIVE						
Country	PPA	BILATERAL	IDAM			RTM			TOTAL
		TOTAL	IEX	PXIL	HPX	IEX	PXIL	HPX	
Bhutan	39.60	2.59	0.00	0.00	0.00	0.00	0.00	0.00	42.19
Nepal	-0.14	0.00	8.73	0.00	0.00	0.00	0.00	0.00	8.59
Bangladesh	-22.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-22.16
Myanmar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Net	17.30	2.59	8.73	0.00	0.00	0.00	0.00	0.00	28.62