

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

दिनांक: 23.04.2025

Ref: GRID-INDIA/NLDC/SO/Daily PSP Report

To,

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 22.04.2025.

महोदय/Sir,

आई॰ई॰जी॰सी॰-2023 की धारा स.-38(1) के प्रावधान के अनुसार, दिनांक 22-अप्रैल-2025 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रा॰भा॰प्रे॰के॰ की वेबसाइट पर उप्लब्ध है |

As per article 38(1) of the Indian Electricity Grid Code, the daily report pertaining power supply position of All India Power System for the date 22.04.2025, is available at the NLDC website.

धन्यवाद, Thanks

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



Date of Reporting: 23-Apr-2025

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 20:00 hrs; from RLDCs)	66003	69620	53570	28995	2898	221086
Peak Shortage (MW)	156	1353	50	209	0	1768
Energy Met (MU)	1434	1725	1309	651	54	5174
Hydro Gen (MU)	196	65	90	32	12	397
Wind Gen (MU)	15	85	32	-	-	132
Solar Gen (MU)*	227.50	153.53	136.42	4.11	0.42	522
Energy Shortage (MU)	5.09	15.84	0.42	2.51	0.00	23.86
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	67618	79256	62182	30468	2975	227765
Time Of Maximum Demand Met	22:11	15:49	15:31	23:29	18:42	15:36

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	0.064	0.37	2.33	6.94	9.64	71.48	18.88

C. Power Supply Position in States

C. Fower Supply F	ostron in States	Max.Demand	Shortage during	Energy Met	Drawal	OD(+)/UD(-)	Max OD	Energy
Region	States	Met during the	maximum		Schedule	. , , , , ,		Shortage (MU)
		day (MW)	Demand (MW)	(MU)	(MU)	(MU)	(MW)	
	Punjab	9273	0	178.1	66.6	0.2	509	0.00
	Harvana	9296	0	191.6	133.1	-0.3	371	2.81
	Rajasthan	14229	0	305.2	85.7	-2.3	267	0.00
	Delhi	5478	0	113.9	93.2	-2.7	420	0.00
NR	UP	24931	0	498.1	150.6	-0.5	469	0.00
	Uttarakhand	2325	80	47.8	29.2	0.4	288	2.13
	HP	1691	0	33.9	14.3	0.1	501	0.00
	J&K(UT) & Ladakh(UT)	2629	0	55.3	36.5	-2.1	118	0.15
	Chandigarh	302	0	5.9	5.9	0.0	22	0.00
	Railways_NR ISTS	199	0	4.4	3.3	1.1	96	0.00
	Chhattisgarh	6495	0	142.8	90.6	1.9	763	9.86
	Gujarat	25439	0	505.3	190.9	-9.0	467	0.00
	MP	14239	0	311.7	180.7	0.4	610	2.55
WR	Maharashtra	30659	0	684.1	254.2	4.1	887	3.36
	Goa	784	25	17.1	16.5	0.1	110	0.08
	DNHDDPDCL	1358	0	31.1	30.7	0.4	56	0.00
	AMNSIL	827	0	18.2	6.8	0.5	297	0.00
	BALCO	534	0	12.7	12.7	0.1	23	0.00
	RIL JAMNAGAR	160	0	1.9	1.8	0.1	0	0.00
	Andhra Pradesh	12514	0	246.4	74.5	0.1	476	0.00
	Telangana	11789	0	238.9	94.1	0.7	483	0.00
SR	Karnataka	14104	0	287.3	101.4	-3.4	1167	0.00
	Kerala	5040	0	102.9	72.1	0.8	525	0.12
	Tamil Nadu	19661	0	423.1	267.1	1.8	866	0.00
	Puducherry	484	50	10.8	10.5	0.2	59	0.30
	Bihar	7285	0	149.3	138.4	0.5	782	2.39
	DVC	3326	0	72.6	-43.4	1.0	625	0.00
	Jharkhand	2224	0	47.9	38.3	0.8	170	0.11
ER	Odisha	6667	0	134.1	40.8	0.4	684	0.00
	West Bengal	11650	0	245.7	118.7	1.3	637	0.00
	Sikkim	89	0	1.4	1.2	0.2	53	0.00
	Railways ER ISTS	14	0	0.2	0.1	0.1	3	0.00
	Arunachal Pradesh	171	0	2.9	2.8	0.0	22	0.00
	Assam	1769	0	33.0	26.8	0.1	103	0.00
	Manipur	219	0	2.8	2.8	0.0	77	0.00
NER	Meghalaya	310	0	5.3	3.3	-0.3	63	0.00
	Mizoram	126	0	2.4	1.8	0.0	18	0.00
	Nagaland	169	0	2.6	2.6	0.0	18	0.00
	Tripura	305	0	5.3	4.9	0.3	58	0.00

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

	Bhutan	Nepal	Bangladesh	Godda -> Bangladesh
Actual (MU)	0.3	-12.4	-22.8	-31.8
Day Peak (MW)	-11.0	-865.3	-1021.0	-1376.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	84.0	-250.1	182.9	-24.4	7.6	0.0
Actual(MU)	61.9	-234.7	169.6	-6.8	7.9	-2.3
O/D/U/D(MU)	-22.1	15.4	-13.3	17.6	0.2	-2.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	2686	8029	4002	4018	361	19096	48
State Sector	4719	9846	4046	2302	119	21032	52
Total	7405	17875	8048	6320	480	40127	100

G. Sourcewise generation (Gross) (MU)

G. Sourcewise generation (Gross) (MC)							
	NR	WR	SR	ER	NER	All India	% Share
Coal	907	1655	790	715	15	4083	73
Lignite	24	14	43	0	0	80	1
Hydro	196	65	90	32	12	397	7
Nuclear	34	65	71	0	0	170	3
Gas, Naptha & Diesel	53	95	12	0	24	184	3
RES (Wind, Solar, Biomass & Others)	252	240	199	6	0	698	12
Total	1466	2134	1206	754	53	5612	100
Share of RES in total generation (%)	17.21	11.25	16.50	0.80	0.80	12.42]
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	32.90	17.35	29.89	5.11	24.41	22.52	

11. 111 India Demand Diversity Lactor	
Based on Regional Max Demands	1.064
Based on State Max Demands	1.092

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

1. 711 India I cak Demand and Shortage at Solar and Fron-Solar IIour							
	Max Demand Met(MW)	Time	Shortage(MW)				
Solar hr	227765	15:36	0				
Non-Solar hr	223268	22:23	3013				

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 -> 60.600 to 18:001rs 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)

Sl No							Date of Reporting:	23-Apr-2025
Υ	Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
	rt/Export of ER (Ι Δ	0	0.0	0.0	0.0
2	HVDC HVDC	ALIPURDUAR-AGRA PUSAULI B/B	-	0	47	0.0	2.5	-2.5
3	765 kV 765 kV	GAYA-VARANASI SASARAM-FATEHPUR	2	1394 599	254 204	8.9 1.5	0.0	8.9 1.5
5	765 kV 400 kV	GAYA-BALIA PUSAULI-VARANASI	1	100	462 212	0.0 0.0	4.9 3.0	-4.9 -3.0
7	400 kV	PUSAULI -ALLAHABAD	ī	124	19	0.6	0.0	0.6
9	400 kV 400 kV	MUZAFFARPUR-GORAKHPUR PATNA-BALIA	2 2	927 687	121 301	6.7 1.0	0.0	6.7 1.0
10	400 kV	NAUBATPUR-BALIA	2	289	137	1.4	0.0	1.4
11 12	400 kV 400 kV	BIHARSHARIFF-BALIA MOTIHARI-GORAKHPUR	2 2	756 415	0 180	8.5 1.0	0.0	8.5 1.0
13	400 kV 220 kV	BIHARSARIFF-SAHUPURI	2	0 13	0 45	2.9 0.9	0.0	2.9 0.9
14 15	132 kV	SAHUPURI-KARAMNASA NAGAR UNTARI-RIHAND	1	0	0	0.1	0.0	0.1
16 17	132 kV 132 kV	GARWAH-RIHAND KARMANASA-SAHUPURI	1	30	0	0.7 0.0	0.0	0.7 0.0
18	132 kV	KARMANASA-CHANDAULI	î	0	0	0.0	0.0	0.0
Impor	rt/Export of ER (With WR)			ER-NR	34.1	10.4	23.7
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	1178	514	4.1	0.0	4.1
3	765 kV 765 kV	NEW RANCHI-DHARAMJAIGARH JHARSUGUDA-DURG	2 2	1720 0	0 976	24.6 0.0	0.0 15.6	24.6 -15.6
4 5	400 kV 400 kV	JHARSUGUDA-RAIGARH	4 2	0 347	691 93	0.0	10.1 0.0	-10.1
6	220 kV	RANCHI-SIPAT BUDHIPADAR-RAIGARH	1	96	122	3.2 0.0	0.9	3.2 -0.9
7	220 kV	BUDHIPADAR-KORBA	2	119	131 ER-WR	0.0 31.9	0.8 27.4	-0.8 4.5
Impor	rt/Export of ER (With SR)			ER-WK	31.9	27.4	4.0
1 2	HVDC HVDC	JEYPORE-GAZUWAKA B/B	2	201 0	0 1763	3.3 0.0	0.0 45.8	3.3 -45.8
3	765 kV	TALCHER-KOLAR BIPOLE ANGUL-SRIKAKULAM	2	0	2787	0.0	50.0	-50.0
5	400 kV	TALCHER-I/C BALIMELA-UPPER-SILERRU	2	389 0	725 0	0.0 0.0	1.9 0.0	-1.9 0.0
					ER-SR	3.3	95.7	-92.4
	rt/Export of ER (With NER) BINAGURI-BONGAIGAON	2	402	79	2.0	0.0	2.0
2	400 kV	ALIPURDUAR-BONGAIGAON	2	482 677	131	3.9 5.6	0.0	3.9 5.6
3	220 kV	ALIPURDUAR-SALAKATI	2	140	25 ER-NER	1.3 10.7	0.0	1.3 10.7
Impor	rt/Export of NER				EK-NEK	10./		10./
1		BISWANATH CHARIALI-AGRA	2	951	0 NED ND	19.0	0.0	19.0
Impor	rt/Export of WR (With NR)			NER-NR	19.0	0.0	19.0
1	HVDC	CHAMPA-KURUKSHETRA VINDHYACHAL B/B	2	0	2006	0.0	48.0	-48.0
3	HVDC HVDC	VINDHYACHAL B/B MUNDRA-MOHINDERGARH	2	98	0 1458	2.3 0.0	0.0 36.4	2.3 -36.4
4	765 kV	GWALIOR-AGRA	2	557	1713	2.0	17.7	-15.7
6	765 kV 765 kV	GWALIOR-PHAGI JABALPUR-ORAI	2 2	1486 503	1053 825	9.4 3.0	12.1 8.6	-2.7 -5.6
7 8	765 kV 765 kV	GWALIOR-ORAI SATNA-ORAI	1	654 0	0 933	10.0 0.0	0.0 14.7	10.0 -14.7
9	765 kV	BANASKANTHA-CHITORGARH	2	1978	454	15.9	1.1	14.8
10 11	765 kV 400 kV	VINDHYACHAL-VARANASI ZERDA-KANKROLI	2	0 480	2769 85	0.0 4.2	49.7 0.2	-49.7 4.0
12	400 kV	ZERDA -BHINMAL	1	326	59	2.9	0.1	2.8
13 14	400 kV 400 kV	VINDHYACHAL -RIHAND RAPP-SHUJALPUR	1 2	975 677	0 164	22.2 5.7	0.0 1.0	22.2 4.7
15 16	400 kV 220 kV	NEEMUCH-Chittorgarh BHANPURA-RANPUR	2	914	185 138	8.1 0.0	0.9 2.8	7.2
17	±∠U R∜							
	220 kV	BHANPURA-MORAK	i	0	30	0.0	2.2	-2.8 -2.2
18 19	220 kV	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA	1 1 1	0 111	30	0.0 1.8		-2.2 1.8
19 20	220 kV 220 kV 132 kV	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR	1 1 1	0 111 88 0	30 0 0 0	0.0 1.8 1.3 0.0	2.2 0.0 0.0 0.0	-2.2 1.8 1.3 0.0
19 20 21	220 kV 220 kV 132 kV 132 kV	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR	1 1	0 111 88	30 0 0	0.0 1.8 1.3 0.0 0.0	2.2 0.0 0.0	-2.2 1.8 1.3 0.0 0.0
19 20 21 Impor	220 kV 220 kV 132 kV 132 kV 17/Export of WR (BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR)	1 1 1	0 111 88 0	30 0 0 0 0 WR-NR	0.0 1.8 1.3 0.0 0.0 88.8	2.2 0.0 0.0 0.0 0.0 195.5	-2.2 1.8 1.3 0.0 0.0 -106.8
19 20 21 Impor 1 2	220 kV 220 kV 132 kV 132 kV 132 kV rt/Export of WR (HVDC HVDC	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR	1 1 1	0 111 88 0	30 0 0 0 0	0.0 1.8 1.3 0.0 0.0	2.2 0.0 0.0 0.0 0.0 195.5	-2.2 1.8 1.3 0.0 0.0
19 20 21 Impor 1 2 3	220 kV 220 kV 132 kV 132 kV 142 kV 152 kV 152 kV	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAIGHUR	1 1 1 2	0 1111 888 0 0 0	30 0 0 0 0 WR-NR 1012 3505 1004	0.0 1.8 1.3 0.0 0.0 88.8 0.0 0.0 4.9	2.2 0.0 0.0 0.0 0.0 195.5 20.3 63.4 7.6	-2.2 1.8 1.3 0.0 0.0 -106.8 -20.3 -63.4 -2.7
19 20 21 Impor 1 2 3 4 5	220 kV 220 kV 132 kV 132 kV 132 kV rt/Export of WR (HVDC HVDC 765 kV 765 kV	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAIGHUR WARDHA-NIZAMABAD WARORA-WARANGALINEW)	1 1 1 2 2	0 1111 888 0 0 0 0 803 0	30 0 0 0 0 0 WR-NR 1012 3505 1004 1921 2477	0.0 1.8 1.3 0.0 0.0 88.8 0.0 0.0 4.9 0.0	2.2 0.0 0.0 0.0 0.0 195.5 20.3 63.4 7.6 26.2 35.0	-2.2 1.8 1.3 0.0 0.0 -106.8 -20.3 -63.4 -2.7 -26.2 -35.0
19 20 21 Impor 1 2 3 4 5 6	220 kV 220 kV 132 kV 132 kV 132 kV 14/Export of WR (HVDC HVDC 765 kV 765 kV 765 kV 400 kV	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD WARORA-WARANGAL(NEW) KOLHAPUR-KUDGI	1 1 1 1 2	0 1111 888 0 0 0	30 0 0 0 0 WR-NR 1012 3505 1004 1921 2477 0	0.0 1.8 1.3 0.0 0.0 88.8 0.0 0.0 4.9 0.0 0.0 19.8	2.2 0.0 0.0 0.0 0.0 195.5 20.3 63.4 7.6 26.2 35.0 0.0	-2.2 1.8 1.3 0.0 0.0 -106.8 -20.3 -63.4 -2.7 -26.2 -35.0 19.8
19 20 21 Impor 1 2 3 4 5 6 7 8	220 kV 220 kV 132 kV 132 kV 132 kV 142 kV 142 kV 143 kV 145 kV 145 kV 145 kV 140 kV 140 kV 140 kV 140 kV 140 kV 140 kV 140 kV 140 kV 140 kV	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI BB RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD WARORA-WARANGALINEW) KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI	1 1 1 2 2 2 2 2 2 2 2 2 2 2	0 1111 88 0 0 0 0 803 0 0 1221 0	30 0 0 0 0 WR-NR 1012 3505 1004 1921 2477 0 0	0.0 1.8 1.3 0.0 0.0 0.0 88.8 0.0 0.0 4.9 0.0 0.0 19.8 0.0	2.2 0.0 0.0 0.0 0.0 195.5 20.3 63.4 7.6 26.2 35.0 0.0 0.0	-2.2 1.8 1.3 0.0 0.0 -106.8 -20.3 -63.4 -2.7 -26.2 -35.0 19.8 0.0
19 20 21 Impor 1 2 3 4 5 6 7	220 kV 220 kV 132 kV 132 kV 14 kV 152 kV 152 kV 155 kV 165 kV 165 kV 165 kV 165 kV 165 kV 165 kV 165 kV	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WIth SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD WARORA-WARANGALINEW) KOLHAPUR-KUDGI KOLHAPUR-CHIKODI	1 1 1 2 2 2 2 2 2 2 2 2 2 2	0 1111 888 0 0 0 0 803 0 0 1221 0	30 0 0 0 0 WR-NR 1012 3505 1004 1921 2477 0 0 0	0.0 1.8 1.3 0.0 0.0 0.0 88.8 0.0 0.0 4.9 0.0 19.8 0.0 0.0 0.0 2.5	2.2 0.0 0.0 0.0 0.0 195.5 20.3 63.4 7.6 26.2 35.0 0.0 0.0	-2.2 1.8 1.3 0.0 0.0 -106.8 -20.3 -63.4 -2.7 -26.2 -35.0 19.8 0.0 0.0 0.0
19 20 21 Impor 1 2 3 4 5 6 7 8	220 kV 220 kV 132 kV 132 kV 132 kV 142 kV 142 kV 143 kV 145 kV 145 kV 145 kV 140 kV 140 kV 140 kV 140 kV 140 kV 140 kV 140 kV 140 kV 140 kV	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WITH SR BHADRAWATI B/B RAIGABH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD WARDRA-WARANGALINEW) KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	1 1 2 2 2 2 2 2 2 2 2 1 1 1 1	0 1111 888 0 0 0 0 803 0 0 1221 0 0	30 0 0 0 0 WR-NR 1012 3505 1004 1921 2477 0 0	0.0 1.8 1.3 0.0 0.0 0.0 88.8 0.0 0.0 4.9 0.0 0.0 19.8 0.0	2.2 0.0 0.0 0.0 0.0 195.5 20.3 63.4 7.6 26.2 35.0 0.0 0.0 0.0 0.0	-2.2 1.8 1.3 0.0 0.0 -106.8 -20.3 -63.4 -2.7 -26.2 -35.0 19.8 0.0 0.0 0.0 -2.5 -2.5 -2.5 -2.5 -2.5 -2.5 -2.5 -2.5 -2.5
19 20 21 Impor 1 2 3 4 5 6 7 8	220 kV 220 kV 132 kV 132 kV rt/Export of WR (HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WIth SR) BHADRAWATI B/B RAIGARE-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD WARORA-WARANGALINEW) KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	1 1 1 2 2 2 2 2 2 2 2 2 2 1 1 1 TERNATIONAL EX	0 1111 888 0 0 0 0 803 0 0 1221 0 0 0	30 0 0 0 0 WR-NR 1012 3505 1004 1921 2477 0 0 0 WR-SR	0.0 1.8 1.3 0.0 0.0 88.8 0.0 0.0 4.9 0.0 19.8 0.0 2.5 27.2	2.2 0.0 0.0 0.0 0.0 0.0 195.5 20.3 63.4 7.6 26.2 35.0 0.0 0.0 0.0 152.4	2.2 1.8 1.3 0.0 0.0 0.0 106.8 -20.3 -63.4 -2.7 -2.6.2 -35.0 0.0 0.0 0.0 -125.2 (+ve)/Export(-ve) Energy Exchange
19 20 21 Impor 1 2 3 4 5 6 7 8	220 kV 220 kV 132 kV 132 kV 132 kV 142 kV 142 kV 143 kV 145 kV 145 kV 145 kV 140 kV 140 kV 140 kV 140 kV 140 kV 140 kV 140 kV 140 kV 140 kV	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WITH SR BHADRAWATI B/B RAIGABH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD WARDRA-WARANGALINEW) KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	- 1 1 1 2 2 2 2 2 2 2 2 2 2 2 1 1 1 TERNATIONAL EX	0 1111 888 0 0 0 0 803 0 0 1221 0 0	30 0 0 0 0 WR-NR 1012 3505 1004 1921 2477 0 0 0	0.0 1.8 1.3 0.0 0.0 0.0 88.8 0.0 0.0 4.9 0.0 19.8 0.0 0.0 0.0 2.5	2.2 0.0 0.0 0.0 0.0 195.5 20.3 63.4 7.6 26.2 35.0 0.0 0.0 0.0 0.0	2.2 1.8 1.3 0.0 0.0 -106.8 -20.3 -63.4 -2.7 -26.2 -35.0 0.0 0.0 2.5 -125.2 (+ve)/Export(-ve)
19 20 21 Impor 1 2 3 4 5 6 7 8	220 kV 220 kV 132 kV 132 kV rt/Export of WR (HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WIth SR) BHADRAWATI B/B RAIGARE-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD WARORA-WARANGALINEW) KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	1	0 1111 888 0 0 0 0 803 0 0 1221 0 0 0 0 CHANGES	30 0 0 0 0 WR-NR 1012 3505 1004 1921 2477 0 0 0 WR-SR	0.0 1.8 1.3 0.0 0.0 88.8 0.0 0.0 4.9 0.0 19.8 0.0 2.5 27.2	2.2 0.0 0.0 0.0 0.0 0.0 195.5 20.3 63.4 7.6 26.2 35.0 0.0 0.0 0.0 152.4	2.2 1.8 1.3 0.0 0.0 0.0 106.8 -20.3 -63.4 -2.7 -2.6.2 -35.0 0.0 0.0 0.0 -125.2 (+ve)/Export(-ve) Energy Exchange
19 20 21 Impor 1 2 3 4 5 6 7 8	220 kV 220 kV 132 kV 132 kV rt/Export of WR (HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WITH SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHANIZAMABAD WARORA-WARANGAI(NEW) KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region	1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 1 1 1 TERNATIONAL EX Line 400kV MANGDECHHU-ALIPURDUAR RECEIP HEP 4º 180MW) 400kV TALA-BINAGUR	0 1111 88 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0	30 0 0 0 0 WR-NR 1012 3505 1004 1921 2477 0 0 0 WR-SR	0.0 1.8 1.3 1.3 0.0 0.0 0.0 88.8 0.0 0.0 4.9 0.0 19.8 0.0 0.0 0.0 19.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	2.2 0.0 0.0 0.0 0.0 0.0 195.5 20.3 63.4 7.6 26.2 35.0 0.0 0.0 152.4 Imports Avg (MW)	2.2 1.8 1.3 0.0 0.0 0.0 106.8 -20.3 -63.4 -2.7 -26.2 -35.0 0.0 0.0 0.0 -125.2 -(+ve)/Export(-ve) Energy Exchange
19 20 21 Impor 1 2 3 4 5 6 7 8	220 kV 220 kV 132 kV 132 kV rt/Export of WR (HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WITH SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHANIZAMABAD WARORA-WARANGAI(NEW) KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region	- 1 1 2 2 2 2 2 2 2 2 2 2 2 1 1 1 1 TERNATIONAL EX Line 400kV MANGDECHHU-ALIPURDUAR RECEIP HEP 4*180M W) 400kV JALA-BINAGUR MALBASU BINAGUR MALBASUR BINAGUR BINAGUR MALBASUR BINAGUR BI	0 1111 888 0 0 0 0 0 803 0 10 1221 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. F (from MANGDECHU 11,2,4 (& 400kV	30 0 0 0 0 WR-NR 1012 3505 1004 1921 2477 0 0 0 WR-SR	0.0 1.8 1.3 1.3 0.0 0.0 0.0 88.8 0.0 0.0 4.9 0.0 19.8 0.0 0.0 0.0 19.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	2.2 0.0 0.0 0.0 0.0 195.5 20.3 63.4 7.6 26.2 35.0 0.0 0.0 0.0 152.4 Importe Avg (MW)	2.2 1.8 1.3 0.0 0.0 0.0 106.8 -20.3 -63.4 -2.7 -26.2 -35.0 0.0 0.0 0.0 -125.2 -(+ve)/Export(-ve) Energy Exchange
19 20 21 Impor 1 2 3 4 5 6 7 8	220 kV 220 kV 132 kV 132 kV rt/Export of WR (HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WIth SR) BHADRAWATI B/B RAJGABH-PUGALUR SOI-APUR-RAICHUR WARDHA-NIZAMABAD WARORA-WARANGALINEW) KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER	- 1 1 1 2 2 2 2 2 2 2 2 2 2 2 1 1 1 1 TERNATIONAL EX Line 400KV MANGDECHHU- ALIPURDUAR RECEIP HEP 4*180MW 400KV MANGDECHHU- ALIPURDUAR RECEIP HEP 4*180MW 400KV MANGDECHHU- ALIPURDUAR RECEIP HEP 4*180MW 400KV MANGDECHHU- ALIPURDUAR RECEIP HER 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0 1111 888 0 0 0 0 0 0 0 803 0 0 1221 0 0 0 1221 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. r (from MANGDECHU 11,2,4 (& 400kV 1) i.e. BINAGURI EP (*170MIV) EP (*170MIV) EP (*170MIV) RA 1&2 (& 220kV	30 0 0 0 0 WR-NR 1012 3505 1004 1921 2477 0 0 0 WR-SR Max (MW) 515	0.0 1.8 1.3 0.0 0.0 0.0 88.8 0.0 0.0 0.0 4.9 0.0 0.0 19.8 0.0 0.0 2.5 27.2 Min (MW) 155	2.2 0.0 0.0 0.0 0.0 195.5 20.3 63.4 7.6 26.2 35.0 0.0 0.0 152.4 Import Avg (MW) 256	2.2 1.8 1.3 0.0 0.0 0.0 -106.8 -20.3 -63.4 -2.7 -26.2 -35.0 0.0 0.0 2.5 -125.2 +ve)/Export(-ve) Energy Exchange (Afft) 6.14
19 20 21 Impor 1 2 3 4 5 6 7 8	220 kV 220 kV 132 kV 132 kV rt/Export of WR (HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WIth SR) BHADRAWATI B/B BHADRAWATI B/B RAIGABH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD WARORA-WARNGGALINEW) KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER	1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0 1111 888 0 0 0 0 0 0 0 803 0 1221 0 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. F (from MANGDECHU 11,2,4 (& 400kV 1) i.e. BINAGURI EEP \$\text{9} 170MW) RA 1&2 (& 220kV i.e. BIRAGRA RECEIPT	30 0 0 0 0 WR-NR 1012 3505 1004 1921 2477 0 0 0 126 WR-SR	0.0 1.8 1.3 0.0 0.0 88.8 0.0 0.0 4.9 0.0 19.8 0.0 19.8 0.0 19.8 155	2.2 0.0 0.0 0.0 0.0 0.0 195.5 20.3 63.4 7.6 26.2 35.0 0.0 0.0 152.4 Imports Avg (MW)	2.2 1.8 1.3 0.0 0.0 0.0 -106.8 -20.3 -63.4 -2.7 -26.2 -35.0 19.8 0.0 0.0 2.5 -125.2 +ve)/Export(-ve) Energy Exchange
19 20 21 Impor 1 2 3 4 5 6 7 8	220 kV 220 kV 132 kV 132 kV rt/Export of WR (HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGABH-PUGALUR SOLAPUR-RAICHUR WARDHANIZAMABAD WARDHANIZAMABAD WARORA-WARANGAL(NEW) KOLHAPUR-KURGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER	1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0 1111 888 0 0 0 0 0 0 0 803 0 1221 0 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. T (from MANGDECHU 11,2,3 (& 400kV U) i.e. BINAGURI EP 6*170MW) RA 1&2 (& 220kV i.e. BIRAGURI EB 18 ARCEIPT 44MW)	30 0 0 0 0 WR-NR 1012 3505 1004 1921 2477 0 0 0 126 WR-SR Max (MW) 515 -287	0.0 1.8 1.3 0.0 0.0 0.0 888.8 0.0 0.0 0.0 4.9 0.0 0.0 19.8 0.0 0.0 19.8 19.8 3 -128	2.2 0.0 0.0 0.0 0.0 0.0 195.5 20.3 63.4 7.6 26.2 35.0 0.0 0.0 152,4 Import Avg (MW) 256 -63	2.2 1.8 1.3 0.0 0.0 0.0 106.8 -20.3 -63.4 -2.7 -2.6.2 -35.0 0.0 0.0 0.0 2.5 -125.2 -4.09
19 20 21 Impor 1 2 3 4 5 6 7 8	220 kV 220 kV 132 kV 132 kV rt/Export of WR (HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WIth SR) BHADRAWATI B/B RAJGABH-PUGALUR SOI-APUR-RAICHUR WARDHA-NIZAMABAD WARORA-WARANGALINEW) KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER	1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0 1111 888 0 0 0 0 0 0 0 803 0 1221 0 0 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. T (from MANGDECHU 11,2,3 (& 400kV U) i.e. BINAGURI EP 6*170MW) RA 1&2 (& 220kV i.e. BIRAGURI EB 18 ARCEIPT 44MW)	30 0 0 0 0 WR-NR 1012 3505 1004 1921 2477 0 0 0 WR-SR Max (MW) 515	0.0 1.8 1.3 0.0 0.0 0.0 88.8 0.0 0.0 0.0 4.9 0.0 0.0 19.8 0.0 0.0 2.5 27.2 Min (MW) 155	2.2 0.0 0.0 0.0 0.0 195.5 20.3 63.4 7.6 26.2 35.0 0.0 0.0 152.4 Import Avg (MW) 256	2.2 1.8 1.3 0.0 0.0 0.0 -106.8 -20.3 -63.4 -2.7 -26.2 -35.0 0.0 0.0 2.5 -125.2 +ve)/Export(-ve) Energy Exchange (Afft) 6.14
19 20 21 Impor 1 2 3 4 5 6 7 8	220 kV 220 kV 132 kV 132 kV rt/Export of WR (HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD WARORA-WARANGAL(NEW) KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI ER ER ER ER	TERNATIONAL EX 2 2 2 2 2 2 2 2 1 1 1 TERNATIONAL EX Line 400kV MANGDECHHU- ALIPURDUAR RECEIPT (From TALA I- 220kV CHUKHA-BIRKA MALBASE - BIRARAN) (from CHUKHA HEP 42') (from CHUKHA HEP 42') 132kV GELEPHU-SALA	0 111 888 0 0 0 0 0 0 0 0 803 0 1221 0 0 1221 0 0 1221 1 0 1 1241 0 1 1251 0 1 126 0 1 127 0 1 128 0 1 128 0 1 129 0 1 129 0 0 1221 0 0 0 1221 0 0 0 1221 0 0 0 1221 0 0 0 1221 0 0 0 1221 0 0 0 1221 0 0 0 1221 0 0 0 1221 0 0 0 1221 0 0 0 1221 0 0 0 1221 0 0 0 1221 0 0 0 1221 0 0 0 1221 0 0 0 1221 0 0 0 1221 0 0 0 1221 0 0 0 0	30 0 0 0 0 WR-NR 1012 3505 1004 1921 2477 0 0 0 WR-SR WR-SR -287 -306	0.0 1.8 1.3 0.0 0.0 0.0 88.8 0.0 0.0 0.0 4.9 0.0 0.0 19.8 0.0 0.0 2.5 27.2 Min (MW) 155	2.2 0.0 0.0 0.0 0.0 195.5 20.3 63.4 7.6 26.2 35.0 0.0 0.0 152.4 Import Avg (MW) 256 -63 -170	2.2 1.8 1.3 0.0 0.0 0.0 -106.8 -20.3 -63.4 -2.7 -26.2 -35.0 0.0 0.0 2.5 -125.2 +ve)/Export(-ve) Energy Exchange (MU) -1.52 -4.09 -0.34
19 20 21 Impor 1 2 3 4 5 6 7 8	220 kV 220 kV 132 kV 132 kV rt/Export of WR (HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGABH-PUGALUR SOLAPUR-RAICHUR WARDHANIZAMABAD WARDHANIZAMABAD WARORA-WARANGAL(NEW) KOLHAPUR-KURGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER	1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0 111 888 0 0 0 0 0 0 0 0 803 0 1221 0 0 1221 0 0 1221 1 0 1 1241 0 1 1251 0 1 126 0 1 127 0 1 128 0 1 128 0 1 129 0 1 129 0 0 1221 0 0 0 1221 0 0 0 1221 0 0 0 1221 0 0 0 1221 0 0 0 1221 0 0 0 1221 0 0 0 1221 0 0 0 1221 0 0 0 1221 0 0 0 1221 0 0 0 1221 0 0 0 1221 0 0 0 1221 0 0 0 1221 0 0 0 1221 0 0 0 1221 0 0 0 1221 0 0 0 0	30 0 0 0 0 WR-NR 1012 3505 1004 1921 2477 0 0 0 126 WR-SR Max (MW) 515 -287	0.0 1.8 1.3 0.0 0.0 0.0 888.8 0.0 0.0 0.0 4.9 0.0 0.0 19.8 0.0 0.0 19.8 19.8 3 -128	2.2 0.0 0.0 0.0 0.0 0.0 195.5 20.3 63.4 7.6 26.2 35.0 0.0 0.0 152,4 Import Avg (MW) 256 -63	2.2 1.8 1.3 0.0 0.0 0.0 106.8 -20.3 -63.4 -2.7 -2.6.2 -35.0 0.0 0.0 0.0 2.5 -125.2 -4.09
19 20 21 Impor 1 2 3 4 5 6 7 8	220 kV 220 kV 132 kV 132 kV rt/Export of WR (HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD WARORA-WARANGAL(NEW) KOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI ER ER ER ER	TERNATIONAL EX 2 2 2 2 2 2 2 2 1 1 1 TERNATIONAL EX Line 400kV MANGDECHHU- ALIPURDUAR RECEIPT (From TALA I- 220kV CHUKHA-BIRKA MALBASE - BIRARAN) (from CHUKHA HEP 42') (from CHUKHA HEP 42') 132kV GELEPHU-SALA	0 1111 888 0 0 0 0 0 0 0 803 0 10 1221 0 0 1221 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. f (from MANGDECHU 11,2,4 (& 400kV 11) i.e. BINAGURI EP 64170M/W) RA 182 (& 220kV i.e. BIRPARA RECEIPT 34MW) KATI GIA	30 0 0 0 0 WR-NR 1012 3505 1004 1921 2477 0 0 0 WR-SR WR-SR -287 -306	0.0 1.8 1.3 0.0 0.0 0.0 88.8 0.0 0.0 0.0 4.9 0.0 0.0 19.8 0.0 0.0 2.5 27.2 Min (MW) 155	2.2 0.0 0.0 0.0 0.0 195.5 20.3 63.4 7.6 26.2 35.0 0.0 0.0 152.4 Import Avg (MW) 256 -63 -170	-2.2 1.8 1.3 0.0 0.0 -106.8 -20.3 -63.4 -2.7 -2.6.2 -35.0 19.8 0.0 0.0 2.5 -125.2 (+ve)/Export(-ve) Energy Exchange (MII) 6.14 -1.52 -4.09 -0.34
19 20 21 Impor 1 2 3 4 5 6 7 8	220 kV 220 kV 132 kV 132 kV rt/Export of WR (HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD WARORA-WARANGAL(NEW) KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI ER ER ER ER NER	TERNATIONAL EX 2 2 2 2 2 2 2 2 1 1 1 TERNATIONAL EX Line 400kV MANGDECHHU- ALIPURDUAR RECEIP HEP 4*180MW) 400kV TALA-BINAGUR MALBASE - BINAGUR MALBASE - BIRAGUR MALBASE - B	0 1111 888 0 0 0 0 0 0 0 803 0 10 1221 0 0 1221 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. f (from MANGDECHU 11,2,4 (& 400kV 11) i.e. BINAGURI EP 64170M/W) RA 182 (& 220kV i.e. BIRPARA RECEIPT 34MW) KATI GIA	30 0 0 0 0 WR-NR 1012 3505 1004 1921 2477 0 0 0 126 WR-SR Max (MW) 515 -287 -306	0.0 1.8 1.3 1.3 0.0 0.0 0.0 88.8 0.0 0.0 4.9 0.0 19.8 0.0 0.0 19.8 0.0 0.0 155 2.5 27.2 Min (MW) 155	2.2 0.0 0.0 0.0 0.0 195.5 20.3 63.4 7.6 26.2 35.0 0.0 0.0 152.4 Import Avg (MW) 256 -63 -170	2.2 1.8 1.3 0.0 0.0 0.0 -106.8 -20.3 -63.4 -2.7 -26.2 -35.0 0.0 0.0 2.5 -125.2 +ve)/Export(-ve) Energy Exchange (MU) -1.52 -4.09 -0.34
19 20 21 Impor 1 2 3 4 5 6 7 8	220 kV 220 kV 132 kV 132 kV rt/Export of WR (HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD WARORA-WARANGAL(NEW) KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI ER ER ER ER NER	1 1 1 2 2 2 2 2 2 2 2 2 2 1 1 1 TERNATIONAL EX Line 400kV MANGDECHHU- ALIPURDUAR RECEIP HEP 4* 180MW, 400kV TALA-BINAGUR MALBASE - BINAGUR MALBASE - BINAGUR MALBASE - BIRPARA) (from CHUKHA HEP 4*) 132kV GELEPHU-SALA 132kV MOTANGA-RAN NEPAL IMPORT (FROM	0 1111 888 0 0 0 0 0 0 0 803 0 10 1221 0 0 1221 0 0 CHANGES Name ALIPURDUAR 1,2&3 i.e. f (from MANGDECHU 11,2,4 (& 400kV 11) i.e. BINAGURI EP 64170M/W) RA 182 (& 220kV i.e. BIRPARA RECEIPT 34MW) KATI GIA	30 0 0 0 0 WR-NR 1012 3505 1004 1921 2477 0 0 0 126 WR-SR Max (MW) 515 -287 -306	0.0 1.8 1.3 1.3 0.0 0.0 0.0 88.8 0.0 0.0 4.9 0.0 19.8 0.0 0.0 19.8 0.0 0.0 155 2.5 27.2 Min (MW) 155	2.2 0.0 0.0 0.0 0.0 195.5 20.3 63.4 7.6 26.2 35.0 0.0 0.0 152.4 Import Avg (MW) 256 -63 -170	2.2 1.8 1.3 0.0 0.0 0.0 106.8 -20.3 -63.4 -2.7 -26.2 -35.0 0.0 0.0 0.0 0.0 -125.2 -125.2 -+ve)/Export(-ve) Energy Exchange (MITh 6.14 -1.52 -4.09 -0.34
19 20 21 Impor 1 2 3 4 5 6 7 8	220 kV 220 kV 132 kV 132 kV 132 kV rt/Export of WR (HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV State	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD WARORA-WARANGAL(NEW) KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER ER NER NER	1 1 1 2 2 2 2 2 2 2 2 2 2 1 1 1 TERNATIONAL EX Line 400kV MANGDECHHU- ALIPURDUAR RECEIP HEP 4* 180MW, 400kV TALA-BINAGUR MALBASE - BINAGUR MALBASE - BINAGUR MALBASE - BIRPARA) (from CHUKHA HEP 4*) 132kV GELEPHU-SALA 132kV MOTANGA-RAN NEPAL IMPORT (FROM	0 111 88 0 0 0 0 0 0 0 803 0 0 1221 0 0 0 1221 0 0 1221 1 0 1 0 1	30 0 0 0 0 WR-NR 1012 3505 1004 1921 2477 0 0 126 WR-SR Max (MW) 515 -287 -306 -77 18	0.0 1.8 1.3 0.0 0.0 0.0 88.8 0.0 0.0 4.9 0.0 0.0 19.8 0.0 0.0 2.5 27.2 Min (MW) 155 83 -128	2.2 0.0 0.0 0.0 0.0 195.5 20.3 63.4 7.6 26.2 35.0 0.0 0.0 0.0 152.4 Import Avg (MW) 256 -63 -170 -14	2.2 1.8 1.3 0.0 0.0 0.0 -106.8 -20.3 -63.4 -2.7 -26.2 -35.0 0.0 0.0 2.5 19.8 0.0 0.0 2.5 -125.2 +ve)/Export(-ve) Energy Exchange (MII) 6.14 -1.52 -4.09 -0.34 0.06
19 20 21 Impor 1 2 3 4 5 6 7 8	220 kV 220 kV 132 kV 132 kV 132 kV rt/Export of WR (HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV State	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD WARORA-WARANGAL(NEW) KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER ER NER NER	1 1 1 2 2 2 2 2 2 2 2 2 2 1 1 1 TERNATIONAL EX Line 400kV MANGDECHHU- ALIPURDUAR RECEIP HEP 4* 180MW, 400kV TALA-BINAGUR MALBASE - BINAGUR MALBASE - BINAGUR MALBASE - BIRPARA) (from CHUKHA HEP 4*) 132kV GELEPHU-SALA 132kV MOTANGA-RAN NEPAL IMPORT (FROM	0 1111 888 0 0 0 0 0 0 0 0 0 803 0 0 1221 0 0 0 1221 0 0 1221 0 1221 121 1	30 0 0 0 0 WR-NR 1012 3505 1004 1921 2477 0 0 126 WR-SR Max (MW) 515 -287 -306 -77 18	0.0 1.8 1.3 0.0 0.0 0.0 88.8 0.0 0.0 4.9 0.0 0.0 19.8 0.0 0.0 2.5 27.2 Min (MW) 155 83 -128	2.2 0.0 0.0 0.0 0.0 195.5 20.3 63.4 7.6 26.2 35.0 0.0 0.0 0.0 152.4 Import Avg (MW) 256 -63 -170 -14	2.2 1.8 1.3 0.0 0.0 0.0 -106.8 -20.3 -63.4 -2.7 -26.2 -35.0 0.0 0.0 2.5 19.8 0.0 0.0 2.5 -125.2 +ve)/Export(-ve) Energy Exchange (MII) 6.14 -1.52 -4.09 -0.34 0.06
19 20 21 Impor 1 2 3 4 5 6 7 8	220 kV 220 kV 132 kV 132 kV 132 kV rt/Export of WR (HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV State	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WIth SR) BHADRAWATI B/B RAJGABH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD WARORA-WARANGALINEW KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI ER ER ER NER NER NER	TERNATIONAL EX 2 2 2 2 2 2 2 2 1 1 1 TERNATIONAL EX Line 400kV MANGDECHHU ALIPURDUAR RECEIP HEP 4*180MW MALBASE - BINAGUR MALBASE - BINAGUR MALBASE - BIRPARA) (from CHUKHA-BIRPA MALBASE - BIRPARA) 132kV MOTANGA-RAN NEPAL IMPORT (FROM	0 1111 888 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	30 0 0 0 0 WR-NR 1012 3505 1004 1921 2477 0 0 0 126 WR-SR Max (MW) 515 -287 -306 -77 18 -71	0.0 1.8 1.3 1.3 0.0 0.0 0.0 88.8 0.0 0.0 0.0 4.9 0.0 0.0 19.8 0.0 0.0 2.5 27.2 Min (MW) 155 83 -128 0	2.2 0.0 0.0 0.0 0.0 0.0 195.5 20.3 63.4 7.6 26.2 35.0 0.0 0.0 152.4 Import Avg (MW) 256 -63 -170 -14 3 -52	2.2 1.8 1.3 0.0 0.0 0.0 1.06.8 -20.3 -63.4 -2.7 -26.2 -35.0 0.0 0.0 2.5 -125.2 +ve)/Export(-ve) Energy Exchange (Afft) 6.14 -1.52 -4.09 -0.34 0.06 -1.25
19 20 21 Impor 1 2 3 4 5 6 7 8	220 kV 220 kV 132 kV 132 kV 132 kV rt/Export of WR (HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV State	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WIth SR) BHADRAWATI B/B RAJGABH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD WARORA-WARANGALINEW KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI ER ER ER NER NER NER		0 1111 888 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	30 0 0 0 0 WR-NR 1012 3505 1004 1921 2477 0 0 0 126 WR-SR Max (MW) 515 -287 -306 -77 18 -71	0.0 1.8 1.3 1.3 0.0 0.0 0.0 88.8 0.0 0.0 0.0 4.9 0.0 0.0 19.8 0.0 0.0 2.5 27.2 Min (MW) 155 83 -128 0	2.2 0.0 0.0 0.0 0.0 0.0 195.5 20.3 63.4 7.6 26.2 35.0 0.0 0.0 152.4 Import Avg (MW) 256 -63 -170 -14 3 -52	2.2 1.8 1.3 0.0 0.0 0.0 1.06.8 -20.3 -63.4 -2.7 -26.2 -35.0 0.0 0.0 2.5 -125.2 +ve)/Export(-ve) Energy Exchange (Afft) 6.14 -1.52 -4.09 -0.34 0.06 -1.25
19 20 21 Impor 1 2 3 4 5 6 7 8	220 kV 220 kV 132 kV 132 kV 132 kV rt/Export of WR (HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV State	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD WARORA-WARANGAL(NEW) KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI ER ER IN Region ER ER NER NER NER NER NER NER	TERNATIONAL EX 2 2 2 2 2 2 2 2 2 1 1 TERNATIONAL EX Line 400kV MANGDECHHU- ALIPURDUAR RECEIP HEP 44 180MW) 400kV TALA-BINAGUR MALBASE - BINAGUR MALBASE -	0 1111 888 0 0 0 0 0 0 0 0 0 803 0 0 1221 0 0 0 1221 0 0 0 1221 120 0 1221 120 0 1221 121 0 1221 121 0 1221 1221 0 1221 1221 0 1221 1221 0 1221 1221 0 1221 1221 0 1221 1221 0 1221 1221 0 124 124 124 124 124 124 124 124 124 124	30 0 0 0 0 0 WR-NR 1012 3505 1004 1921 2477 0 0 0 126 WR-SR Max (MW) 515 -287 -306 -77 18 -71 -71 -252	0.0 1.8 1.3 1.3 0.0 0.0 0.0 88.8 0.0 0.0 0.0 4.9 0.0 0.0 19.8 0.0 0.0 2.5 27.2 Min (MW) 155 83 -128 0 0 0 0 155	2.2 0.0 0.0 0.0 0.0 0.0 195.5 20.3 63.4 7.6 26.2 35.0 0.0 0.0 152.4 Import Avg (MW) 256 -63 -170 -14 3 -52 -53 -100	-2.2 -1.8 -1.3 -0.0 -0.0 -106.8 -20.3 -63.4 -2.7 -26.2 -35.0 -0.0 -126.2 -35.0 -0.0 -125.2 +ve)/Export(-ve) Energy Exchange (MU) -1.52 -4.09 -0.34 -0.34 -1.25 -1.28 -2.39 -7.50
19 20 21 Impor 1 2 3 4 5 6 7 8	220 kV 220 kV 132 kV 132 kV 132 kV rt/Export of WR (HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV State	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI BB RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMMBAD WARDHA-NIZAMMBAD ISOLHAPUR-KUDGI KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI SELDEM-AMBEWADI IN Region ER ER RR RR NER NER NER	TERNATIONAL EX 2 2 2 2 2 2 2 2 1 1 1 TERNATIONAL EX Line 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	0 1111 888 0 0 0 0 0 0 0 0 0 803 0 0 1221 0 0 0 1221 0 0 0 1221 120 0 1221 120 0 1221 121 0 1221 121 0 1221 1221 0 1221 1221 0 1221 1221 0 1221 1221 0 1221 1221 0 1221 1221 0 1221 1221 0 124 124 124 124 124 124 124 124 124 124	30 0 0 0 0 0 WR-NR 1012 3505 1004 1921 2477 0 0 0 126 WR-SR Max (MW) 515 -287 -306 -77 18 -71 -71	0.0 1.8 1.3 0.0 0.0 0.0 88.8 88.8 0.0 0.0 4.9 0.0 19.8 0.0 2.5 27.2 Min (MW) 155 83 -128 0 0 0 0 0 0 0 0 0 0 0 0 0	2.2 0.0 0.0 0.0 0.0 0.0 195.5 20.3 63.4 7.6 26.2 35.0 0.0 0.0 0.0 152.4 Import Avg (MW) 256 -63 -170 -14 3 -52 -53	2.2 1.8 1.3 0.0 0.0 0.0 -106.8 -20.3 -63.4 -2.7 -26.2 -35.0 0.0 0.0 2.5 19.8 0.0 0.0 2.5 -125.2 (+ve)/Export(-ve) Energy Exchange (MID) 6.14 -1.52 -4.09 -0.34 0.06 -1.25 -1.28
19 20 21 1 Impor 1 2 3 4 4 5 6 7 7 8 9 9	220 kV 220 kV 132 kV 132 kV 132 kV 132 kV 14VDC HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 8 tate BHUTAN NEPAL	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD WARORA-WARANGAL(NEW) KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI ER ER IN Region ER ER NER NER NER NER NER NER	TERNATIONAL EX 2 2 2 2 2 2 2 2 2 1 1 1 TERNATIONAL EX Line 400kV MANGDECHHU- ALIPURDUAR RECEIP HEP 4*180MW MALBASE - BINAGUR MALBASE - BINAGUR MALBASE - BIRPARA) (from CHUKHA HEP 4*2 132kV GELEPHU-SALA 132kV MOTANGA-RAN NEPAL IMPORT (FROM 132kV MAHENDRANAC NEPAL IMPORT (FROM 132kV MAHENDRANAC NEPAL IMPORT (FROM 132kV MAHENDRANAC NEPAL IMPORT (FROM 1400kV DHALKEBAR-MI BHERAMARA B/B HVD	0 1111 888 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	30 0 0 0 0 WR-NR 1012 3505 1004 1921 2477 0 0 0 126 WR-SR Max (MW) 515 -287 -306 -77 18 -71 -71 -71 -252 -613	0.0 1.8 1.3 1.3 0.0 0.0 0.0 88.8 0.0 0.0 0.0 4.9 0.0 0.0 19.8 0.0 0.0 0.0 19.8 0.0 0.0 15.5 27.2 Min (MW) 155 83 -128 0 -15	2.2 0.0 0.0 0.0 0.0 0.0 195.5 20.3 63.4 7.6 26.2 35.0 0.0 0.0 0.0 152.4 Import Avg (MW) 256 -63 -170 -14 3 -52 -53 -100 -313 -889	2.2 1.8 1.3 0.0 0.0 0.0 1.06.8 -20.3 -63.4 -2.7 -26.2 -35.0 0.0 0.0 0.0 -1.98 0.0 0.0 -1.25 -1.25.2 -4.09 -0.34 -0.34 -1.25 -1.25 -1.25 -1.25 -1.25 -1.25 -1.25 -1.25 -1.25 -1.25 -1.25 -1.25 -1.25 -1.25
19 20 21 1 Impor 1 2 3 4 4 5 6 7 7 8 9 9	220 kV 220 kV 132 kV 132 kV 132 kV rt/Export of WR (HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV State	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR With SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD WARORA-WARANGALINEW) KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI IN Region ER ER RR ER NER NER NER NER NER	TERNATIONAL EX 2 2 2 2 2 2 2 2 2 1 1 1 TERNATIONAL EX Line 400kV MANGDECHHU- ALIPURDUAR RECEIP HEP 4*180MW MALBASE - BINAGUR MALBASE - BINAGUR MALBASE - BIRPARA) (from CHUKHA HEP 4*2 132kV GELEPHU-SALA 132kV MOTANGA-RAN NEPAL IMPORT (FROM 132kV MAHENDRANAC NEPAL IMPORT (FROM 132kV MAHENDRANAC NEPAL IMPORT (FROM 132kV MAHENDRANAC NEPAL IMPORT (FROM 1400kV DHALKEBAR-MI BHERAMARA B/B HVD	0 1111 888 0 0 0 0 0 0 0 0 0 803 0 0 1221 0 0 0 1221 0 0 0 1221 120 0 1221 120 0 1221 121 0 1221 121 0 1221 1221 0 1221 1221 0 1221 1221 0 1221 1221 0 1221 1221 0 1221 1221 0 1221 1221 0 124 124 124 124 124 124 124 124 124 124	30 0 0 0 0 0 WR-NR 1012 3505 1004 1921 2477 0 0 0 126 WR-SR Max (MW) 515 -287 -306 -77 18 -71 -71 -252	0.0 1.8 1.3 1.3 0.0 0.0 0.0 88.8 0.0 0.0 0.0 4.9 0.0 0.0 19.8 0.0 0.0 2.5 27.2 Min (MW) 155 83 -128 0 0 0 0 155	2.2 0.0 0.0 0.0 0.0 0.0 195.5 20.3 63.4 7.6 26.2 35.0 0.0 0.0 152.4 Import Avg (MW) 256 -63 -170 -14 3 -52 -53 -100	-2.2 1.8 1.3 0.0 0.0 -1.06.8 -20.3 -63.4 -2.7 -2.6.2 -35.0 19.8 0.0 0.0 2.5 -125.2 +ve)/Export(-ve) Energy Exchange (MII) 6.14 -1.52 -4.09 -0.34 0.06 -1.25 -1.28 -2.39 -7.50
19 20 21 1 Impor 1 2 3 4 4 5 6 7 7 8 9 9	220 kV 220 kV 132 kV 132 kV 132 kV 132 kV 14VDC HVDC HVDC 765 kV 765 kV 400 kV 220 kV 220 kV 8 tate BHUTAN NEPAL	BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR WIth SR) BHADRAWATI B/B RAIGARH-PUGALUR SOLAPUR-RAICHUR WARDHA-NIZAMABAD WARORA-WARANGAL(NEW) KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI ER ER ER NER NER NER NER NER	TERNATIONAL EX 2 2 2 2 2 2 2 2 2 1 1 1 TERNATIONAL EX Line 400kV MANGDECHHU- ALIPURDUAR RECEIP HEP 4*180MW MALBASE - BINAGUR MALBASE - BINAGUR MALBASE - BIRPARA) (from CHUKHA HEP 4*2 132kV GELEPHU-SALA 132kV MOTANGA-RAN NEPAL IMPORT (FROM 132kV MAHENDRANAC NEPAL IMPORT (FROM 132kV MAHENDRANAC NEPAL IMPORT (FROM 132kV MAHENDRANAC NEPAL IMPORT (FROM 1400kV DHALKEBAR-MI BHERAMARA B/B HVD	0 1111 888 0 0 0 0 0 0 0 0 0 803 0 0 1221 0 0 0 1221 0 0 1221 0 1 0 1 1221 0 1 0	30 0 0 0 0 WR-NR 1012 3505 1004 1921 2477 0 0 0 126 WR-SR Max (MW) 515 -287 -306 -77 18 -71 -71 -71 -252 -613	0.0 1.8 1.3 1.3 0.0 0.0 0.0 88.8 0.0 0.0 0.0 4.9 0.0 0.0 19.8 0.0 0.0 0.0 19.8 0.0 0.0 15.5 27.2 Min (MW) 155 83 -128 0 -15	2.2 0.0 0.0 0.0 0.0 0.0 195.5 20.3 63.4 7.6 26.2 35.0 0.0 0.0 0.0 152.4 Import Avg (MW) 256 -63 -170 -14 3 -52 -53 -100 -313 -889	-2.2 1.8 1.3 0.0 0.0 -106.8 -20.3 -63.4 -2.7 -2.6.2 -35.0 19.8 0.0 0.0 2.5 -125.2 +ve)/Export(-ve) Energy Exchange (MII) 6.14 -1.52 -4.09 -0.34 0.06 -1.25 -1.28 -2.39 -7.50

CROSS BORDER EXCHANGE SCHEDULE

Export From India (in MU)

Export From II	dia (iii ivic)											
			T-GNA									
	GNA				COLLI	ECTIVE						
Country	(ISGS/PPA)	BILATERAL		IDAM RTM					TOTAL			
		TOTAL	IEX	PXIL	HPX	IEX	PXIL	HPX				
Bhutan	0.00	0.40	3.02	0.00	0.00	0.00	0.00	0.00	3.42			
Nepal	2.27	0.00	4.20	0.00	0.00	2.67	0.00	0.00	9.14			
Bangladesh	22.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.24			
Myanmar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
Total Export	24.51	0.40	7.22	0.00	0.00	2.67	0.00	0.00	34.80			

Import by India(in MU)

			T-GNA							
	GNA		COLLECTIVE							
Country	(ISGA/PPA)	BILATERAL		IDAM			TOTAL			
		TOTAL	IEX	PXIL	HPX	IEX	PXIL	HPX		
Bhutan	4.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.34	
Nepal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
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	4.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.34	

Net from India(in MU) -ve : Export / +ve : Import T-GNA GNA COLLECTIVE (ISGS/PPA) BILATERAL IDAM RTM TOTAL Country TOTAL IEX PXIL HPX IEX PXIL HPX 4.34 0.00 0.00 Bhutan -0.40 -3.02 0.00 0.00 0.00 0.92 Nepal -2.27 0.00 -4.20 0.00 0.00 -2.67 0.00 0.00 -9.14 -22.24 0.00 0.00 0.00 0.00 0.00 0.00 -22.24 Bangladesh 0.00 0.00 0.00 Myanmar 0.00 0.00 0.00 0.00 0.00 0.00 0.00 -20.17 -0.40 -7.22 0.00 0.00 -2.67 0.00 0.00 -30.46 Total Net

	15 Min (INSTANTANEOUS) ALL INDIA GRID FREQUENCY, GENERATION & DEMAND MET (SCADA DATA)											
TIME	FREQUENCY	DEMAND MET	NUCLEAR	WIND	SOLAR	HYDRO**	GAS	THERMAL	OTHERS*	NET DEMAND	TOTAL GENERATIO	NET TRANSNATIONAL EXCHANGE
IIIVIE	(Hz)	(MW)	(MW)	(MW)	(MW)	(MW)	(MW)	(MW)	(MW)	MET (MW)	N (MW)	(MW) (+ve) Import, (-ve)
										(I=A-	(J=B+C+D+E	Export
		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(C+D))	+F+G+H)	(K)
0:00	49.96 49.76	213763	6354 6368	7067	71 67	20654 19467	8658	171568 171934	1998 1937	206625 205405	216370 215753	-1123
0:15	49.76	212739	6369	7267 7281	68	19163	8713 8792	171934	1952	205405	215753	-1110 -1107
0:45	49.91	212431	6367	7137	71	19046	8729	172085	1939	205223	215374	-1098
1:00	49.96 49.96	211281	6373 6368	6971 6883	76 80	18333 17294	8660 8677	172103 171658	1969 1985	204234	214485 212945	-1140 -1127
1:30	50.01	208430	6352	6853	76	17095	8656	171220	1941	201501	212193	-1123
1:45 2:00	49.96 50.06	208576	6376 6375	6804 6833	76 72	16818 16733	8671 8563	171133 170096	2004 1955	201696	211882 210627	-999 -1045
2:15	50.01	206574	6400	6800	73	16048	8468	170216	1927	199701	209932	-1128
2:30	50.06 50.06	205179	6401 6387	6617 6612	71 69	16053 15797	8241 7842	169354 168688	1955 1919	198491 197482	208692 207314	-1216 -1210
3:00	50.06	203448	6387	6477	71	15838	8041	167976	1923	196900	206713	-1205
3:15 3:30	50.06 50.06	203085	6385 6365	6283 6195	73 67	15567 15561	8014 7886	168027 168284	1963 1954	196729 196749	206312 206312	-1204 -1188
3:45	50.06	202222	6404	6117	63	15445	7852	167760	1938	196042	205579	-1286
4:00	50.06	201192	6418	6095	61	15270	7816	166989	1893	195036	204542	-1333
4:15 4:30	50.06 50.01	201844 201687	6388 6375	6117 6169	59 58	15190 15050	7867 7363	167483 168008	1944 1931	195668 195460	205048 204954	-1157 -1197
4:45	49.96	202589	6366	6058	64	15145	6993	169153	1945	196467	205724	-1212
5:00 5:15	50.06 49.96	202187	6406 6396	6054 6077	59 63	15169 15698	7186 6964	168349 168737	1916 1941	196074 196929	205139 205876	-1221 -1212
5:30	50.01	202943	6435	6146	68	16027	6890	168285	1965	196729	205816	-1209
5:45 6:00	50.01 50.06	203447	6423 6431	6111 6151	71 106	16196 16165	6857 6789	168676 168514	1933 1927	197265 196837	206267 206083	-1274 -1209
6:15	49.96	205107	6417	6112	625	16895	6567	169680	1922	198370	208218	-1468
6:30 6:45	50.01 50.06	206436 205903	6456 6441	6118 6084	1739 3803	17557 16827	6359	169345	1947 1940	198579	209521 208853	-1501 -1524
7:00	50.06	205903	6441	6000	3803 6932	16827 16546	6125 5513	167633 164965	1940 2055	196016 192620	208853	-1534 -1557
7:15	50.06	205885	6429	5845	11239	14934	5133	162887	2000	188801	208467	-1420
7:30 7:45	50.16 50.21	205652 204760	6455 6430	5560 4978	16222 21708	13775 12567	4790 4734	159625 155193	2030 2027	183870 178074	208457 207637	-1416 -1546
8:00	50.21	203311	6380	4243	26771	11482	4678	150593	2058	172297	206205	-1548
8:15 8:30	50.01 50.01	204956 207257	6356 6343	3531 2764	32034 36433	11421 11667	4668 4746	147419	2072	169391	207501 210456	-1566 -1518
8:45	50.01	209724	6320	2307	40544	11367	4733	145380	2052	166873	212703	-1550
9:00 9:15	50.01 50.01	212801	6346	2456 1975	44315	11499 11304	4733	144468 144705	2151 2136	166030	215968 219217	-1578
9:15	50.01	216048 218675	6317 6331	1975	48010 51487	11294	4770 4728	143701	2083	166063 165211	221601	-1674 -1689
9:45	49.91	220793	6285	2061	54024	11382	4772	143390	2095	164708	224009	-1738
10:00 10:15	50.01 50.01	221112	6318 6287	2225 2253	56385 58934	11305 11022	4803 4926	141227	2069 2166	162502 159626	224332 224076	-1755 -1794
10:30	50.01	221356	6267	2242	60385	10692	4919	138108	2103	158729	224716	-1772
10:45 11:00	49.91 49.96	221618 221499	6287 6312	2266 2256	60461 61740	10662 10472	4792 5044	138332 136665	2113 2086	158891 157503	224913 224575	-1768 -1771
11:15	49.95	220875	6291	2233	62344	9846	5060	136185	2124	156298	224083	-1713
11:30 11:45	50.01 49.85	220819 220450	6272 6250	2130 2065	62169 62599	10179 10276	5112 4974	135648 134803	2085	156520 155786	223595 223054	-1699 -1737
12:00	49.95	220070	6236	2006	63246	10292	5113	133810	2118	154818	222821	-1722
12:15	49.90 50.06	218989 219147	6245 6237	1951 1883	63044	9510	4945 5103	133554	2091	153994 153854	221340 222238	-1651
12:30 12:45	50.06	219147	6207	1883	63410 63516	9728 9635	4947	133735 133430	2142 2129	153339	222238	-1700 -1730
13:00	50.06	217382	6205	1886	63264	9471	5131	132413	2094	152232	220464	-1702
13:15 13:30	50.11 50.01	214927 216217	6212 6217	1998 2089	62950 62751	9024 8837	4939 4904	130900 132419	2048	149979 151377	218071 219266	-1773 -1768
13:45	50.01	217729	6203	2312	61865	8974	4859	134682	2076	153552	220971	-1808
14:00	50.01 50.01	219710	6175 6199	2434 2610	61204	8939 9427	5094 4825	136921 139623	2017	156072 158629	222784 224911	-1829 -1803
14:30	49.96	224139	6230	2804	58891	9910	5071	142837	2013	162444	227756	-1764
14:45 15:00	49.96 49.96	224977 226965	6194 6220	2810 3060	58093 55773	9682 10284	5113 5112	145051 148242	1941 1957	164074 168132	228884 230648	-1763 -1782
15:15	50.01	226787	6218	3371	53143	10557	5298	150348	1997	170273	230932	-2057
15:30 15:45	50.06 50.06	227518 227563	6231 6235	3941 4206	50433 47501	11245 11269	5141 5371	151997 154375	1938 1889	173144 175856	230926 230846	-2043 -2026
16:00	50.06	226809	6237	4375	43468	11590	5675	156415	1889	178966	229649	-2079
16:15 16:30	50.06 50.06	225807 225223	6229 6222	4284 4565	40679 36648	11905 12358	5862 6221	158403 160324	1920 1898	180844	229282 228236	-2037 -1999
16:45	50.06	225223	6222	4837	32743	13581	6466	161923	1923	186811	228236	-1999 -1905
17:00	50.06	221870	6202	5074	28236	13535	6790	163239	1865	188560	224941	-1580
17:15 17:30	50.08 50.03	218283 217039	6276 6183	5326 5235	23805 19359	13554 15688	7203 7362	163328 164689	1821 1800	189152 192445	221313 220316	-1089 -1153
17:45	50.03	215889	6223	5053	14884	17006	7639	166219	1841	195952	218865	-1107
18:00 18:15	50.03 50.03	212961 212617	6241 6266	5181 5270	10238 6681	17989 19556	7466 8946	166875 167083	1932 1834	197542 200666	215922 215636	-992 -1040
18:30	50.03	214971	6292	5402	3906	22495	9501	168528	1866	205663	217990	-1003
18:45 19:00	49.98 49.88	217160 220322	6283 6241	5675 5886	1900 931	23783 25836	9925 9957	170492 172058	1919 1915	209585 213505	219977 222824	-1029 -977
19:00	49.88 49.68	220322	6267	5901	931 423	26662	9957	173050	1915	215230	224251	-977 -969
19:30	49.93	221699	6291	5834	383	26570	9987	173591	1997	215482	224653	-951 064
19:45 20:00	49.93 50.03	221887 220867	6315 6316	6156 6522	250 358	26606 25427	9923 9832	173243 173098	1928 1967	215481 213987	224421 223520	-964 -1044
20:15	50.03	220121	6271	6803	186	24854	9656	172550	1903	213132	222223	-1078
20:30	49.98 49.98	220055 219142	6276 6277	7106 7265	123 125	24247 23296	9830 9851	172865 172500	1914 1944	212826 211752	222361 221258	-956 -895
21:00	49.98	219017	6285	7345	122	22375	9764	173285	1905	211550	221081	-905
21:15 21:30	49.93 49.93	219230	6268	7299 7385	127 125	22630	9881 9637	173369	1887	211804	221461 222338	-883 -921
21:30	49.93 49.93	220353 221818	6221 6245	7385 7644	125	23358 24406	9637 9762	173663 173674	1949 1999	212843	222338 223853	-921 -911
22:00	49.98	221442	6248	7898	89	24374	9584	173468	1892	213455	223553	-889
22:15	49.73 49.93	223208	6232 6255	8226 8432	91 55	25141 24547	9674 9700	173852 173858	1967 1903	214891 214249	225183 224750	-791 -802
22:45	49.88	222117	6284	8503	43	23617	9758	173908	1933	213571	224046	-806
23:00	49.83 49.93	221632	6281 6290	8461 8462	42 46	23107 22606	9767 9667	173853 173642	1950 1931	213129 212267	223461 222644	-794 -811
23:15	49.93	220775	6301	8430	48	22384	9742	173989	1931	212233	222827	-811 -794
23:45 *Others	49.93 include (i) Biomas	220317	6291 h (ii) Some of	8461	42 or IPP & non-	21827	9749	174048 SR (small can	1916	211814	222334 n Odisha(manua	-766
*Others include (i) Biomass from Punjab (ii) Some of the state sector IPP & non-conventional generation in SR (small capacity) (iii) Solar generation in Odisha(manually punched). ** Hydro generation is excluding Bhutan hydro.												

^{**} Hydro generation is excluding Bhutan hydro.
***Bhutan hydro is accounted for in net transnational exchange.

Disclaimer:

1. The information provided is for general informational purposes only.

2. The data is provided "as is "without any guarantees or warranties.

3. All Data is operational SCAM data the elementeer and reporting at NLDC through RLDC/SLDC.

4. Data is subject to error side to telemetry loss/freeze/garhage value etc.

5. Demand met an Aff & generation data is incident on transmission system. Resources in distribution system plus behind the meter (BTM) generation excluded.

6. Users are advised to ensure its accuracy, completeness and relevance for their purposes, and, in this respect, GRID-NDIA shall not be responsible for any errors or omissions.