

National Load Despatch Centre राष्ट्रीय भार प्रेषण केंद्र

POWER SYSTEM OPERATION CORPORATION LIMITED पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड

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

दिनांक: 18th May 2021

Ref: POSOCO/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 17.05.2021.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 17-मई -2021 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रा॰भा॰प्रे॰के॰ की वेबसाइट पर उप्लब्ध है ।

As per article 5.5.1 of the Indian Electricity Grid Code, the daily report pertaining power supply position of All India Power System for the date 17th May 2021, is available at the NLDC website.

धन्यवाद.

पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड



		न ऑपरेशन कारा भार प्रेषण केंद्र,						1
Report for pre	vious day				Dat	e of Reporting:	18-Ma	y-2021
A. Power Supp	oly Position at All India and Regional level	NR	wn	CD.	ED	NER	TOTAL	1
Domand Mat du	uring Evening Peak hrs(MW) (at 20:00 hrs; from PLDCs)	46997	WR 39015	SR 37580	22085	2425	TOTAL	
Demand Met during Evening Peak hrs(MW) (at 20:00 hrs; from RLDCs)							148102	
Peak Shortage (MW)		203	0	0	0	4	207	
Energy Met (MU)		1097	971	860	486	41	3455	
Hydro Gen (MU)		182	43	78	54	14	369	
Wind Gen (MU)		39	185	105	-	-	328	
Solar Gen (MU)*		38.78	24.29	109.78	5.02	0.21	178	
Energy Shortage (MU)		3.74	0.00	0.00	0.00	0.04	3.78	
	and Met During the Day (MW) (From NLDC SCADA)	51059	41277	39582	22672	2716	153642	
Time Of Maxim	num Demand Met (From NLDC SCADA)	22:22	00:29	12:27	22:45	18:47	22:21	
3. Frequency I	Profile (%)							
Region	FVI	< 49.7	49.7 - 49.8	49.8 - 49.9	< 49.9	49.9 - 50.05	> 50.05	
All India	0.036	0.00	0.01	6.74	6.75	74.68	18.57	
. Power Supp	oly Position in States							='
		Max.Demand	Shortage during	Energy Met	Drawal	OD(+)/UD(-)	Max OD	Energy
Region	States	Met during the	maximum		Schedule			Shortag
		day(MW)	Demand(MW)	(MU)	(MU)	(MU)	(MW)	(MU)
	Punjab	6790	0	151.6	94.9	-0.3	143	0.00
	Haryana	7185	0	145.1	119.4	1.4	247	0.00
	Rajasthan	10866	0	221.1	61.8	-1.0	520	0.00
	Delhi	4144	0	79.3	63.4	-0.8	197	0.00
NR	UP	19218	0	380.8	159.0	-3.4	359	0.29
114	Uttarakhand	1671	0	36.2	16.5	1.8	186	0.29
	HP	1332	0	26.3	7.1	1.4	156	0.00
	J&K(UT) & Ladakh(UT)	2463	250	52.4	32.6		393	3.45
	Chandigarh	212	0	4.3	4.2	1.3 0.1	28	0.00
		_						
	Chhattisgarh	3876	0	88.7	40.1	-0.1	305	0.00
	Gujarat	13530	0	284.9	74.3	-1.8	536	0.00
	MP	8192	0	185.8	91.1	-3.4	588	0.00
WR	Maharashtra	16668	0	372.3	105.1	-6.4	797	0.00
	Goa	257	0	4.0	4.0	-0.1	62	0.00
	DD	268	0	5.1	5.2	-0.1	38	0.00
	DNH	609	0	11.9	12.3	-0.4	66	0.00
	AMNSIL	835	0	18.2	0.9	0.6	353	0.00
	Andhra Pradesh	9123	0	189.3	99.1	2.7	814	0.00
	Telangana	7000	0	147.5	44.8	0.7	591	0.00
SR	Karnataka	8413	0	169.7	45.0	1.2	697	0.00
	Kerala	3060	0	58.3	30.8	0.0	312	0.00
	Tamil Nadu	13445	0	287.4	177.0	-2.3	637	0.00
	Puducherry	385	0	7.7	8.0	-0.3	33	0.00
	Bihar	6083	0	121.8	109.1	5.5	445	0.00
	DVC	3014	0	65.5	-47.6	-0.4	352	0.00
	Jharkhand	1550	0	29.7	26.4	-2.2	153	0.00
ER	Odisha	4943	0	100.8	34.4	0.4	414	0.00
LK	West Bengal	8464	0	167.2	44.1	-0.3	247	0.00
	Sikkim	69	0	0.9	1.4	-0.5	15	0.00
	Arunachal Pradesh	93	2	1.8	1.8	-0.1	130	0.00
	Assam	1454	0	23.2	19.2	0.0	120	0.00
			1	2.4				0.01
NED	Manipur Maghalaya	205	0		2.5	-0.1	37	
NER	Meghalaya Mizoram	313 108	1	5.4 1.6	3.7 1.6	-0.1	222 15	0.00 0.01
	Nagaland	121	0	2.2 4.9	2.2	0.0	12	0.01
	Tripura	306	1 0	4.9	4.1	0.5	67	0.00
	IE I AMELIA SERVICE							
J. I ransnation	nal Exchanges (MU) - Import(+ve)/Export(-ve)	DL f	NT.	D1 1 1				
atual (MITT)		Bhutan	Nepal	Bangladesh				
ctual (MU) Day Peak (MW	V)	12.7 787.0	-13.3 -162.0	-23.4 -1002.0				
ray i cak (IVIV)	,	/0/.0	-102.0	-1002.0				
. Import/Exp	ort by Regions (in MU) - Import(+ve)/Export(-ve); OD	(+)/UD(-)						
		NR	WR	SR	ER	NER	TOTAL	1
Schedule(MU)		274.4	-286.0	83.6	-75.3	3.4	0.0	1
ctual(MU)		269.2	-341.1	108.5	-29.8	4.5	11.3	
D/D/U/D(MU)		-5.2	-55.0	25.0	45.5	1.1	11.3	J
. Generation	Outage(MW)							
. Generation	Outage(WW)	ND	WD	CD	ED	MED	TOTAL	0/ 61
Central Sector		NR 5952	WR 17871	SR 9482	ER 818	NER 1047	TOTAL 25160	% Shar
tate Sector		5952 12528	21024	13245	4465	1047	35169 51273	59
otal		18479	38895	22727	5283	1058	86442	100
		104/7	30073	44141	3403	1030	00444	100
5. Sourcewise	generation (MU)							
		NR	WR	SR	ER	NER	All India	% Sha
Coal		482	1009	347	486	7	2331	66
Lignite		21	8	42	0	0	71	2
Hydro		182	43	78	54	14	370	10
Nuclear Fas, Naptha &	Diagol	30	28	65	0	22	124	3
ES (Wind C	blar, Biomass & Others)	32 96	36 209	12 233	<u>0</u> 5	0	102 544	15
Fotal	omi, savamas & Others,	844	1333	233 777	545	43	3542	100
								100
hare of RES i	in total generation (%)	11.41	15.68	30.01	0.93	0.49	15.35	1

H. All India Demand Diversity Factor	
Based on Regional Max Demands	1.024
Based on State Max Demands	1.082

Share of RES in total generation (%)
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation(%)

Based on State Max Demands

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

Source: RLDCs for solar connected to ISTS; SLDCs for embedded solar. Limited visibility of embedded solar data.

11.41 36.52

15.68 21.01

0.93 10.81

30.01 48.37

15.35 29.28

0.49 32.83

INTER-REGIONAL EXCHANGES

Import=(+ve) /Export =(-ve) for NET (MU)
Date of Reporting: 18-May-2021

						Date of Reporting:	
Sl Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
Import/Export of ER (With NR)		_	-			
1 HVDC	ALIPURDUAR-AGRA	2	0	0	0.0	0.0 6.1	0.0
2 HVDC 3 765 kV	PUSAULI B/B GAYA-VARANASI	2	0	248 563	0.0	5.8	-6.1 -5.8
4 765 kV	SASARAM-FATEHPUR	1	172	49	1.4	0.0	1.4
5 765 kV 6 400 kV	GAYA-BALIA PUSAULI-VARANASI	1	0	564 250	0.0	8.4 5.3	-8.4 -5.3
7 400 kV	PUSAULI-VAKANASI PUSAULI -ALLAHABAD	i	0	58	0.0	0.6	-0.6
8 400 kV	MUZAFFARPUR-GORAKHPUR	2	110	471	0.0	5.7	-5.7
9 400 kV 10 400 kV	PATNA-BALIA BIHARSHARIFF-BALIA	4	0 109	724 179	0.0	10.1 1.5	-10.1 -1.5
11 400 kV	MOTIHARI-GORAKHPUR	2	19	307	0.0	5.3	-5.3
12 400 kV 13 220 kV	BIHARSHARIFF-VARANASI PUSAULI-SAHUPURI	2	68 38	212 127	0.0	1.1 1.0	-1.1 -1.0
14 132 kV	SONE NAGAR-RIHAND	i	0	0	0.0	0.0	0.0
15 132 kV	GARWAH-RIHAND	1	20	0	0.4	0.0	0.4
16 132 kV 17 132 kV	KARMANASA-SAHUPURI KARMANASA-CHANDAULI	1 1	0	0	0.0	0.0	0.0
				ER-NR	1.7	50.8	-49.1
Import/Export of ER (1.50				
1 765 kV 2 765 kV	JHARSUGUDA-DHARAMJAIGARH NEW RANCHI-DHARAMJAIGARH	4 2	1563 1711	0	22.0	0.0	22.0 29.5
3 765 kV	JHARSUGUDA-DURG	2	353	0	6.1	0.0	6.1
4 400 kV	JHARSUGUDA-RAIGARH	4	375	0	3.9	0.0	3.9
5 400 kV	RANCHI-SIPAT	2	485	0	7.6	0.0	7.6
6 220 kV	BUDHIPADAR-RAIGARH	1	34	57	0.0	0.2	-0.2
7 220 kV	BUDHIPADAR-KORBA	2	171	0	2.5	0.0	2.5
Instruct/En. (CFM)	West CD)			ER-WR	71.5	0.2	71.4
Import/Export of ER (1 HVDC	With SR) JEYPORE-GAZUWAKA B/B	2	0	392	0.0	8.7	-8.7
2 HVDC	TALCHER-KOLAR BIPOLE	2	0	1935	0.0	37.5	-37.5
3 765 kV 4 400 kV	ANGUL-SRIKAKULAM	2	120	3092	0.0	50.4	-50.4
4 400 kV 5 220 kV	TALCHER-I/C BALIMELA-UPPER-SILERRU	1	120 1	982 0	0.0	6.3 0.0	-6.3 0.0
		-		ER-SR	0.0	96.6	-96.6
Import/Export of ER (1 400 kV	With NER) BINAGURI-BONGAIGAON	2	243	12	2.0	0.0	2.0
2 400 kV	ALIPURDUAR-BONGAIGAON	2	383	13 35	3.0 3.4	0.0	3.0 3.4
	ALIPURDUAR-SALAKATI	2	58	25 ED MED	0.5	0.0	0.5
Import/Export of NER	(With NR)			ER-NER	7.0	0.0	7.0
	BISWANATH CHARIALI-AGRA	2	463	0	11.4	0.0	11.4
Import/Export of WR	(Wat ND)			NER-NR	11.4	0.0	11.4
1 HVDC	CHAMPA-KURUKSHETRA	2	0	4051	0.0	69.2	-69.2
2 HVDC	VINDHYACHAL B/B	-	203	257	4.1	0.4	3.7
3 HVDC 4 765 kV	MUNDRA-MOHINDERGARH GWALIOR-AGRA	2	0	1171 3093	0.0	25.5 61.9	-25.5 -61.9
5 765 kV	PHAGI-GWALIOR	2	0	1379	0.0	25.3	-25.3
6 765 kV	JABALPUR-ORAI	2	609	1058	0.0	40.8	-40.8
7 765 kV 8 765 kV	GWALIOR-ORAI SATNA-ORAI	1	610	0 1515	10.1 0.0	0.0 32.7	10.1 -32.7
9 765 kV	CHITORGARH-BANASKANTHA	2	78	891	0.0	8.8	-8.8
10 400 kV	ZERDA-KANKROLI	1	88	101	0.3	0.0	0.3
11 400 kV 12 400 kV	ZERDA -BHINMAL VINDHYACHAL -RIHAND	1	234 967	84 0	1.5 22.6	0.0	1.5 22.6
13 400 kV	RAPP-SHUJALPUR	2	0	449	0.0	7.9	-7.9
14 220 kV 15 220 kV	BHANPURA-RANPUR BHANPURA-MORAK	1	0	108 30	0.0	2.0	-2.0 -1.9
16 220 kV	MEHGAON-AURAIYA	i	58	39	0.0	0.8	-0.8
17 220 kV	MALANPUR-AURAIYA	1	22	58	0.1	0.3	-0.1
18 132 kV 19 132 kV	GWALIOR-SAWAI MADHOPUR RAJGHAT-LALITPUR	1 2	0	0	0.0	0.0	0.0
				WR-NR	38.7	277.4	-238.7
Import/Export of WR		1	210	Δ Ι		0.0	5.2
1 HVDC 2 HVDC	BHADRAWATI B/B RAIGARH-PUGALUR	2	219 482	0 1003	5.2 6.1	0.0	6.1
3 765 kV	SOLAPUR-RAICHUR	2	629	2310	0.0	17.7	-17.7
4 765 kV 5 400 kV	WARDHA-NIZAMABAD KOLHAPUR-KUDGI	2	0 716	2580 146	0.0 6.6	31.9 0.0	-31.9 6.6
6 220 kV	KOLHAPUR-CHIKODI	2	0	0	0.0	0.0	0.0
7 220 kV	PONDA-AMBEWADI	1	0	Ö	0.0	0.0	0.0
8 220 kV	XELDEM-AMBEWADI	1 1		0.0			0.7
		•		82 WR-SR	0.5	0.0	0.5 -31.2
	IN	TERNATIONAL EX	CHANGES			0.0 49.6	-31.2
State				WR-SR	0.5 18.4	0.0 49.6 Import(-31.2 +ve)/Export(-ve) Energy Exchange
State	Region	Line	Name		0.5	0.0 49.6	-31.2 +ve)/Export(-ve)
State	Region	Line 400kV MANGDECHH	Name U-ALIPURDUAR 1&2	Max (MW)	0.5 18.4 Min (MW)	0.0 49.6 Import(-31.2 +ve)/Export(-ve) Energy Exchange (MII)
State		Line 400kV MANGDECHH i.e. ALIPURDUAR RE MANGDECHU HEP 4	Name U-ALIPURDUAR 1&2 CEIPT (from *180MW)	WR-SR	0.5 18.4	0.0 49.6 Import(Avg (MW)	-31.2 +ve)/Export(-ve) Energy Exchange
State	Region ER	Line 400kV MANGDECHH i.e. ALIPURDUAR RE MANGDECHU HEP 4 400kV TALA-BINAGU	Name U-ALIPURDUAR 1&2 CEIPT (from *180MW) JRI 1,2,4 (& 400kV	Max (MW)	0.5 18.4 Min (MW)	0.0 49.6 Import(Avg (MW)	-31.2 +ve)/Export(-ve) Energy Exchange (MU) 6.4
State	Region	Line 400kV MANGDECHH i.e. ALIPURDUAR RE MANGDECHU HEP 4 400kV TALA-BINAGU MALBASE - BINAGU RECEIPT (from TALA-	Name U-ALIPURDUAR 1&2 CEIPT (from *180MW) IRI 1,2,4 (& 400kV RI) i.e. BINAGURI i. HEP (6*170MW)	Max (MW)	0.5 18.4 Min (MW)	0.0 49.6 Import(Avg (MW)	-31.2 +ve)/Export(-ve) Energy Exchange (MII)
	Region ER ER	Line 400kV MANGDECHH i.e. ALIPURDUAR RE MANGDECHU HEP 4 400kV TALA-BINAGU MALBASE - BINAGU RECEIPT (from TALA 220kV CHUKHA-BIR	Name U-ALIPURDUAR 1 & 2 CEIPT (from *180MW) JRI 1,2,4 (& 400kV RI) i.e. BINAGURI . HEP (6*170MW) PARA 1 & 2 (& 220kV	WR-SR Max (MW) 328 327	0.5 18.4 Min (MW) 0	0.0 49.6 Import(Avg (MW) 265	-31.2 +ve)/Export(-ve) Energy Exchange (MII) 6.4
State BHUTAN	Region ER	Line 400kV MANGDECHH i.e. ALIPURDUAR RE MANGDECHU HEP 4 400kV TALA-BINAGU MALBASE - BINAGU RECEIPT (from TALA-	Name U-ALIPURDUAR 1&2 CEIPT (from *180MW) JRI 1,2,4 (& 400kV RI) i.e. BINAGURI HEP (6*170MW) PARA 1&2 (& 220kV A) i.e. BIRPARA	Max (MW)	0.5 18.4 Min (MW)	0.0 49.6 Import(Avg (MW)	-31.2 +ve)/Export(-ve) Energy Exchange (MU) 6.4
	Region ER ER ER	Line 400kV MANGDECHH i.e. ALIPURDUAR RE MANGDECHU HEP 4 400kV TALA-BINAGU MALBASE - BINAGU RECEIPT (from TALA 220kV CHUKHA-BIR MALBASE - BIRPAR. RECEIPT (from CHUI	Name U-ALIPURDUAR 1&2 CEIPT (from *180MW) IRI 1,2,4 (& 400kV RI) i.e. BINAGURI HEP (6*170MW) PARA 1&2 (& 220kV A) i.e. BIRPARA KHA HEP 4*84MW)	Max (MW) 328 327 93	0.5 18.4 Min (MW) 0 194	0.0 49.6 Import(Avg (MW) 265 211	-31.2 +ve)/Export(-ve) Energy Exchange (MII) 6.4 5.1
	Region ER ER	Line 400kV MANGDECHH i.e. ALIPURDUAR RE MANGDECHU HEP 4 400kV TALA-BINAGU MALBASE - BINAGU RECEIPT (from TALA 220kV CHUKHA-BIRI MALBASE - BIRPAR.	Name U-ALIPURDUAR 1&2 CEIPT (from *180MW) IRI 1,2,4 (& 400kV RI) i.e. BINAGURI HEP (6*170MW) PARA 1&2 (& 220kV A) i.e. BIRPARA KHA HEP 4*84MW)	WR-SR Max (MW) 328 327	0.5 18.4 Min (MW) 0	0.0 49.6 Import(Avg (MW) 265	-31.2 +ve)/Export(-ve) Energy Exchange (MII) 6.4
	Region ER ER ER NER	Line 400kV MANGDECHH i.e. ALIPURDUAR RE MANGDECHU HEP 4 400kV TALA-BINAGU MALBASE - BINAGU RECEIPT (from TALA RACEEPT (from CHUI 132KV-GEYLEGPHU	Name U-ALIPURDUAR 1&2 CEIPT (from =)80MW) RI 1,2,4 (& 400kV RI) i.e. BINAGURI HEP (6*170MW) PARA 1&2 (& 220kV) i.e. BIRPARA KHA HEP 4*84MW) - SALAKATI	WR-SR Max (MW) 328 327 93 15	0.5 18.4 Min (MW) 0 194 45	0.0 49.6 Import(Avg (MW) 265 211 54	-31.2 +ve)/Export(-ve) Energy Exchange (MII) 6.4 5.1 1.3
	Region ER ER ER	Line 400kV MANGDECHH i.e. ALIPURDUAR RE MANGDECHU HEP 4 400kV TALA-BINAGU MALBASE - BINAGU RECEIPT (from TALA 220kV CHUKHA-BIR MALBASE - BIRPAR. RECEIPT (from CHUI	Name U-ALIPURDUAR 1&2 CEIPT (from =)80MW) RI 1,2,4 (& 400kV RI) i.e. BINAGURI HEP (6*170MW) PARA 1&2 (& 220kV) i.e. BIRPARA KHA HEP 4*84MW) - SALAKATI	Max (MW) 328 327 93	0.5 18.4 Min (MW) 0 194	0.0 49.6 Import(Avg (MW) 265 211	-31.2 +ve)/Export(-ve) Energy Exchange (MII) 6.4 5.1
	Region ER ER ER NER	Line 400kV MANGDECHH i.e. ALIPURDUAR RE MANGDECHU HEP 4 400kV TALA-BINAGU MALBASE - BINAGU RECEIPT (from TALA 220kV CHUKHA-BIRI MALBASE - BIRPARI MALBASE -	Name U-ALIPURDUAR 1&2 CEIPT (from =180MW) IRI 1,24 (& 400kV RRI 1,24 (& 400kV RRI 1,24 (& 400kV A) i.e. BINAGURI HEP (%-170MW) PARA 1&2 (& 220kV A) i.e. BIRPARA KHA HEP 4*84MW) - SALAKATI a III) -	WR-SR Max (MW) 328 327 93 15	0.5 18.4 Min (MW) 0 194 45 3	0.0 49.6 Import(Avg (MW) 265 211 54 -8	-31.2 +ve)/Export(-ve) Energy Exchange (MII) 6.4 5.1 1.3 -0.2
	Region ER ER ER NER	Line 400kV MANGDECHH Le, ALIPURDUAR RE MANGDECHU HEP4 400kV TALA, BINAGU MALBASE - BINAGU ECELEPT (from TALA 226kV CHUKRIA-BIR MALBASE - BIRPAR RECEIPT (from CHU 132KV-GEYLEGPHU 132kV Motanga-Rangi	Name U-ALIPURDUAR 1&2 CEIPT (from =180MW) IRI 1,24 (& 400kV RRI 1,24 (& 400kV RRI 1,24 (& 400kV A) i.e. BINAGURI HEP (%-170MW) PARA 1&2 (& 220kV A) i.e. BIRPARA KHA HEP 4*84MW) - SALAKATI a III) -	WR-SR Max (MW) 328 327 93 15	0.5 18.4 Min (MW) 0 194 45	0.0 49.6 Import(Avg (MW) 265 211 54	-31.2 +ve)/Export(-ve) Energy Exchange (MII) 6.4 5.1 1.3
	Region ER ER ER NER NER NER	Line 400kV MANGDECHH ic. ALIPURDAR RE MANGDECHU HEP 4 400kV TALA-BINAGU MALBASE - BINAGU RECEIPT (from TALA- ZONV CHUKHA-BIR MALBASE - BIRPAR MECEIPT (from CHUI 132kV-GEYLEGPHU 132kV Motanga-Rangi 132kV-TANAKPUR(N MAHENDRANAGAR	Name U-ALIPURDUAR 1 &2 CEIPT (from '180MW) RI 1,24 (& 400kV RRI 1,25 (& 220kV A) Le. BIRPARA (LRI HEP 4*SAMW) - SALAKATI a HH) - PG)	WR-SR Max (MW) 328 327 93 15 25 -76	0.5 18.4 Min (MW) 0 194 45 3	0.0 49.6 Import(Avg (MW) 265 211 54 -8 16	-31.2 +ve)/Export(-ve) Energy Exchange (MII) 6.4 5.1 1.3 -0.2 0.4 -1.6
	Region ER ER ER NER	Line 400kV MANGDECHH ic. ALIPURDAR RE MANGDECHU HEP 4 400kV TALA-BINAGU MALBASE - BINAGU RECEIPT (from TALA- ZONV CHUKHA-BIR MALBASE - BIRPAR MECEIPT (from CHUI 132kV-GEYLEGPHU 132kV Motanga-Rangi 132kV-TANAKPUR(N MAHENDRANAGAR	Name U-ALIPURDUAR 1&2 CEIPT (from =180MW) IRI 1,24 (& 400kV RRI 1,24 (& 400kV RRI 1,24 (& 400kV A) i.e. BINAGURI HEP (%-170MW) PARA 1&2 (& 220kV A) i.e. BIRPARA KHA HEP 4*84MW) - SALAKATI a III) -	WR-SR Max (MW) 328 327 93 15	0.5 18.4 Min (MW) 0 194 45 3	0.0 49.6 Import(Avg (MW) 265 211 54 -8	-31.2 +ve)/Export(-ve) Energy Exchange (MII) 6.4 5.1 1.3 -0.2
BHUTAN	Region ER ER ER NER NER NER RE	Line 400kV MANGDECHH Le ALIPURDIAR RE MANGDECHU HEP 4 400kV TALA-BINAGI MALBASE - BINAGU EECEIPT (from TALA 220kV CHUKHA-BIR MALBASE - BIRPAR RECEIPT (from CHUI 132kV-GEYLEGPHU 132kV Motanga-Rangi 132kV-TANAKPUR(M MAHENDRANAGAR(400kV-MUZAFFARP	Name U-ALIPURDUAR 1&2 CEIPT (from *180MW) 81 11,24 (& 400kV RI) Le. BINAGURI LEP (6*170MW) PARA 1&2 (& 220kV PARA 1&2 (& 220kV -10 LEP (6*170MV) - SALAKATI a HI) - PC) UR - DHALKEBAR DC	WR-SR Max (MW) 328 327 93 15 25 -76 -330	0.5 18.4 Min (MW) 0 194 45 3 3 0	0.0 49.6 Import(Avg (MW) 265 211 54 -8 16 -68	-31.2 +ve)/Export(-ve) Energy Exchange (MII) 6.4 5.1 1.3 -0.2 0.4 -1.6 -7.1
	Region ER ER ER NER NER NER	Line 400kV MANGDECHH ic. ALIPURDAR RE MANGDECHU HEP 4 400kV TALA-BINAGU MALBASE - BINAGU RECEIPT (from TALA- ZONV CHUKHA-BIR MALBASE - BIRPAR MECEIPT (from CHUI 132kV-GEYLEGPHU 132kV Motanga-Rangi 132kV-TANAKPUR(N MAHENDRANAGAR	Name U-ALIPURDUAR 1&2 CEIPT (from *180MW) 81 11,24 (& 400kV RI) Le. BINAGURI LEP (6*170MW) PARA 1&2 (& 220kV PARA 1&2 (& 220kV -10 LEP (6*170MV) - SALAKATI a HI) - PC) UR - DHALKEBAR DC	WR-SR Max (MW) 328 327 93 15 25 -76	0.5 18.4 Min (MW) 0 194 45 3	0.0 49.6 Import(Avg (MW) 265 211 54 -8 16	-31.2 +ve)/Export(-ve) Energy Exchange (MII) 6.4 5.1 1.3 -0.2 0.4 -1.6
BHUTAN	Region ER ER ER NER NER NER ER	Line 400kV MANGDECHH ic. ALIPURDUAR RE MANGDECHU HEP 4 400kV TALA-BINAGU RECEIPT (from TALA- MALBASE - BINAGU RECEIPT (from CHU) 132kV-GEYLEGPHU 132kV-GEYLEGPHU 132kV-TANAKPUR(N MAHENDRANAGAR(400kV-MUZAFFARP 132KV-BIHAR - NEP/	Name U-ALIPURDUAR 1 &2 CEIPT (from -180MW) RI 1,24 (& 400kV RR 1,24 (& 400kV RR 1,24 (& 400kV RR 1,24 (& 400kV ARA 1 &2 (& 200kV A) 1,6. BIRPARA (MA HEP 4*8AMW) - SALAKATI a HH) - PG) UR - DHALKEBAR DC AL	WR-SR Max (MW) 328 327 93 15 25 -76 -330 244	0.5 18.4 Min (MW) 0 194 45 3 3 0	0.0 49.6 Import Avg (MW) 265 211 54 -8 16 -68 -296	-31.2 +ve)/Export(-ve) Energy Exchange (MII) 6.4 5.1 1.3 -0.2 0.4 -1.6 -7.1
BHUTAN	Region ER ER ER NER NER NER RE	Line 400kV MANGDECHH Le ALIPURDIAR RE MANGDECHU HEP 4 400kV TALA-BINAGI MALBASE - BINAGU EECEIPT (from TALA 220kV CHUKHA-BIR MALBASE - BIRPAR RECEIPT (from CHUI 132kV-GEYLEGPHU 132kV Motanga-Rangi 132kV-TANAKPUR(M MAHENDRANAGAR(400kV-MUZAFFARP	Name U-ALIPURDUAR 1 &2 CEIPT (from -180MW) RI 1,24 (& 400kV RR 1,24 (& 400kV RR 1,24 (& 400kV RR 1,24 (& 400kV ARA 1 &2 (& 200kV A) 1,6. BIRPARA (MA HEP 4*8AMW) - SALAKATI a HH) - PG) UR - DHALKEBAR DC AL	WR-SR Max (MW) 328 327 93 15 25 -76 -330	0.5 18.4 Min (MW) 0 194 45 3 3 0	0.0 49.6 Import(Avg (MW) 265 211 54 -8 16 -68	-31.2 +ve)/Export(-ve) Energy Exchange (MII) 6.4 5.1 1.3 -0.2 0.4 -1.6
BHUTAN NEPAL	Region ER ER ER NER NER NER ER ER ER	Line 400kV MANGDECHH ic. ALIPURDUAR RE MANGDECHU HEP 4 400kV TALA-BINAGU RECEIPT (from TALA- MALBASE - BINAGU RECEIPT (from CHU) 132kV-GEYLEGPHU 132kV-GEYLEGPHU 132kV-TANAKPUR(N MAHENDRANAGAR(400kV-MUZAFFARP 132KV-BIHAR - NEP/	Name U-ALIPURUAR 1 &2 CEIPT (from *180MW) [81 1,2.4 (k. 400kV RI) i.e. BINAGURI LEP (6*170MW) PARA 1 &2 (k. 220kV 4) i.e. BIRPARA (LA HEP 4*84MW) - SALAKATI a [H] - PG] UR - DHALKEBAR DC AL (BANGLADESH)	WR-SR Max (MW) 328 327 93 15 25 -76 -330 244 -840	0.5 18.4 Min (MW) 0 194 45 3 3 0 -228 92	0.0 49.6 Import(Avg (MW) 265 211 54 -8 16 -68 -296 -189	-31.2 + vev/Export(-ve) Energy Exchange (MII) 6.4 5.1 1.3 -0.2 0.4 -1.6 -7.1 -4.5
BHUTAN	Region ER ER ER NER NER NER ER	Line 400kV MANGDECHH Le, ALIPURDUAR RE MANGDECHU HEP4 400kV TALA, BINAGI MALBASE - BINAGU MALBASE - BINAGU MALBASE - BIRPAR RECEIPT (from TALA 250kV CHUKITA BIR MALBASE - BIRPAR RECEIPT (from CHU 132kV-GEYLEGPHU 132kV-TANAKPUR(N MAHENDRANAGAR() 400kV-MUZAFFARP 132kV-BIHAR - NEP/ BHERAMARA HVDC	Name U-ALIPURDUAR 1&2 CEIPT (from 180 (CEIPT (from 180 (MV)) 180MW) RI 1,2-4 (4 400 (MV) RI) i.e. BINAGURI HEP (6+170MW) PARA 1&2 (& 220 (MV) - SALAKATI a HH) - PG) UR - DHALKEBAR DC AL (BANGLADESH)	WR-SR Max (MW) 328 327 93 15 25 -76 -330 244	0.5 18.4 Min (MW) 0 194 45 3 3 0	0.0 49.6 Import Avg (MW) 265 211 54 -8 16 -68 -296	-31.2 +ve)/Export(-ve) Energy Exchange (MII) 6.4 5.1 1.3 -0.2 0.4 -1.6 -7.1
BHUTAN NEPAL	Region ER ER ER NER NER NER NER NER ER ER ER ER NER	Line 400kV MANGDECHH Le ALIPURDUAR RE MANGDECHU HEP 4 400kV TALA-BINAGI MALBASE - BINAGU MALBASE - BINAGU 132kV-GHUKHA- BIR RECEIPT (from TALA 132kV-GEYLEGPHU 132kV-TANAKPUR(N MAHENDRANAGAR(400kV-MUZAFFARP 132kV-BIHAR - NEP/ BHERAMARA HVDC 132kV-SURAJMANI 132kV-SURAJMANI 132kV-SURAJMANI	Name U-ALIPURDUAR 1&2 CEIPT (from **180MW) #180MW) #R1 1,2-4 (& 400kV RI) i.e. BINAGURI hEP (6*170MW) PARA 1&2 (& 220kV A) A) i.e. BIRPARA KHA HEP 4*84MW) - SALAKATI a iH) - PG) UR - DHALKEBAR DC AL (BANGLADESH) VAGAR - ESH)-1	WR-SR Max (MW) 328 327 93 15 25 -76 -330 244 -840 -81	0.5 18.4 Min (MW) 0 194 45 3 3 0 -228 92 -834	0.0 49.6 Import Avg (MW) 265 211 54 -8 16 -68 -296 -189 -837	-31.2 +ve)/Export(-ve) Energy Exchange (MII) 6.4 5.1 1.3 -0.2 0.4 -1.6 -7.1 -4.5 -20.1
BHUTAN NEPAL	Region ER ER ER NER NER NER ER ER ER	Line 400KV MANGDECHH Le ALIPURDUAR RE MANGDECHU HEP 4 400KV TALA-BINAGI MALBASE - BINAGU 220KV CHUKHA- BIR MALBASE - BIRPAR RECEIPT (from TALA 132KV-GEYLEGPHU 132KV-GEYLEGPHU 132KV-TANAKPUR(N MAHENDRANAGAR 400KV-MUZAFFARP 132KV-BIHAR - NEP/ BHERAMARA HVDC 132KV-SURAJMAN I COMILLA(BANGLAI	Name U-ALIPURUAR 1&2 CEIPT (from *180MW) [81 1,2.4 (& 400kV RI) i.e. BINAGURI LEP (6*10MW) PARA 1&2 (& 220kV 4) i.e. BIRPARA KIA HEP 4*84MW) - SALAKATI a III) - PG) UUR - DHALKEBAR DC ML (BANGLADESH) NAGAR - DESH)-1 NAGAR -	WR-SR Max (MW) 328 327 93 15 25 -76 -330 244 -840	0.5 18.4 Min (MW) 0 194 45 3 3 0 -228 92	0.0 49.6 Import(Avg (MW) 265 211 54 -8 16 -68 -296 -189	-31.2 + vev/Export(-ve) Energy Exchange (MII) 6.4 5.1 1.3 -0.2 0.4 -1.6 -7.1 -4.5