

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: 13th July 2022

Ref: POSOCO/NLDC/SO/Daily PSP Report

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 12.07.2022.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-२०१० की धारा स.-५.५.१ के प्रावधान के अनुसार, दिनांक १२-जुलाई-२०२२ की अखिल भारतीय प्रणाली की

दैनिक ग्रिड निष्पादन रिपोर्ट रा०भा०प्रे०के० 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 12th July 2022, is available at the NLDC website.

धन्यवाद,

पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली



Report for previous day

A Power Supply Position at All India and Regional level Date of Reporting:

	NR	WR	SR	ER	NER	TOTAL
Demand Met during Evening Peak hrs(MW) (at 20:00 hrs; from RLDCs)	66502	48668	38694	25804	3244	182912
Peak Shortage (MW)	0	0	0	484	0	484
Energy Met (MU)	1593	1106	858	551	62	4170
Hydro Gen (MU)	371	29	100	109	33	642
Wind Gen (MU)	9	186	297	-	-	492
Solar Gen (MU)*	109.26	27.72	66.06	4.33	0.68	208
Energy Shortage (MU)	5.17	0.00	0.00	4.66	0.00	9.83
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	72639	48014	39645	25795	3297	184019
Time Of Maximum Demand Met (From NLDC SCADA)	22:35	19:38	07:47	20:00	19:18	19:54

Region	FVI	< 49.7	49.7 - 49.8	49.8 - 49.9	< 49.9	49.9 - 50.05	> 50.05			
All India	0.034	0.00	0.23	6.21	6.45	74.90	18.66			
C Power Sumply Position in States										

		Max.Demand	Shortage during	Energy Met	Drawal	OD(+)/UD(-)	Max OD	Energy
Region	States	Met during the	maximum	(MU)	Schedule	(MU)	(MW)	Shortag
		dav(MW)	Demand(MW)	(MC)	(MU)	(NIC)	(1111)	(MU)
	Punjab	13806	0	313.9	191.8	-1.4	77	0.00
	Haryana	10771	0	236.1	170.3	-0.2	197	0.00
	Rajasthan	11337	0	248.4	69.7	-1.1	422	0.00
	Delhi	6318	0	126.2	115.0	-2.7	160	0.00
NR	UP	25723	190	527.6	257.6	-0.4	682	3.81
	Uttarakhand	2186	0	48.1	27.7	-0.6	109	0.75
	HP	1534	0	32.2	-5.0	-2.3	9	0.61
	J&K(UT) & Ladakh(UT)	2116	0	54.1	31.4	-2.6	133	0.00
	Chandigarh	339	0	6.9	7.0	-0.2	34	0.00
	Chhattisgarh	4195	0	101.6	43.0	0.0	196	0.00
	Gujarat	14039	0	311.9	152.2	-6.2	664	0.00
	MP	9337	0	210.1	103.8	0.0	338	0.00
WR	Maharashtra	19873	0	424.0	118.5	-0.7	634	0.00
	Goa	574	0	11.7	11.5	0.1	53	0.00
	DNHDDPDCL	1165	0	26.7	26.6	0.1	50	0.00
	AMNSIL	902	0	19.8	11.2	-0.1	242	0.00
	Andhra Pradesh	7317	0	158.8	-4.4	-1.6	445	0.00
	Telangana	7157	0	135.3	62.8	0.1	425	0.00
SR	Karnataka	8110	0	159.0	21.3	-1.9	656	0.00
	Kerala	3412	0	69.0	39.3	-1.1	234	0.00
	Tamil Nadu	14936	0	327.1	116.2	-2.7	986	0.00
	Puducherry	408	0	8.9	8.7	-0.5	19	0.00
	Bihar	6584	0	134.6	125.9	0.7	498	4.34
	DVC	3632	0	76.7	-39.6	-0.4	301	0.00
	Jharkhand	1713	0	34.1	26.4	-0.5	252	0.32
ER	Odisha	5485	0	118.3	50.5	-1.5	337	0.00
	West Bengal	9119	0	185.9	75.3	0.2	365	0.00
	Sikkim	97	0	1.6	1.6	0.0	17	0.00
	Arunachal Pradesh	143	0	2.6	2.6	-0.3	26	0.00
	Assam	2150	0	40.9	32.5	0.0	177	0.00
	Manipur	195	0	2.8	2.8	0.0	14	0.00
NER	Meghalaya	328	0	6.1	0.7	-0.1	39	0.00
	Mizoram	98	0	1.6	1.3	-0.1	42	0.00
	Nagaland	149	0	2.7	2.4	-0.3	10	0.00
	Tripura	306	0	5.7	6.2	0.2	47	0.00

D. Transnational Exchanges (MU) - Import(+ve)/Export(-ve)			
	Bhutan	Nepal	Bangladesh
Actual (MU)	29.9	6.0	-13.7
Day Peak (MW)	1430.0	308.0	-585.0

E. Import Export by Regions (in Nie) - Import (+ve)/Export (-ve), OD(+)/OD(-)							
	NR	WR	SR	ER	NER	TOTAL	
Schedule(MU)	343.7	-192.1	-49.6	-95.1	-6.8	0.0	
Actual(MU)	348.5	-176.9	-84.4	-81.6	-9.8	-4.1	
O/D/U/D(MU)	4.8	15.2	-34.7	13.6	-3.0	-4.1	

F. Generation Outage(MW)							
	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	4210	15886	9568	2555	309	32527	44
State Sector	6895	17934	13675	2590	281	41374	56
Total	11105	33819	23243	5145	590	73901	100

	NR	WR	SR	ER	NER	All India	% Share
Coal	730	1051	341	557	15	2695	62
Lignite	24	4	56	0	0	85	2
Hydro	373	29	100	109	33	644	15
Nuclear	29	8	68	0	0	105	2
Gas, Naptha & Diesel	20	3	8	0	29	60	1
RES (Wind, Solar, Biomass & Others)	139	214	398	4	1	756	17
Total	1316	1310	971	670	78	4345	100
Share of RES in total generation (%)	10.54	16.33	41.01	0.65	0.88	17.40	1
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	41.13	19.15	58.27	16.93	43.04	34.64	

H. All India Demand Diversity Factor	
Based on Regional Max Demands	1.029
Baradan Ctata Man Danianda	1.062

Based on State Max Demands

1.063

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.

INTER-REGIONAL EXCHANGES

Import=(+ve) /Export =(-ve) for NET (MU)
Date of Reporting: 13-Jul-2022

No. of Cheese Lance Comp. Mac Impact ONTO Laport ONTO Expert ONTO NO.								Date of Reporting:	
		Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)		
1 1970	Impor					- ()	-	• • •	1.22 ()
1				2	0	1400	0.0	34.7	-34.7
1				:					-1.3
1			SASARAM-FATEHPUR	1					-1.4
1		765 kV	GAYA-BALIA	î				15.1	
1				1		62	0.0		-0.4
1			PUSAULI -ALLAHABAD	1		78			
The DRIVE ACTIVATIVE BALLY				2		612			
1	10			2				10.3	
1				2					
1				2					
12 1515 NACAR PATA REPRIAND				í					
17 13 13 ARSHANANANAMERER	15		NAGAR UNTARI-RIHAND	1	Ü			0.1	
S				1					
INDIVIDUAL OF COLUMN 1875 1941 -1,000.6 1941 -1,000.6 1941 -1,000.6 1941 -1,000.6 1941 -1,000.6 1941 -1,000.6 1941 -1,000.6 1941 -1,000.6 1941 -1,000.6 1941 -1,000.6 1941 -1,000.6 1941 -1,000.6 1941 -1,000.6				1					
1 PASSAY MINASCEPDA-DIMANAMACABIR 4 6.29 0 8.0 0.0 2.9									
2 756 kV NEW RANGELEMBRANDALGARIT 2 1663 0 29.9 0.0 29.9				,	,				
1									
1	-								
S 2004 N BANCHASPAT 2 357 0 6.6 0.0 6.6 2204 N BEDHIPADAR SAGAMH 1 18 199 0.0 1.14 1.4 7 2204 N BEDHIPADAR SAGAMH 1 18 199 0.0 0.1 1.4 1.4 7 2204 N BEDHIPADAR SAGAMH 2 72 8 8 0.5 0.0 0.5 8 100 100 1.4 1.4 1.5 1									
S 2284V BIDDIPADAR RAKCABH 1 18 109 0.0 1.4 1.4 1.4 1.5									
Total	-								
ENVELOPE 14.4 0.0 14.4 0.0 14.4 0.0 14.4 0.0 14.4 0.0 14.4 0.0 14.4 0.0 14.4 0.0 14.4 0.0 14.4 0.0 14.5									
	7	220 kV	BUDHIPADAR-KORBA	2	72				
1 HYDE PYPORE-CATYWAN ARE 2 SST 0 14.4 0.6 14.5	Imper	rt/Export of FD	With SR)			ER-WR	45.3	7.5	37.7
TYPE TALCERERODAR BITOUE 2 0 1194 0.0 289 -280			JEYPORE-GAZUWAKA B/B	2	587	0	14.4	0.0	14.4
A	2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1194	0.0	28.9	-28.9
S 20 RAJMURIA (PPER SILERER) 1 2 0 0.0									
Import Serior No. NYE		400 kV	TALCHER-I/C RALIMELA HOPED SHEDDII	2					
Images I	3	220 K V	DALEMELA-UFFER-SILEKKU	11					
1	Impor		With NER)						
32 10	1	400 kV	BINAGURI-BONGAIGAON						
Third Common Co									
ImportSystem of NER (With IN)	3	220 KV	ALIFURDUAK-SALAKATI	<u> </u>	15				
Depart D	Impor	rt/Export of NER	(With NR)				U.T		-0.1
	1	HVDC	BISWANATH CHARIALI-AGRA	2	0	703		16.9	
I IVDC CHAMPA KURUNSHETRA 2 0 5025 0.0 62.0 62.0 62.0 12.2	T	nt/Enmont of WD /	Wist ND)			NER-NR	0.0	16.9	-16.9
A				2.	1 0	5025	0.0	62.0	-62.0
3 HYDC MUNDRA-MOHINDERGARH 2 0 2021 0.0 42.2 42.2 4.7				Ē					
S			MUNDRA-MOHINDERGARH	2			0.0		-42.2
6				2					
7	_								
9 765 EV BANASKANTHA-CHITORGARH 2 935 81 8.4 0.0 8.4 10 765 EV VINDIPLY-GHAL-VARANASIS 2 0 3891 0.0 75.2 75.2 11 400 EV ZERDA-ANIKROLI 1 224 16 2.4 0.0 2.4 12 400 EV ZERDA-ANIKROLI 1 224 16 2.4 0.0 2.4 13 400 EV ZERDA-ANIKROLI 1 438 35 4.8 0.0 4.8 14 400 EV ZERDA-ANIKROLI 1 438 35 4.8 0.0 4.8 15 220 EV BHANPIRA-RANPUR 2 2.55 5.8 4.2 4. 4.9 3.5 15 220 EV BHANPIRA-RANPUR 1 0 0 0 0.0 0.0 16 220 EV BHANPIRA-RANPUR 1 0 0 0 0.0 2.4 2.4 17 220 EV BHANPIRA-RANPUR 1 0 0 0 0 0.0 16 220 EV BHANPIRA-MORAK 1 0 0 0 0 0 0 17 220 EV MBHANDA-MIRANA 1 5.9 0 0 0 0 0 18 220 EV BHANPIRA-RANPUR 1 0 0 0 0 0 0 19 23 EV MBHANDIRA-RIRANTA 1 5.9 0 0 0 0 0 10 23 EV MBHANDIRA-RIRANTA 1 5.9 0 0 0 0 0 10 23 EV MBHANDIRA-RIRANTA 1 5.9 0 0 0 0 0 10 23 EV MBHANDIRA-RIRANTA 1 0 0 0 0 0 0 10 23 EV MBHANDIRA-RIRANTA 1 0 0 0 0 0 0 10 23 EV MBHANDIRA-RIRANTA 2 2 2572 0 0 0 0 0 0 10 24 EV MBHANDIRA 2 2 2572 0 24.0 0 0 0 11 EVDIC BHANDIRA 2 2 2572 0 24.0 0 0 0 0 12 23 EV MBHANDIRA 2 2 2573 0 24.0 0 0 0 0 0 13 25 EV WARHANDIRA 2 2 2573 0 27.0 0 29.7 0 0 29.7 14 25 EV WARHANDIRA 2 2 2573 0 0 29.6 29				1				0.0	
10		765 kV	SATNA-ORAI	1					
11 400 kV ZERDA-KANKROLI				2					
12 490 kV ZERDA BIIINMAL				1					
13 400 kV VINDHYACHAL-RHIAND 1 961 0 20.8 0.0 20.8 14 40.9 3.3.5 15 220 kV BIANYERA-RANYER 1 0 1 0.0 0.0 0.0 0.0 0.0 0.0 16 224 2.24 1.24 17 220 kV BIANYERA-MORAK 1 0 0 0 0.0			ZERDA -BHINMAL	1				0.0	
15 220 kV BHANPURA-RANPUR 1			VINDHYACHAL -RIHAND	1					
16 220 kV BHANFURA-MORAK				2			1.4		
17 220 kV WEHGAON-AURAYA				1					
132 kV GWALIORSAWAIMADHOPUR		220 kV	MEHGAON-AURAIYA	1				0.1	
20 3.32 kV RAJGHAT-LALITPUR 2 0 0 0.0 0.0 0.0 0.0	18	220 kV	MALANPUR-AURAIYA	1	67	18	0.3		0.3
NR-NR				1					
Import/Export of WR (With SR)	20	132 KV	RAJGHA1-LALIIPUR			WR-NR			
2	Impor	rt/Export of WR (With SR)				20.0		-2000
3 765 kV SOLAPUR-RAICHUR 2 1534 1207 11.4 5.0 6.4 4 765 kV WARDHA-NIZAMBAD 2 0 2513 0.0 29.6 -29.6 5 400 kV KOLHAPUR-KUDGI 2 1590 0 29.7 0.0 0.0 0.0 6 220 kV KOLHAPUR-KUDGI 2 0 0 0.0 0.0 0.0 0.0 7 220 kV KOLHAPUR-KUDGI 1 0 0 0 0.0 0.0 0.0 0.0 8 220 kV KOLHAPUR-KUDGI 1 0 0 0 0.0 0.0 0.0 0.0 8 220 kV KOLHAPUR-KUDGI 1 0 0 0 0.0 0.0 0.0 0.0 9 220 kV KOLHAPUR-KUDGI 1 0 0 0 0.0 0.0 0.0 0.0 9 220 kV KOLHAPUR-KUDGI 1 0 0 0 0.0 0.0 0.0 0.0 9 220 kV KOLHAPUR-KUDGI 1 0 0 0 0.0 0.0 0.0 0.0 9 220 kV KOLHAPUR-KUDGI 1 0 0 0 0.0 0.0 0.0 0.0 9 220 kV KOLHAPUR-KUDGI 1 0 0 0 0.0 0.0 0.0 0.0 9 220 kV KOLHAPUR-KUDGI 1 0 0 0 0.0 0.0 0.0 0.0 0.0 9 220 kV KOLHAPUR-KUDGI 2 0 0 0 0.0 0.0 0.0 0.0 0.0 9 220 kV KOLHAPUR-KUDGI 2 0 0 0 0 0.0 0.0 0.0 0.0 9 220 kV KOLHAPUR-KUDGI 2 0 0 0 0 0 0.0 0.0 0.0 9 220 kV KOLHAPUR-KUDGI 2 0 0 0 0 0 0 0.0 0.0 0.0 0.0 0.0 9 207 kV 200 kV				-					
4 765 kV WARDHA-NIZAMABAD 2 0 2513 0.0 29.6 -29.6 -29.6 5 400 kV KOLHAPUR-KUEGI 2 1590 0 29.7 0.0 29.7 0.0 29.7 0.0									
S 400 kV KOLHAPUR-KUDGI 2 1590 0 29,7 0.0 29,7									
Column C								0.0	
S 220 kV XELDEM-AMBEWADI		220 kV	KOLHAPUR-CHIKODI	2					
State Region Line Name Max (MW) Min (MW) Avg (MW) Energy Exchange			PONDA-AMREWADI						
State Region Line Name Max (MW) Min (MW) Avg (MW) Energy Exchange (MU)	0			1		0	0.0	0.0	0.0
State Region Line Name Max (MW) Min (MW) Avg (MW) Energy Exchange (MU)		220 KV		1		0 107	0.0 1.9	0.0 0.0	0.0 1.9
State Region Line Name Max (MW) Min (MW) Avg (MW) M(MU)		220 KV	XELDEM-AMBEWADI	1 1 TERNATIONAL EV	0	0 107	0.0 1.9	0.0 0.0 34.6	0.0 1.9 93.5
BER 1,283 is. ALIPURDUAR RECEIPT from 514 0 453 10.9			XELDEM-AMBEWADI IN		CHANGES	0 107 WR-SR	0.0 1.9 128.1	0.0 0.0 34.6 Import	0.0 1.9 93.5 +ve)/Export(-ve)
MANGDECH HEP 4*180MW)			XELDEM-AMBEWADI IN	Line	CHANGES Name	0 107 WR-SR	0.0 1.9 128.1	0.0 0.0 34.6 Import	0.0 1.9 93.5 +ve)/Export(-ve) Energy Exchange
BHUTAN ER MALBASE - BINAGURI 24,4 600kV MALBASE - BINAGURI RECEIPT (from TALA HEP 64/190MW) 220kV CHUKHA-BIRPARA 18,2 6220kV MALBASE - BIRPARA 16,2 6220kV MALBASE - BIRPARA 16,2 6220kV MALBASE - BIRPARA 16,5 658 723 17,4 MALBASE - BIRPARA 16,5 10,5 MALBASE - BIRPARA 10,5 MA			XELDEM-AMBEWADI IN Region	Line 400kV MANGDECHI	CHANGES Name	0 107 WR-SR	0.0 1.9 128.1 Min (MW)	0.0 0.0 34.6 Importe Avg (MW)	0.0 1.9 93.5 +ve)/Export(-ve) Energy Exchange (MU)
ER MALBASE - BINAGURI (A BEY 66-170MW) 81.5 65.8 72.3 17.4			XELDEM-AMBEWADI IN Region	Line 400kV MANGDECHI 1,2&3 i.e. ALIPURDU	CHANGES Name HU-ALIPURDUAR AR RECEIPT (from	0 107 WR-SR	0.0 1.9 128.1 Min (MW)	0.0 0.0 34.6 Importe Avg (MW)	0.0 1.9 93.5 +ve)/Export(-ve) Energy Exchange (MU)
BHUTAN ER MALBASE - BIRPARAN 16 (2 220kV 220			XELDEM-AMBEWADI IN Region	Line 400kV MANGDECHI 1,2&3 i.e. ALIPURDU MANGDECHU HEP 400kV TALA-BINAG	CCHANGES Name HU-ALIPURDUAR AR RECEIPT (from 4*180MW) URI 1,2,4 (& 400kV	0 107 WR-SR	0.0 1.9 128.1 Min (MW)	0.0 0.0 34.6 Import Avg (MW)	0.0 1.9 93.5 +ve)/Export(-ve) Energy Exchange (MU)
BHUTAN ER MALBASE - BIRPARA) 105 94 105 2.6 RECEIPT (from CHUKHA HEP 4*84MW) 9 0 5 0.1 NER 132kV GELEPHU-SALAKATI 9 0 5 0.1 NER 132kV MOTANGA-RANGIA 46 29 37 0.9 NR 132kV MAHENDRANAGAR- .74 0 .49 .1.2 NEPAL ER NEPAL IMPORT (FROM BIHAR) 8 4 -6 -0.2 ER 400kV DHALKEBAR-MUZAFFARPUR 1&2 374 208 304 7.3 ER BHERAMARA B/B HVDC (BANGLADESH) .505 .493 .499 .12.0 RANGLADESH NEPA 132kV COMILLA-SURAJMANI NAGAR 80 .72 .17 RANGLADESH NEPA 132kV COMILLA-SURAJMANI NAGAR 80 .72 .17 RANGLADESH NEPA 132kV COMILLA-SURAJMANI NAGAR 80 .72 .17 RANGLADESH NEPA .72 .17 .72 .73 RANGLADESH NEPA .72 .73 .74 .75			XELDEM-AMBEWADI IN Region ER	Line 400kV MANGDECHI 1,2&3 i.e. ALIPURDU MANGDECHU HEP 400kV TALA-BINAG MALBASE - BINAGU	CCHANGES Name Hu-ALIPURDUAR AR RECEIPT (from 4*180MW) URI 1,2,4 (& 400kV	0 107 WR-SR Max (MW)	0.0 1.9 128.1 Min (MW)	0.0 0.0 34.6 Import Avg (MW)	0.0 1.9 93.5 +ve)/Export(-ve) Energy Exchange (MU) 10.9
NER			XELDEM-AMBEWADI IN Region ER	Line 400kV MANGDECHI 1,2&3 i.e. ALIPURDU MANGDECHU HEP 400kV TALA-BINAG MALBASE - BINAGU RECEIPT (from TAL	CHANGES Name HU-ALIPURDUAR AR RECEIPT (from 4*180MW) URI 1,2,4 (& 400kV IRI) i.e. BINAGURI A HEP (6*170MW)	0 107 WR-SR Max (MW)	0.0 1.9 128.1 Min (MW)	0.0 0.0 34.6 Import Avg (MW)	0.0 1.9 93.5 +ve)/Export(-ve) Energy Exchange (MU) 10.9
NER 132kV MOTANGA-RANGIA 46 29 37 0.9		State	IN Region ER ER	Line 400kV MANGDECHI 1,2&3 i.e. ALIPURDU MANGDECHU HEP 400kV TALA-BINAG MALBASE - BINAGU RECEIPT (from TAL 220kV CHUKHA-BIR MALBASE - BIRPAB MALBASE - BIRPAB	CHANGES Name HU-ALIPURDUAR AR RECEIPT (from 4180MW) URI 1,2,4 (& 400kV) URI 1,2,4 (& 400kV) URI 1,2,4 (& 400kV) PARA 1,8 1,0 (& 200kV) PARA 1,8 2 (& 220kV)	0 107 WR-SR Max (MW) 514	0.0 1.9 128.1 Min (MW) 0	0.0 0.0 34.6 Importe Avg (MW) 453	0.0 1.9 93.5 +ve)/Export(-ve) Energy Exchange (MU) 10.9
NER 132kV MOTANGA-RANGIA 46 29 37 0.9		State	IN Region ER ER	Line 400kV MANGDECHI 1,2&3 i.e. ALIPURDU MANGDECHU HEP 400kV TALA-BINAG MALBASE - BINAGU RECEIPT (from TAL 220kV CHUKHA-BIR MALBASE - BIRPAB MALBASE - BIRPAB	CHANGES Name HU-ALIPURDUAR AR RECEIPT (from 4180MW) URI 1,2,4 (& 400kV) URI 1,2,4 (& 400kV) URI 1,2,4 (& 400kV) PARA 1,8 1,0 (& 200kV) PARA 1,8 2 (& 220kV)	0 107 WR-SR Max (MW) 514	0.0 1.9 128.1 Min (MW) 0	0.0 0.0 34.6 Importe Avg (MW) 453	0.0 1.9 93.5 +ve)/Export(-ve) Energy Exchange (MU) 10.9
NR 132kV MAHENDRANAGAR- TANAKPUR(NHPC) -74 0 -49 -1.2 NEPAL ER NEPAL IMPORT (FROM BIHAR) 8 4 -6 -0.2 ER 400kV DHALKEBAR-MUZAFFARPUR 1&2 374 208 304 7.3 ER BHERAMARA B/B HVDC (BANGLADESH) -505 -493 -499 -12.0 RANGLADESH NEP 132kV COMILLA-SURAJMANI NAGAR 80 0 772 1.7		State	IN Region ER ER ER	Line 400KV MANGDECHI 1,2&3 i.e. ALIPURDU MANGDECHU HEP 400KV TALA-BINAG MALBASE - BINAGU RECEIPT (from TAL 220KV CHUKHA-BIR MALBASE - BIRPAR RECEIPT (from CHU	CCHANGES Name HU-ALIPURDUAR AR RECEIPT (from 4*180MW) URI 1,2,4 (& 400kV)RI) i.e. BINAGURI A HEP (6*170MW) PARA 1 k2 (& 220kV A) i.e. BIRPARA KHA HEP 4*84MW)	0 107 WR-SR Max (MW) 514 815	0.0 1.9 1.28.1 Min (MW) 0 658	0.0 0.0 34.6 Importi Avg (MW) 453 723	0.0 1.9 93.5 +ve)/Export(-ve) Energy Exchange (MU) 10.9
NR 132kV MAHENDRANAGAR- TANAKPUR(NHPC) -74 0 -49 -1.2 NEPAL ER NEPAL IMPORT (FROM BIHAR) 8 4 -6 -0.2 ER 400kV DHALKEBAR-MUZAFFARPUR 1&2 374 208 304 7.3 ER BHERAMARA B/B HVDC (BANGLADESH) -505 -493 -499 -12.0 RANGLADESH NEP 132kV COMILLA-SURAJMANI NAGAR 80 0 772 1.7		State	IN Region ER ER ER	Line 400KV MANGDECHI 1,2&3 i.e. ALIPURDU MANGDECHU HEP 400KV TALA-BINAG MALBASE - BINAGU RECEIPT (from TAL 220KV CHUKHA-BIR MALBASE - BIRPAR RECEIPT (from CHU	CCHANGES Name HU-ALIPURDUAR AR RECEIPT (from 4*180MW) URI 1,2,4 (& 400kV)RI) i.e. BINAGURI A HEP (6*170MW) PARA 1 k2 (& 220kV A) i.e. BIRPARA KHA HEP 4*84MW)	0 107 WR-SR Max (MW) 514 815	0.0 1.9 1.28.1 Min (MW) 0 658	0.0 0.0 34.6 Importi Avg (MW) 453 723	0.0 1.9 93.5 +ve)/Export(-ve) Energy Exchange (MU) 10.9
NEPAL ER NEPAL IMPORT (FROM BIHAR) 8 4 -6 -0.2 ER 400kV DHALKEBAR-MUZAFFARPUR 1&2 374 208 304 7.3 ER BHERAMARA B/B HVDC (BANGLADESH) -505 -493 -499 -12.0 RANGLADESH NEP 132kV COMILLA-SURAJMANI NAGAR 80 0 772 1.7		State	XELDEM-AMBEWADI IN Region ER ER ER NER	Line 400kV MANGDECHI 1,2&3 i.e. ALIPURDU MANGDECHU HEP 400kV TALA-BINAG MALBASE - BINAGU MALBASE - BINAGU MALBASE - BIRPAR RECEIPT (from TAL 132kV GELEPHU-SA	CHANGES Name HU-ALIPURDUAR AR RECEIPT (from 4*180MW) URI 1,2,4 (& 400kV rgh. Le, BINAGURI A HEP (6*170MW) PJRAR 182,4 (& 220kV A) Le, BIRPARA KHA HEP 4*84MW) LAKATI	0 107 WR-SR Max (MW) 514 815 105	0.0 1.9 1.9 128.1 Min (MW) 0 658 94	0.0 0.0 34.6 Importi Avg (MW) 453 723 105	0.0 1.9 93.5 +ve)/Export(-ve) Energy Exchange (MU) 10.9 17.4 2.6
NEPAL ER NEPAL IMPORT (FROM BIHAR) 8 4 -6 -0.2 ER 400kV DHALKEBAR-MUZAFFARPUR 1&2 374 208 304 7.3 ER BHERAMARA B/B HVDC (BANGLADESH) -505 -493 -499 -12.0 RANGLADESH NEP 132kV COMILLA-SURAJMANI NAGAR 80 0 772 1.7		State	XELDEM-AMBEWADI IN Region ER ER ER NER	Line 400kV MANGDECHI 1,2&3 i.e. ALIPURDU MANGDECHU HEP 400kV TALA-BINAG MALBASE - BINAGU MALBASE - BINAGU MALBASE - BIRPAR RECEIPT (from TAL 132kV GELEPHU-SA	CHANGES Name HU-ALIPURDUAR AR RECEIPT (from 4*180MW) URI 1,2,4 (& 400kV rgh. Le, BINAGURI A HEP (6*170MW) PJRAR 182,4 (& 220kV A) Le, BIRPARA KHA HEP 4*84MW) LAKATI	0 107 WR-SR Max (MW) 514 815 105	0.0 1.9 1.9 128.1 Min (MW) 0 658 94	0.0 0.0 34.6 Importi Avg (MW) 453 723 105	0.0 1.9 93.5 +ve)/Export(-ve) Energy Exchange (MU) 10.9 17.4 2.6
NEPAL ER NEPAL IMPORT (FROM BIHAR) 8 4 -6 -0.2		State	XELDEM-AMBEWADI IN Region ER ER ER NER	Line 1,283 i.e. ALIPURDU MANGDECHU HEP 400KY TALA SINAG MALBASE - BINAGI RECEIPT (From TAL 220KV CHUKHA-BIR MALBASE - BIRPAF RECEIPT (from GHL 132kV GELEPHU-SA 132kV MOTANGA-R	OCHANGES Name HU-ALIPURDUAR AR RECEIPT (from 4º ISOMW) URI 1.2.4 (8. 400RV URI 1.2. (8. 400RV URI 1.2. (8. 20RV PARA 1.2. (8. 22RV PARA 1.2. (8. 22RV LAKATI ANGIA	0 107 WR-SR Max (MW) 514 815 105	0.0 1.9 1.9 128.1 Min (MW) 0 658 94	0.0 0.0 34.6 Importi Avg (MW) 453 723 105	0.0 1.9 93.5 +ve)/Export(-ve) Energy Exchange (MU) 10.9 17.4 2.6
ER 400kV DHALKEBAR-MUZAFFARPUR 1&2 374 208 304 7.3 ER BHERAMARA B/B HVDC (BANGLADESH) -505 -493 -499 -12.0 RANGLADESH NEB 132kV COMILLA-SURAJMANI NAGAR 90 0 772 1.7		State	IN Region ER ER ER NER	Line 400kV MANGDECHI 1,2&3i.e. ALPURDU MANGDECHU HEP 400kV TALA-BINAG MALBASE - BINAGI RECEIPT (from TAL 220kV CHUKHA-BIB MALBASE - BIRPAG RECEIPT (from CHU 132kV GELEPHU-SA 132kV MOTANGA-R 132kV MAHENDRAY	CCHANGES Name HU-ALIPURDUAR AR RECEIPT (from 4*180MW) URI 1,2,4 (& 400kV RIP 1,2,4 (& 400kV RIP 1,2,4 (& 400kV A) 1,6, BRPARA KHA HEP 4*84MW) LAKATI ANGIA NAGAR-	0 107 WR-SR Max (MW) 514 815 105 9	0.0 1.9 1.28.1 Min (MW) 0 658 94 0	0.0 0.0 34.6 Import Avg (MW) 453 723 105	0.0 1.9 93.5 +ve)/Export(-ve) Energy Exchange (MU) 10.9 17.4 2.6 0.1
ER 400kV DHALKEBAR-MUZAFFARPUR 1&2 374 208 304 7.3 ER BHERAMARA B/B HVDC (BANGLADESH) -505 -493 -499 -12.0 RANGLADESH NEB 132kV COMILLA-SURAJMANI NAGAR 90 0 772 1.7		State	IN Region ER ER ER NER	Line 400kV MANGDECHI 1,2&3i.e. ALPURDU MANGDECHU HEP 400kV TALA-BINAG MALBASE - BINAGI RECEIPT (from TAL 220kV CHUKHA-BIB MALBASE - BIRPAG RECEIPT (from CHU 132kV GELEPHU-SA 132kV MOTANGA-R 132kV MAHENDRAY	CCHANGES Name HU-ALIPURDUAR AR RECEIPT (from 4*180MW) URI 1,2,4 (& 400kV RIP 1,2,4 (& 400kV RIP 1,2,4 (& 400kV A) 1,6, BRPARA KHA HEP 4*84MW) LAKATI ANGIA NAGAR-	0 107 WR-SR Max (MW) 514 815 105 9	0.0 1.9 1.28.1 Min (MW) 0 658 94 0	0.0 0.0 34.6 Import Avg (MW) 453 723 105	0.0 1.9 93.5 +ve)/Export(-ve) Energy Exchange (MU) 10.9 17.4 2.6 0.1
ER BHERAMARA B/B HVDC (BANGLADESH) -505 -493 -499 -12.0 RANGLADESH NED 132kV COMILLA-SURAJMANI NAGAR 80 0 772 1.7		State BHUTAN	IN Region ER ER ER NER NER	Line 1,2&31.e. ALPURDU MANGDECHU HEP 4008V TALA BINAG MALBASE - BINAGU RECEIPT (from TAL 132kV MOTANGA-R 132kV MAHENDRA-T TANAKPUR(NHPC)	CHANGES Name HU-ALIPURDUAR AR RECEIPT (from 4*180MW) URI 1;2,4 (8 400kV URI 1;6, 16 400kV URI 1;6, 20 40kV AI 1;6, 18 HAGURI AHEP (6*170MW) PARA 1;6;2 (8 220kV A) 1;6, BIRPARA KHA HEP 4*84MW) LAKATI ANGIA NAGAR-	0 107 WR-SR Max (MW) 514 815 105 9 46	0.0 1.9 1.9 128.1 Min (MW) 0 658 94 0	0.0 0.0 34.6 Importi Avg (MW) 453 723 105 5 37	0.0 1.9 93.5 +ve)/Export(-ve) Energy Exchange (MU) 10.9 17.4 2.6 0.1 0.9
ER BHERAMARA B/B HVDC (BANGLADESH) -505 -493 -499 -12.0 RANGLADESH NED 132kV COMILLA-SURAJMANI NAGAR 80 0 772 1.7		State BHUTAN	IN Region ER ER ER NER NER	Line 1,2&31.e. ALPURDU MANGDECHU HEP 4008V TALA BINAG MALBASE - BINAGU RECEIPT (from TAL 132kV MOTANGA-R 132kV MAHENDRA-T TANAKPUR(NHPC)	CHANGES Name HU-ALIPURDUAR AR RECEIPT (from 4*180MW) URI 1;2,4 (8 400kV URI 1;6, 16 400kV URI 1;6, 20 40kV AI 1;6, 18 HAGURI AHEP (6*170MW) PARA 1;6;2 (8 220kV A) 1;6, BIRPARA KHA HEP 4*84MW) LAKATI ANGIA NAGAR-	0 107 WR-SR Max (MW) 514 815 105 9 46	0.0 1.9 1.9 128.1 Min (MW) 0 658 94 0	0.0 0.0 34.6 Importi Avg (MW) 453 723 105 5 37	0.0 1.9 93.5 +ve)/Export(-ve) Energy Exchange (MU) 10.9 17.4 2.6 0.1 0.9
RANGI ADESH NED 132kV COMILLA-SURAJMANI NAGAR 80 0 72 1.7		State BHUTAN	IN Region ER ER ER NER NER NER ER	Line 400kV MANGBECHI 1,2&31e. ALIPURDU MANGBECHU HEP 400kV TALA-BINAG MALBASE - BINAGG MALBASE - BINAGG MALBASE - BIRPAG MALBASE - BIRPAG MALBASE - BIRPAG RECEIPT (from CHU 132kV GELEPHU-SA 132kV MOTANGA-R 132kV MAHENDRAM TANAKPUR(NHPC) NEPAL IMPORT (FE	CCHANGES Name HU-ALIPURDUAR AR RECEIPT (from 4*180MW) URI 1,2,4 (8*400kV IRI) i.e. BINAGURI A HEP (6*170MW) PARA 1 k2 (8*220kV IRI) i.e. BINAFARA KHA HEP 4*84MW) LAKATI ANGIA NAGAR- ROM BIHAR)	0 107 WR-SR Max (MW) 514 815 105 9 46 -74	0.0 1.9 1.9 128.1 Min (MW) 0 658 94 0 29 0 4	0.0 0.0 34.6 Import Avg (MW) 453 723 105 5 37 -49	0.0 1.9 93.5 +ve)/Export(-ve) Energy Exchange (MU) 10.9 17.4 2.6 0.1 0.9 -1.2
RANGI ADESH NED 132kV COMILLA-SURAJMANI NAGAR 80 0 72 1.7		State BHUTAN	IN Region ER ER ER NER NER NER ER	Line 400kV MANGBECHI 1,2&31e. ALIPURDU MANGBECHU HEP 400kV TALA-BINAG MALBASE - BINAGG MALBASE - BINAGG MALBASE - BIRPAG MALBASE - BIRPAG MALBASE - BIRPAG RECEIPT (from CHU 132kV GELEPHU-SA 132kV MOTANGA-R 132kV MAHENDRAM TANAKPUR(NHPC) NEPAL IMPORT (FE	CCHANGES Name HU-ALIPURDUAR AR RECEIPT (from 4*180MW) URI 1,2,4 (8*400kV IRI) i.e. BINAGURI A HEP (6*170MW) PARA 1 k2 (8*220kV IRI) i.e. BINAFARA KHA HEP 4*84MW) LAKATI ANGIA NAGAR- ROM BIHAR)	0 107 WR-SR Max (MW) 514 815 105 9 46 -74	0.0 1.9 1.9 128.1 Min (MW) 0 658 94 0 29 0 4	0.0 0.0 34.6 Import Avg (MW) 453 723 105 5 37 -49	0.0 1.9 93.5 +ve)/Export(-ve) Energy Exchange (MU) 10.9 17.4 2.6 0.1 0.9 -1.2
		State BHUTAN	IN Region ER ER ER NER NER NER ER	Line 400kV MANGDECHI 1,2&3 1.e. ALIPURDU MANGDECHU HEP 400kV TALA-BINAG MALBASE - BINAGI RECEPIT (from TAL 220kV CHUKHA-BIR MALBASE - BIRPAR HECEPIT (from CHU 132kV MOTANGA-R 132kV MOTANGA-R 132kV MAHENDRA- TANAKPUR(NHPC) NEPAL IMPORT (FE 400kV DHALKEBAR	CCHANGES Name #U-ALIPURDUAR AR RECEIPT (from #180MW) URI 12,4 (8 400RV IRI 16, 16 400RV IRI 16,	0 107 WR-SR Max (MW) 514 815 105 9 46 -74 8	0.0 1.9 1.9 128.1 Min (MW) 0 658 94 0 29 0 4 208	0.0 0.0 34.6 Importi Avg (MW) 453 723 105 5 37 -49 -6	0.0 1.9 93.5 +ve)/Export(-ve) Energy Exchange (MU) 10.9 17.4 2.6 0.1 0.9 -1.2 -0.2 7.3
		State BHUTAN	IN Region ER ER ER NER NER NER ER	Line 400kV MANGDECHI 1,2&3 1.e. ALIPURDU MANGDECHU HEP 400kV TALA-BINAG MALBASE - BINAGI RECEPIT (from TAL 220kV CHUKHA-BIR MALBASE - BIRPAR HECEPIT (from CHU 132kV MOTANGA-R 132kV MOTANGA-R 132kV MAHENDRA- TANAKPUR(NHPC) NEPAL IMPORT (FE 400kV DHALKEBAR	CCHANGES Name #U-ALIPURDUAR AR RECEIPT (from #180MW) URI 12,4 (8 400RV IRI 16, 16 400RV IRI 16,	0 107 WR-SR Max (MW) 514 815 105 9 46 -74 8	0.0 1.9 1.9 128.1 Min (MW) 0 658 94 0 29 0 4 208	0.0 0.0 34.6 Importi Avg (MW) 453 723 105 5 37 -49 -6	0.0 1.9 93.5 +ve)/Export(-ve) Energy Exchange (MU) 10.9 17.4 2.6 0.1 0.9 -1.2 -0.2
100.2		State BHUTAN	IN Region ER ER ER NER NER NER ER	Line 400kV MANGBECHI 1,2&31e. ALIPURDU MANGBECHU HEP 400kV TALA-BINAG MALBASE - BINAGG MALBASE - BINAGG MALBASE - BINAGG MALBASE - BIRPAG MALBASE - BIRPAG HALBASE HA	OCHANGES Name HU-ALIPURDUAR AR RECEIPT (from 4*180MW) URI 1,2,4 (8*400KV URI 1,2,4 (8*400	0 107 WR-SR Max (MW) 514 815 105 9 46 -74 8	0.0 1.9 1.9 128.1 Min (MW) 0 658 94 0 29 0 4 208	0.0 0.0 34.6 Importi Avg (MW) 453 723 105 5 37 -49 -6	0.0 1.9 93.5 +ve)/Export(-ve) Energy Exchange (MU) 10.9 17.4 2.6 0.1 0.9 -1.2 -0.2
	B/	State BHUTAN NEPAL	IN Region ER ER ER NER NER NER ER ER ER	Line 400kV MANGDECHI 1,2&31.e. ALIPURDU MANGDECHU HEP 400kV TALA-BINAG MALBASE - BINAGI RECEIPT (from TAL 132kV MOTANGA-R 132kV MOTANGA-R 132kV MAHENDRA- TANAKPUR(NHPC) NEPAL IMPORT (FE 400kV DHALKEBAR BHERAMARA B/B E 132kV COMILLA-SU	OCHANGES Name HU-ALIPURDUAR AR RECEIPT (from 4*180MW) URI 1,2,4 (8*400KV URI 1,2,4 (8*400	0 107 WR-SR Max (MW) 514 815 105 9 46 -74 8	0.0 1.9 1.9 128.1 Min (MW) 0 658 94 0 29 0 4 208	0.0 0.0 34.6 Import Avg (MW) 453 723 105 5 37 -49 -6 304 -499	0.0 1.9 93.5 +ve)/Export(-ve) Energy Exchange (MU) 10.9 17.4 2.6 0.1 0.9 -1.2 -0.2 7.3