

National Load Despatch Centre राष्ट्रीय भार प्रेषण केंद्र

POWER SYSTEM OPËRATION 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, कुतुब इन्स्टीट्यूशनल एरिया, कटवारिया सराये, न्यू दिल्ली-110016

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दिनांक: 29th Oct 2020

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 28.10.2020.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 28-अक्टूबर-2020 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 28th October 2020, 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

	NR	WR	SR	ER	NER	TOTAL
Demand Met during Evening Peak hrs(MW) (at 19:00 hrs; from RLDCs)	46782	49848	40200	19092	2755	158677
Peak Shortage (MW)	17	0	0	0	8	25
Energy Met (MU)	960	1166	887	375	49	3437
Hydro Gen (MU)	130	24	137	83	21	395
Wind Gen (MU)	3	26	16	-	-	45
Solar Gen (MU)*	35.32	30.51	96.76	4.57	0.12	167
Energy Shortage (MU)	0.3	0.0	0.0	0.0	0.0	0.4
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	47480	54062	40291	19435	2847	160276
Time Of Maximum Demand Met (From NLDC SCADA)	18:55	11:02	09:59	18:23	17:39	18:39

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	0.034	0.01	0.36	7.21	7.58	80.26	12.16

C. Power Supply Position in States

	ly 1 osition in states	Max.Demand	Shortage during	Energy Met	Drawal	OD(+)/UD(-)	Max OD	Energy
Region	States	Met during the	maximum	(MU)	Schedule	(MU)	(MW)	Shortage
		dav(MW)	Demand(MW)	(IVIO)	(MU)	(MIC)	(1/1///)	(MU)
	Punjab	5546	0	116.9	89.3	-0.7	215	0.0
	Haryana	6411	0	133.7	122.2	1.2	411	0.0
	Rajasthan	12215	0	242.4	90.8	1.7	379	0.0
	Delhi	3511	0	66.6	51.1	-0.8	206	0.0
NR	UP	15435	10	285.1	122.5	-0.7	541	0.3
	Uttarakhand	1770	0	35.4	25.8	0.7	124	0.0
	HP	1530	10	29.4	19.8	0.4	137	0.0
	J&K(UT) & Ladakh(UT)	2543	0	47.3	37.8	1.4	252	0.0
	Chandigarh	183	0	3.1	3.0	0.1	33	0.0
	Chhattisgarh	3470	0	78.5	27.5	-0.7	263	0.0
	Gujarat	15902	0	350.8	77.6	1.7	348	0.0
	MP	12226	0	255.8	157.3	-2.8	336	0.0
WR	Maharashtra	19254	0	428.7	129.9	-2.5	451	0.0
	Goa	460	0	9.7	9.5	-0.4	43	0.0
	DD	344	0	7.7	7.4	0.3	28	0.0
	DNH	782	0	18.0	17.9	0.1	55	0.0
	AMNSIL	794	0	16.7	4.2	-0.4	277	0.0
	Andhra Pradesh	8003	0	172.2	74.5	-0.7	486	0.0
	Telangana	7392	0	157.3	43.0	-1.0	434	0.0
SR	Karnataka	8632	0	163.2	52.2	0.5	506	0.0
	Kerala	3538	0	71.5	45.1	0.1	249	0.0
	Tamil Nadu	14564	0	315.4	193.1	-0.6	544	0.0
	Puducherry	373	0	7.6	7.9	-0.3	52	0.0
	Bihar	4686	0	83.2	78.0	0.9	284	0.0
	DVC	3700	0	62.3	-40.9	0.4	269	0.0
	Jharkhand	1423	0	24.8	20.7	-0.7	95	0.0
ER	Odisha	4169	0	76.9	2.1	0.3	584	0.0
	West Bengal	7031	0	126.5	33.3	0.0	369	0.0
	Sikkim	79	0	1.1	1.1	0.0	37	0.0
	Arunachal Pradesh	113	1	2.2	2.0	0.2	36	0.0
	Assam	1757	7	29.6	24.9	1.6	138	0.0
	Manipur	202	2	2.9	2.6	0.3	20	0.0
NER	Meghalaya	315	0	5.8	-0.2	0.0	48	0.0
	Mizoram	99	2	1.6	0.6	0.6	37	0.0
	Nagaland	134	2	2.4	2.3	-0.1	17	0.0
	Tripura	280	1	4.7	4.7	0.0	26	0.0

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	24.8	-0.4	-26.0
Day Peak (MW)	1407.0	-150.5	-1109.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	306.9	-286.5	111.4	-127.2	-4.5	0.0
Actual(MU)	306.4	-291.8	112.2	-134.0	-2.5	-9.6
O/D/U/D(MU)	-0.5	-5.2	0.8	-6.7	2.1	-9.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL
Central Sector	6800	15105	10442	1970	660	34977
State Sector	15394	14307	13276	6715	11	49703
Total	22194	29412	23718	8685	671	84679

G. Sourcewise generation (MU)

St Source wise generation (1916)						
	NR	WR	SR	ER	NER	All India
Coal	419	1267	394	462	7	2549
Lignite	22	11	25	0	0	57
Hydro	130	24	137	83	21	395
Nuclear	28	21	69	0	0	117
Gas, Naptha & Diesel	23	85	16	0	28	153
RES (Wind, Solar, Biomass & Others)	49	57	146	5	0	256
Total	670	1464	787	550	57	3527
			T	1		1
Share of RES in total generation (%)	7.28	3.87	18.56	0.83	0.21	7.26
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation(%)	30.77	6.92	44.74	15.98	37.60	21.79

H. All India Demand Diversity Factor

11. 111 India Deniana Diversity Lactor	
Based on Regional Max Demands	1.024
Based on State Max Demands	1.054

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: 29-Oct-2020

	2	No	-		1	1	·		Date of Reporting:	29-Oct-2020
	- 0 299 0 7,1 -7,1 -7,1 2 0 728 0 148 -148 -148 1 0 488 0 488 -10 488 -148 -148 1 0 488 0 0 87,7 -87 -87 1 0 129 0 0 44,4 -44 -44 -44 1 0 129 0 0 47,7 -87 -87 2 0 186 0 167,7 -167 -167 2 0 0 432 0 0 167,7 -167 2 0 0 432 0 0 167,7 -167 2 0 0 432 0 0 167,7 -167 3 2 10 3 388 0 0 5,7 -5,7 4 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 1 2 0 662 425 6.1 0 0 6.1 2 2 2 2 2 2 2 3 3 4 4 68 275 0 0 1,7 -1,7 2 2 2 2 3 3 3 18 0 2 10 0 152 0 0 0 1,7 -1,7 2 2 10 0 152 0 0 0 2 10 0 152 0 0 0 0 2 0 157 0 0 0 0 0 2 0 158 0 0 0 0 0 2 0 159 0 0 0 0 0 2 0 159 0 0 0 0 0 2 0 159 0 0 0 0 0 2 0 159 0 0 0 0 0 2 0 159 0 0 0 0 0 2 0 159 0 0 0 0 0 2 0 159 0 0 0 0 0 2 0 159 0 0 0 0 0 2 0 159 0 0 0 0 0 3 1 1 0 0 0 0 0 4 1 1 0 0 0 0 0 4 1 1 0 0 0 0 0 0 5 1 1 0 0 0 0 0 0 5 2 10 0 0 0 0 0 0 5 2 10 0 0 0 0 0 0 6 1 1 0 0 0 0 0 0 7 1 1 0 0 0 0 0 0 8 1 1 0 0 0 0 0 0 9 1 1 0 0 0 0 0 0 1 1 1 0 0 0		Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
2 PAPE PASSATE DE	- 0 239 0.0 7.1 7.1 7.1	Import/l				Ι Δ	701	0.0	1/2	163
1	1		HVDC	PUSAULI B/B						
S	1	3	765 kV	GAYA-VARANASI	2	0	926	0.0	14.8	-14.8
0	1				1 1					
B	2	6	400 kV	PUSAULI-VARANASI	1	0	239	0.0	4.4	-4.4
0	4				1 2					
10	2	9	400 kV	PATNA-BALIA	4	0	1102	0.0	16.7	-16.7
12 1900 AV	2 125 308 0.0 1.9 -1.9 -1.9									-5.7 -5.5
14 1334Y SONT NAGRERHAND	1	12	400 kV	BIHARSHARIFF-VARANASI			308	0.0	1.9	-1.9
15 133-14 GARFWIATSHIAND 1 20 0 0.3 6.0 6	1				1	· ·				
17 121A* SARMANANASA-CHANDACHA 1	1	15	132 kV	GARWAH-RIHAND	1		0	0.3	0.0	0.3
The Company of TRANSPORT 1.4 1.5 1.4 1.5 1.5 1.4 1.5 1	FR-NR 0,3 99,3				1					
1 76.5 N.Y THARSECTA-DIMARAMIACART 4 748 757 1.4 0.0	2				1	U				
2	2					T =40				
1	2	_								
4	4 68 275 0.0 1.7 1.17 1.17 2 2 228 135 1.8 0.0 1.8 1.8 0.0 1.8 1.8 0.0 1.8 1.8 1.8 0.0 1.8 1.9						<u> </u>			
5 229 A.V REDIPLYADAR-KANGRIA 1 0 152 0.0 2.5	1									
Total Color	2	5	400 kV	RANCHI-SIPAT	2	228		1.8		
Temport FR NYBD SE ST Sec ST Sec Sec	ER-WR 10,7 6,7 4,0									
Imaginary Imag	2	7	220 kV	BUDHIPADAR-KORBA	2	100				
HYDE	2	Import/	/Export of ER (V	With SR)			ER-WK	10.7	6.7	4.0
3	2	1	HVDC	JEYPORE-GAZUWAKA B/B						
A	2 925 0 19.4 0.0 19.4	_				· · ·				
FR-SR 0,0 87.3	ER-SR 0.0 87.3 -87.3 2	4	400 kV	TALCHER-I/C	2	925	0	19.4	0.0	19.4
Imagent/Papert of ER (With NAE)	2	5	220 kV	BALIMELA-UPPER-SILERRU	1	1 1				
2	2						•			
3 200 kV ALPURDUAR-SALAKATI 2 0 109 0.0 1.3	2 0 109 0.0 1.3 1.3 1.3	_			_	v				
Import/Export of VER (With NR)	2 0 50 0.0 12.1 -12.1 -12.1						109	0.0	1.3	-1.3
HVDC BISWANATH CHARIAL-AGRA 2 0 501 0.0 12.1	NER-NR	Import/	Export of NED	(With NR)			ER-NER	0.0	7.8	-7.8
ImportExport of WR (With NR)	NER-NR				2	0				
1 HVDC CHAMPA-RURIKSHIETRA 2 0 1502 0.0 47.6	-	T 04/	/E and af WD (Wide ND			NER-NR	0.0	12.1	-12.1
A	- 445				2	0	1502	0.0	47.6	-47.6
4 765 kV WALIOR-AGRA 2 0 2825 0.0 51.6 5 765 kV PHAGE-GWALIOR 2 0 1076 0.0 39.4 6 765 kV JABALPUR-ORAI 2 0 1076 0.0 39.4 7 765 kV GWALIOR-ORAI 1 549 0 8.8 0.0 8 765 kV GWALIOR-ORAI 1 0 1487 0.0 31.9 9 765 kV GWALIOR-ORAI 1 0 1487 0.0 31.9 10 765 kV GWALIOR-ORAI 1 0 1487 0.0 31.9 11 12 14 15 14 15 14 15 14 16 14 12 14 15 15 15 15 15 15 15	2		HVDC	VINDHYACHAL B/B	-		0	9.0	0.0	9.0
S	2 0 1223 0.0 18.2 -18.2									
7 765 kV WALLOR-ORAL	1		765 kV	PHAGI-GWALIOR	2	0	1223	0.0	18.2	-18.2
8	1									
10	2				<u> </u>					
11 400 kV VINDHYACHAL-RIHAND 1 23 301 0.0 3.2	1 23 301 0.0 3.2 -3.2 1 979 0 22.8 0.0 22.8 2 0 458 0.0 5.8 -5.8 1 4 99 0.0 1.1 -1.1 1 1 0 0.2 0.3 -0.1 1 193 0 0.3 0.0 0.3 1 53 19 1.0 0.0 1.0 1 0 0 0.0 0.0 0.0 1 0 0 0.0 0.0 0.0 2 0 0 0.0 0.0 0.0 WR-NR 42.2 249.3 -207.2 - 0 522 0.0 12.2 -12.2 2 0 992 0.0 21.2 -12.2 2 0 992 0.0 21.2 -21.2 2 933 2352 0.0 24.1 -24.1 2 3310 2094 0.0 26.0 -26.0 2 2 889 0 8.3 0.0 8.3 2 0 0 0.0 0.0 0.0 1 1 0 48 0.9 0.0 0.0 1 0 48 0.9 0.0 0.0 1 0 48 0.9 0.0 0.9 WR-SR 9.2 83.6 74.4 INTERNATIONAL EXCHANGES Line Name						884		5.6	-5.6
12	1 979 0 22.8 0.0 5.8 5.8 5.8 1 1 4 4 99 0.0 5.8 5.8 5.8 1 1 4 4 99 0.0 5.8 5.8 5.8 1 1 1 4 4 99 0.0 5.8 5.8 5.8 1 1 1 1 1 1 1 1 1				-					
14 220 kV BHANPURA-RANPUR 1 4 99 0.0 1.1	1	12	400 kV	VINDHYACHAL -RIHAND	1	979	0	22.8	0.0	22.8
15 220 kV BHANPURA-MORAK 1	1									
17 220 kV MALANPURAURANYA 1 53 19 1.0 0.0 0.0 18 132 kV GWALIOR-SAWAL MADHOPUR 1 0 0 0.0 0.0 0.0 19 132 kV RAJGHAT-LALITPUR 2 0 0 0.0 0.0 0.0 19 132 kV RAJGHAT-LALITPUR 2 0 0 0.0 0.0 0.0 19 132 kV RAJGHAT-LALITPUR 2 0 0 0.0 0.0 0.0 19 132 kV RAJGHAT-LALITPUR 2 0 0 0.0 0.0 0.0 10 10 10 10 10 10 10	1 53 19 1.0 0.0 1.2 1.		220 kV		1	11	0	0.2	0.3	-0.1
18	1				1					
19 132 kV RAJGHAT-LALITPUR 2 0 0 0,0 0,0 0,0	WR-NR 42.2 249.3 -207.2				1	-				
Import/Export of WR (With SR)	- 0 522 0.0 12.2 -12.2	19	132 kV	RAJGHAT-LALITPUR	2	0				
2	2 0 992 0.0 21.2 -21.2	Import/	Export of WR (With SR)			WK-NK	42.2	249.3	-207.2
3 765 kV SOLAPUR-RAICHUR 2 933 2352 0.0 24.1	2 933 2352 0.0 24.1 -24.1 2 310 2094 0.0 26.0 -26.0 2 889 0 8.3 0.0 8.3 2 0 0 0 0.0 0.0 0.0 1 1 1 0 0.0 0.0 0.0 1 1 0 48 0.9 0.0 0.0 1 0 48 0.9 0.0 0.9 WR-SR 9.2 83.6 -74.4 INTERNATIONAL EXCHANGES				-			0.0	12.2	-12.2
4	2 310 2094 0.0 26.0 -26.0 2 889 0 8.3 0.0 8.3 2 0 0 0 0.0 0.0 0.0 1 1 1 0 0.0 0.0 0.0 1 0 48 0.9 0.0 0.9 WR-SR 9.2 83.6 -74.4 INTERNATIONAL EXCHANGES Line Name			DATE A DIT DITE A TIP	_		000			
Color	2 0 0 0.0 0.0 0.0 0.0 0.0 1 1 1 0 0.0		765 kV					0.0	21.2	-21.2
Total Tota	1		765 kV	SOLAPUR-RAICHUR WARDHA-NIZAMABAD	2 2	933 310	2352 2094	0.0 0.0 0.0	21.2 24.1 26.0	-21.2 -24.1 -26.0
State Region Line Name Max (MW) Min (MW) Avg (MW) Ener	WR-SR 9,2 83.6 -74.4	5	765 kV 400 kV	SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI	2 2 2	933 310 889	2352 2094 0	0.0 0.0 0.0 8.3	21.2 24.1 26.0 0.0	-21.2 -24.1 -26.0 8.3
State Region Line Name Max (MW) Min (MW) Avg (MW) Ener	INTERNATIONAL EXCHANGES Line Name	5 6 7	765 kV 400 kV 220 kV 220 kV	SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI	2 2 2 2	933 310 889 0	2352 2094 0 0	0.0 0.0 0.0 8.3 0.0 0.0	21.2 24.1 26.0 0.0 0.0	-21.2 -24.1 -26.0 8.3 0.0 0.0
State Region Line Name Max (MW) Min (MW) Avg (MW) Energy	Line Name Max (MW) Min (MW) Avg (MW) Energy Exchange (MU)	5 6 7	765 kV 400 kV 220 kV 220 kV	SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI	2 2 2 2	933 310 889 0	2352 2094 0 0 0 48	0.0 0.0 0.0 8.3 0.0 0.0	21.2 24.1 26.0 0.0 0.0 0.0 0.0	-21.2 -24.1 -26.0 8.3 0.0 0.0 0.9
A00kV MANGDECHHU-ALIPURDUAR 1&2 i.e. ALIPURDUAR RECEIPT (from 357 0 303 MANGDECHU HEP 4*180MW)	400kV MANGDECHHU-ALIPURDUAR 1&2 i.e. ALIPURDUAR RECEIPT (from	5 6 7	765 kV 400 kV 220 kV 220 kV	SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI	2 2 2 2 1 1	933 310 889 0 1	2352 2094 0 0 0 48 WR-SR	0.0 0.0 0.0 8.3 0.0 0.0	21.2 24.1 26.0 0.0 0.0 0.0 0.0	-21.2 -24.1 -26.0 8.3 0.0 0.0 0.9
ER i.e. ALIPURDUAR RECEIPT (from 357 0 303 MANGDECHU HEP 4*180MW)	i.e. ALIPURDUAR RECEIPT (from MANGDECHU HEP 4*180MW) 357 0 303 7.3 400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI 1,2,4 (& 220kV MUKHA-BIRPARA 1&2 (& 220kV MUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA 178 0 512 12.3 MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW) 178 0 153 3.7 RECEIPT (from CHUKHA HEP 4*84MW) 29 14 -23 -0.6 132kV-GEYLEGPHU - SALAKATI 29 14 -23 -0.6 132kV Motanga-Rangia 49 33 -42 -1.0 132kV-TANAKPUR(NH) - MAHENDRANAGAR(PG) 0 0 0 0.0 132kV-BIHAR - NEPAL -118 0 -14 -0.3 220kV-MUZAFFARPUR - DHALKEBAR DC -33 32 0 0.0	5 6 7 8	765 kV 400 kV 220 kV 220 kV 220 kV	SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	2 2 2 2 1 1 1 INTER	933 310 889 0 1 0	2352 2094 0 0 0 48 WR-SR	0.0 0.0 0.0 8.3 0.0 0.0 0.9 9.2	21.2 24.1 26.0 0.0 0.0 0.0 0.0 0.0 83.6	-21.2 -24.1 -26.0 8.3 0.0 0.0 0.9 -74.4 Energy Exchange
ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI 794 0 512 12.3 RECEIPT (from TALA HEP (6*170MW) 220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA 178 0 153 3.7 RECEIPT (from CHUKHA HEP 4*84MW) 132KV-GEYLEGPHU - SALAKATI 29 14 -23 -0.6 132kV Motanga-Rangia 49 33 -42 -1.0 132kV-TANAKPUR(NH) -	5 6 7 8	765 kV 400 kV 220 kV 220 kV 220 kV	SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	2 2 2 2 1 1 1 INTER	933 310 889 0 1 0 RNATIONAL EXCHA	2352 2094 0 0 0 48 WR-SR	0.0 0.0 0.0 8.3 0.0 0.0 0.9 9.2	21.2 24.1 26.0 0.0 0.0 0.0 0.0 0.0 83.6	-21.2 -24.1 -26.0 8.3 0.0 0.0 0.9 -74.4 Energy Exchange
ER MALBASE - BINAGURI 794 0 512	MALBASE - BINAGURI) i.e. BINAGURI 794 0 512 12.3 RECEIPT (from TALA HEP (6*170MW) 220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW) 178 0 153 3.7 RECEIPT (from CHUKHA HEP 4*84MW) 29 14 -23 -0.6 132KV-GEYLEGPHU - SALAKATI 29 14 -23 -0.6 132KV Motanga-Rangia 49 33 -42 -1.0 132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG) 0 0 0 0.0 132KV-BIHAR - NEPAL -118 0 -14 -0.3 220KV-MUZAFFARPUR - DHALKEBAR DC -33 32 0 0.0	5 6 7 8	765 kV 400 kV 220 kV 220 kV 220 kV	SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region	2 2 2 1 1 1 INTER Line 400kV MANGDECHE	933 310 889 0 1 0 RNATIONAL EXCHA Name HU-ALIPURDUAR 1&2 ECEIPT (from	2352 2094 0 0 0 48 WR-SR NGES Max (MW)	0.0 0.0 0.0 8.3 0.0 0.0 0.9 9.2	21.2 24.1 26.0 0.0 0.0 0.0 0.0 83.6	-21.2 -24.1 -26.0 8.3 0.0 0.0 0.9 -74.4 Energy Exchange
BHUTAN ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA 1.6. BIRPARA 1.78	5 6 7 8	765 kV 400 kV 220 kV 220 kV 220 kV	SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region	2 2 2 1 1 1 INTER Line 400kV MANGDECHE i.e. ALIPURDUAR REMANGDECHU HEP	933 310 889 0 1 0 RNATIONAL EXCHA Name HU-ALIPURDUAR 1&2 ECEIPT (from 4*180MW)	2352 2094 0 0 0 48 WR-SR NGES Max (MW)	0.0 0.0 0.0 8.3 0.0 0.0 0.9 9.2	21.2 24.1 26.0 0.0 0.0 0.0 0.0 83.6	-21.2 -24.1 -26.0 8.3 0.0 0.0 0.9 -74.4 Energy Exchange
BHUTAN ER MALBASE - BIRPARA 1.0 1.53 RECEIPT (from CHUKHA HEP 4*84MW)	MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW) 178 0 153 3.7 132KV-GEYLEGPHU - SALAKATI 29 14 -23 -0.6 132kV Motanga-Rangia 49 33 -42 -1.0 132kV-TANAKPUR(NH) - MAHENDRANAGAR(PG) 0 0 0 0.0 132kV-BIHAR - NEPAL -118 0 -14 -0.3 220kV-MUZAFFARPUR - DHALKEBAR DC -33 32 0 0.0	5 6 7 8	765 kV 400 kV 220 kV 220 kV 220 kV	SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER	2 2 2 1 1 1 INTER Line 400kV MANGDECHE i.e. ALIPURDUAR RE MANGDECHU HEP 4 400kV TALA-BINAGU MALBASE - BINAGU	933 310 889 0 1 0 ENATIONAL EXCHA Name HU-ALIPURDUAR 1&2 ECEIPT (from 4*180MW) URI 1,2,4 (& 400kV URI) i.e. BINAGURI	2352 2094 0 0 0 48 WR-SR NGES Max (MW)	0.0 0.0 0.0 8.3 0.0 0.9 9.2 Min (MW)	21.2 24.1 26.0 0.0 0.0 0.0 0.0 83.6 Avg (MW)	-21.2 -24.1 -26.0 8.3 0.0 0.0 0.9 -74.4 Energy Exchange (MU)
NER 132KV-GEYLEGPHU - SALAKATI 29 14 -23 NER 132kV Motanga-Rangia 49 33 -42 NR 132kV-TANAKPUR(NH) - MAHENDRANAGAR(PG) 0 0 0	132KV-GEYLEGPHU - SALAKATI 29 14 -23 -0.6 132kV Motanga-Rangia 49 33 -42 -1.0 132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG) 0 0 0 0.0 132KV-BIHAR - NEPAL -118 0 -14 -0.3 220KV-MUZAFFARPUR - DHALKEBAR DC -33 32 0 0.0	5 6 7 8	765 kV 400 kV 220 kV 220 kV 220 kV	SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER	2 2 2 1 1 1 INTER Line 400kV MANGDECHE i.e. ALIPURDUAR RE MANGDECHU HEP 4 400kV TALA-BINAGU MALBASE - BINAGU RECEIPT (from TAL	933 310 889 0 1 0 ENATIONAL EXCHA Name HU-ALIPURDUAR 1&2 ECEIPT (from 4*180MW) URI 1,2,4 (& 400kV URI) i.e. BINAGURI A HEP (6*170MW)	2352 2094 0 0 0 48 WR-SR NGES Max (MW)	0.0 0.0 0.0 8.3 0.0 0.9 9.2 Min (MW)	21.2 24.1 26.0 0.0 0.0 0.0 0.0 83.6 Avg (MW)	-21.2 -24.1 -26.0 8.3 0.0 0.0 0.9 -74.4 Energy Exchange (MU)
NER 132kV Motanga-Rangia 49 33 -42 NR 132kV-TANAKPUR(NH) - MAHENDRANAGAR(PG) 0 0 0	132kV Motanga-Rangia	5 6 7 8	765 kV 400 kV 220 kV 220 kV 220 kV	SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER	2 2 2 1 1 1 INTER Line 400kV MANGDECHE i.e. ALIPURDUAR RE MANGDECHU HEP 4 400kV TALA-BINAGU MALBASE - BINAGU RECEIPT (from TAL 220kV CHUKHA-BIR	933 310 889 0 1 0 ENATIONAL EXCHA Name HU-ALIPURDUAR 1&2 ECEIPT (from 4*180MW) URI 1,2,4 (& 400kV URI) i.e. BINAGURI A HEP (6*170MW) PARA 1&2 (& 220kV	2352 2094 0 0 0 48 WR-SR NGES Max (MW)	0.0 0.0 0.0 8.3 0.0 0.0 0.9 9.2 Min (MW)	21.2 24.1 26.0 0.0 0.0 0.0 0.0 83.6 Avg (MW)	-21.2 -24.1 -26.0 8.3 0.0 0.0 0.9 -74.4 Energy Exchange (MU) 7.3
NR 132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG) 0 0	132KV-TANAKPUR(NH) - 0	5 6 7 8	765 kV 400 kV 220 kV 220 kV 220 kV	SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER	2 2 2 1 1 1 INTER Line 400kV MANGDECHE i.e. ALIPURDUAR RE MANGDECHU HEP 4 400kV TALA-BINAGU MALBASE - BINAGU RECEIPT (from TAL) 220kV CHUKHA-BIR MALBASE - BIRPAR	933 310 889 0 1 1 0 ENATIONAL EXCHA Name HU-ALIPURDUAR 1&2 ECEIPT (from 4*180MW) URI 1,2,4 (& 400kV URI) i.e. BINAGURI A HEP (6*170MW) PARA 1&2 (& 220kV A) i.e. BIRPARA	2352 2094 0 0 0 48 WR-SR NGES Max (MW)	0.0 0.0 0.0 8.3 0.0 0.0 0.9 9.2 Min (MW)	21.2 24.1 26.0 0.0 0.0 0.0 0.0 83.6 Avg (MW)	-21.2 -24.1 -26.0 8.3 0.0 0.0 0.9 -74.4 Energy Exchange (MU) 7.3
NR 132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG) 0 0	132KV-TANAKPUR(NH) - 0	5 6 7 8	765 kV 400 kV 220 kV 220 kV 220 kV	SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER	2 2 2 1 1 1 INTER Line 400kV MANGDECHE i.e. ALIPURDUAR RE MANGDECHU HEP 4 400kV TALA-BINAGU MALBASE - BINAGU RECEIPT (from TAL 220kV CHUKHA-BIR MALBASE - BIRPAR RECEIPT (from CHU	933 310 889 0 1 1 0 ENATIONAL EXCHA Name HU-ALIPURDUAR 1&2 ECEIPT (from 4*180MW) URI 1,2,4 (& 400kV URI) i.e. BINAGURI A HEP (6*170MW) PARA 1&2 (& 220kV A) i.e. BIRPARA EKHA HEP 4*84MW)	2352 2094 0 0 0 48 WR-SR NGES Max (MW) 357	0.0 0.0 0.0 8.3 0.0 0.0 0.9 9.2 Min (MW)	21.2 24.1 26.0 0.0 0.0 0.0 0.0 83.6 Avg (MW)	-21.2 -24.1 -26.0 8.3 0.0 0.0 0.9 -74.4 Energy Exchange (MU) 7.3 12.3
NR MAHENDRANAGAR(PG) 0 0	MAHENDRANAGAR(PG) 0 0 0 0.0 132KV-BIHAR - NEPAL -118 0 -14 -0.3 220KV-MUZAFFARPUR - DHALKEBAR DC -33 32 0 0.0	5 6 7 8	765 kV 400 kV 220 kV 220 kV 220 kV	SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER	2 2 2 1 1 1 INTER Line 400kV MANGDECHE i.e. ALIPURDUAR RE MANGDECHU HEP 4 400kV TALA-BINAGU MALBASE - BINAGU RECEIPT (from TAL 220kV CHUKHA-BIR MALBASE - BIRPAR RECEIPT (from CHU	933 310 889 0 1 1 0 ENATIONAL EXCHA Name HU-ALIPURDUAR 1&2 ECEIPT (from 4*180MW) URI 1,2,4 (& 400kV URI) i.e. BINAGURI A HEP (6*170MW) PARA 1&2 (& 220kV A) i.e. BIRPARA EKHA HEP 4*84MW)	2352 2094 0 0 0 48 WR-SR NGES Max (MW) 357	0.0 0.0 0.0 8.3 0.0 0.0 0.9 9.2 Min (MW)	21.2 24.1 26.0 0.0 0.0 0.0 0.0 83.6 Avg (MW)	-21.2 -24.1 -26.0 8.3 0.0 0.0 0.9 -74.4 Energy Exchange (MU) 7.3 12.3
NR MAHENDRANAGAR(PG) 0 0	MAHENDRANAGAR(PG) 0 0 0 0.0 132KV-BIHAR - NEPAL -118 0 -14 -0.3 220KV-MUZAFFARPUR - DHALKEBAR DC -33 32 0 0.0	5 6 7 8	765 kV 400 kV 220 kV 220 kV 220 kV	SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER NER	2 2 2 1 1 1 INTER Line 400kV MANGDECHE i.e. ALIPURDUAR RE MANGDECHU HEP 4 400kV TALA-BINAGU MALBASE - BINAGU RECEIPT (from TAL 220kV CHUKHA-BIR MALBASE - BIRPAR RECEIPT (from CHU 132KV-GEYLEGPHU	933 310 889 0 1 1 0 ENATIONAL EXCHA Name HU-ALIPURDUAR 1&2 ECEIPT (from 4*180MW) URI 1,2,4 (& 400kV URI) i.e. BINAGURI A HEP (6*170MW) PARA 1&2 (& 220kV A) i.e. BIRPARA KHA HEP 4*84MW) J - SALAKATI	2352 2094 0 0 0 48 WR-SR NGES Max (MW) 357 794	0.0 0.0 0.0 8.3 0.0 0.0 0.9 9.2 Min (MW)	21.2 24.1 26.0 0.0 0.0 0.0 0.0 83.6 Avg (MW) 303 512 153	-21.2 -24.1 -26.0 8.3 0.0 0.0 0.9 -74.4 Energy Exchange (MU) 7.3 12.3 3.7
	132KV-BIHAR - NEPAL	5 6 7 8	765 kV 400 kV 220 kV 220 kV 220 kV	SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER NER	2 2 2 1 1 1 INTER Line 400kV MANGDECHE i.e. ALIPURDUAR RE MANGDECHU HEP 4 400kV TALA-BINAGU MALBASE - BINAGU RECEIPT (from TAL. 220kV CHUKHA-BIR MALBASE - BIRPAR RECEIPT (from CHU 132KV-GEYLEGPHU	933 310 889 0 1 0 ENATIONAL EXCHA Name HU-ALIPURDUAR 1&2 ECEIPT (from 4*180MW) URI 1,2,4 (& 400kV URI) i.e. BINAGURI A HEP (6*170MW) PARA 1&2 (& 220kV A) i.e. BIRPARA EKHA HEP 4*84MW) U- SALAKATI	2352 2094 0 0 0 48 WR-SR NGES Max (MW) 357 794	0.0 0.0 0.0 8.3 0.0 0.0 0.9 9.2 Min (MW)	21.2 24.1 26.0 0.0 0.0 0.0 0.0 83.6 Avg (MW) 303 512 153	-21.2 -24.1 -26.0 8.3 0.0 0.0 0.9 -74.4 Energy Exchange (MU) 7.3 12.3 3.7
NEPAL ER 132KV-BIHAR - NEPAL -118 0 -14	220KV-MUZAFFARPUR - DHALKEBAR DC -33 32 0 0.0	5 6 7 8	765 kV 400 kV 220 kV 220 kV 220 kV	SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER NER	2 2 2 1 1 1 1 INTER Line 400kV MANGDECHE i.e. ALIPURDUAR RE MANGDECHU HEP 4 400kV TALA-BINAGU MALBASE - BINAGU RECEIPT (from TAL 220kV CHUKHA-BIR MALBASE - BIRPAR RECEIPT (from CHU 132KV-GEYLEGPHU 132KV-GEYLEGPHU 132KV-TANAKPUR(1	933 310 889 0 1 1 0 ENATIONAL EXCHA Name HU-ALIPURDUAR 1&2 ECEIPT (from 4*180MW) URI 1,2,4 (& 400kV URI) i.e. BINAGURI A HEP (6*170MW) PARA 1&2 (& 220kV EA) i.e. BIRPARA EKHA HEP 4*84MW) USALAKATI J - SALAKATI ia	2352 2094 0 0 0 48 WR-SR NGES Max (MW) 357 794 178	0.0 0.0 0.0 8.3 0.0 0.9 9.2 Min (MW) 0	21.2 24.1 26.0 0.0 0.0 0.0 0.0 83.6 Avg (MW) 303 512 153 -23	-21.2 -24.1 -26.0 8.3 0.0 0.0 0.9 -74.4 Energy Exchange (MU) 7.3 12.3 3.7 -0.6
	DC -33 32 0 0.0	5 6 7 8	765 kV 400 kV 220 kV 220 kV 220 kV	SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER NER	2 2 2 1 1 1 1 INTER Line 400kV MANGDECHE i.e. ALIPURDUAR RE MANGDECHU HEP 4 400kV TALA-BINAGU MALBASE - BINAGU RECEIPT (from TAL 220kV CHUKHA-BIR MALBASE - BIRPAR RECEIPT (from CHU 132KV-GEYLEGPHU 132KV-GEYLEGPHU 132KV-TANAKPUR(1	933 310 889 0 1 1 0 ENATIONAL EXCHA Name HU-ALIPURDUAR 1&2 ECEIPT (from 4*180MW) URI 1,2,4 (& 400kV URI) i.e. BINAGURI A HEP (6*170MW) PARA 1&2 (& 220kV EA) i.e. BIRPARA EKHA HEP 4*84MW) USALAKATI J - SALAKATI ia	2352 2094 0 0 0 48 WR-SR NGES Max (MW) 357 794 178	0.0 0.0 0.0 8.3 0.0 0.9 9.2 Min (MW) 0	21.2 24.1 26.0 0.0 0.0 0.0 0.0 83.6 Avg (MW) 303 512 153 -23	-21.2 -24.1 -26.0 8.3 0.0 0.0 0.9 -74.4 Energy Exchange (MU) 7.3 12.3 3.7 -0.6
AMOVE MUZA EEA DRUB. DELLE MED DE	DC -33 32 0 0.0	5 6 7 8	765 kV 400 kV 220 kV 220 kV 220 kV State	SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER NER NER	2 2 2 1 1 1 1 INTER Line 400kV MANGDECHE i.e. ALIPURDUAR RE MANGDECHU HEP 4 400kV TALA-BINAGU MALBASE - BINAGU RECEIPT (from TAL 220kV CHUKHA-BIR MALBASE - BIRPAR RECEIPT (from CHU 132KV-GEYLEGPHU 132KV-GEYLEGPHU 132KV-TANAKPUR(MAHENDRANAGAR	933 310 889 0 1 1 0 ENATIONAL EXCHA Name IU-ALIPURDUAR 1&2 ECEIPT (from 4*180MW) URI 1,2,4 (& 400kV URI) i.e. BINAGURI A HEP (6*170MW) PARA 1&2 (& 220kV A) i.e. BIRPARA KHA HEP 4*84MW) U- SALAKATI ia	2352 2094 0 0 0 48 WR-SR NGES Max (MW) 357 794 178 29	0.0 0.0 0.0 8.3 0.0 0.9 9.2 Min (MW) 0	21.2 24.1 26.0 0.0 0.0 0.0 0.0 83.6 Avg (MW) 303 512 153 -23 -42	-21.2 -24.1 -26.0 8.3 0.0 0.0 0.9 -74.4 Energy Exchange (MU) 7.3 12.3 3.7 -0.6 -1.0
		5 6 7 8	765 kV 400 kV 220 kV 220 kV 220 kV State	SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER NER NER	2 2 2 1 1 1 1 INTER Line 400kV MANGDECHE i.e. ALIPURDUAR RE MANGDECHU HEP 400kV TALA-BINAGU MALBASE - BINAGU RECEIPT (from TAL 220kV CHUKHA-BIR MALBASE - BIRPAR RECEIPT (from CHU 132KV-GEYLEGPHU 132KV-GEYLEGPHU 132KV-TANAKPUR(I MAHENDRANAGAR	933 310 889 0 1 1 0 ENATIONAL EXCHA Name HU-ALIPURDUAR 1&2 ECEIPT (from 4*180MW) URI 1,2,4 (& 400kV URI) i.e. BINAGURI A HEP (6*170MW) PARA 1&2 (& 220kV A) i.e. BIRPARA EKHA HEP 4*84MW) U- SALAKATI ia NH) - ((PG)	2352 2094 0 0 0 48 WR-SR NGES Max (MW) 357 794 178 29	0.0 0.0 0.0 8.3 0.0 0.9 9.2 Min (MW) 0	21.2 24.1 26.0 0.0 0.0 0.0 0.0 83.6 Avg (MW) 303 512 153 -23 -42	-21.2 -24.1 -26.0 8.3 0.0 0.0 0.9 -74.4 Energy Exchange (MU) 7.3 12.3 3.7 -0.6 -1.0
	BHERAMARA HVDC(BANGLADESH) -947 -945 -946 -22.7	5 6 7 8	765 kV 400 kV 220 kV 220 kV 220 kV State	SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER NER NER NER ER	2 2 2 1 1 1 1 INTER Line 400kV MANGDECHE i.e. ALIPURDUAR RE MANGDECHU HEP 4 400kV TALA-BINAGU MALBASE - BINAGU RECEIPT (from TAL 220kV CHUKHA-BIR MALBASE - BIRPAR RECEIPT (from CHU 132KV-GEYLEGPHU 132KV-GEYLEGPHU 132KV-TANAKPUR(I MAHENDRANAGAR 132KV-BIHAR - NEP	933 310 889 0 1 1 0 ENATIONAL EXCHA Name HU-ALIPURDUAR 1&2 ECEIPT (from 4*180MW) URI 1,2,4 (& 400kV URI) i.e. BINAGURI A HEP (6*170MW) PARA 1&2 (& 220kV A) i.e. BIRPARA EKHA HEP 4*84MW) U- SALAKATI ia NH) - ((PG)	2352 2094 0 0 0 48 WR-SR NGES Max (MW) 357 794 178 29 49	0.0 0.0 0.0 8.3 0.0 0.9 9.2 Min (MW) 0 14 33	21.2 24.1 26.0 0.0 0.0 0.0 0.0 83.6 Avg (MW) 303 512 153 -23 -42 0 -14	-21.2 -24.1 -26.0 8.3 0.0 0.0 0.9 -74.4 Energy Exchange (MU) 7.3 12.3 3.7 -0.6 -1.0 0.0
ER BHERAMARA HVDC(BANGLADESH) -947 -945 -946		5 6 7 8	765 kV 400 kV 220 kV 220 kV 220 kV State	SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER NER NER NER ER	2 2 2 1 1 1 1 INTER Line 400kV MANGDECHE i.e. ALIPURDUAR RE MANGDECHU HEP 4 400kV TALA-BINAGU MALBASE - BINAGU RECEIPT (from TAL 220kV CHUKHA-BIR MALBASE - BIRPAR RECEIPT (from CHU 132KV-GEYLEGPHU 132KV-GEYLEGPHU 132KV-TANAKPUR(I MAHENDRANAGAR 132KV-BIHAR - NEP	933 310 889 0 1 1 0 ENATIONAL EXCHA Name HU-ALIPURDUAR 1&2 ECEIPT (from 4*180MW) URI 1,2,4 (& 400kV URI) i.e. BINAGURI A HEP (6*170MW) PARA 1&2 (& 220kV A) i.e. BIRPARA EKHA HEP 4*84MW) U- SALAKATI ia NH) - ((PG)	2352 2094 0 0 0 48 WR-SR NGES Max (MW) 357 794 178 29 49	0.0 0.0 0.0 8.3 0.0 0.9 9.2 Min (MW) 0 14 33	21.2 24.1 26.0 0.0 0.0 0.0 0.0 83.6 Avg (MW) 303 512 153 -23 -42 0 -14	-21.2 -24.1 -26.0 8.3 0.0 0.0 0.9 -74.4 Energy Exchange (MU) 7.3 12.3 3.7 -0.6 -1.0 0.0
132EV SUDA IMANI NACAD	132KV-SURAIMANI NACAD -	5 6 7 8	765 kV 400 kV 220 kV 220 kV 220 kV State	SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER NER NER NER ER ER	2 2 2 1 1 1 1 INTER Line 400kV MANGDECHE i.e. ALIPURDUAR RE MANGDECHU HEP 4 400kV TALA-BINAGU MALBASE - BINAGU RECEIPT (from TAL 220kV CHUKHA-BIR MALBASE - BIRPAR RECEIPT (from CHU 132KV-GEYLEGPHU 132KV-GEYLEGPHU 132KV-TANAKPUR(I MAHENDRANAGAR 132KV-BIHAR - NEP. 220KV-MUZAFFARP DC	933 310 889 0 1 1 0 ENATIONAL EXCHA Name HU-ALIPURDUAR 1&2 ECEIPT (from 4*180MW) URI 1,2,4 (& 400kV URI) i.e. BINAGURI A HEP (6*170MW) PARA 1&2 (& 220kV A) i.e. BIRPARA EKHA HEP 4*84MW) U- SALAKATI O- SALAKATI O- SALAKATI O- SALAKATI O- SALAKATI O- SALAKATI	2352 2094 0 0 0 48 WR-SR NGES Max (MW) 357 794 178 29 49 0 -118	0.0 0.0 0.0 8.3 0.0 0.9 9.2 Min (MW) 0 0 14 33	21.2 24.1 26.0 0.0 0.0 0.0 0.0 83.6 Avg (MW) 303 512 153 -23 -42 0 -14	-21.2 -24.1 -26.0 8.3 0.0 0.0 0.9 -74.4 Energy Exchange (MU) 7.3 12.3 3.7 -0.6 -1.0 0.0 -0.3
BANGLADESH NER COMILLA(BANGLADESH)-1 81 0 -70		5 6 7 8	765 kV 400 kV 220 kV 220 kV 220 kV State	SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER NER NER NER ER ER	2 2 2 1 1 1 1 INTER Line 400kV MANGDECHE i.e. ALIPURDUAR RE MANGDECHU HEP 4 400kV TALA-BINAGU MALBASE - BINAGU RECEIPT (from TAL 220kV CHUKHA-BIR MALBASE - BIRPAR RECEIPT (from CHU 132KV-GEYLEGPHU 132KV-GEYLEGPHU 132KV-TANAKPUR(I MAHENDRANAGAR 132KV-BIHAR - NEP. 220KV-MUZAFFARP DC BHERAMARA HVDC	933 310 889 0 1 1 0 ENATIONAL EXCHA Name HU-ALIPURDUAR 1&2 ECEIPT (from 4*180MW) URI 1,2,4 (& 400kV URI) i.e. BINAGURI A HEP (6*170MW) PARA 1&2 (& 220kV A) i.e. BIRPARA EKHA HEP 4*84MW) US - SALAKATI EAUR - DHALKEBAR C(BANGLADESH)	2352 2094 0 0 0 48 WR-SR NGES Max (MW) 357 794 178 29 49 0 -118	0.0 0.0 0.0 8.3 0.0 0.9 9.2 Min (MW) 0 0 14 33	21.2 24.1 26.0 0.0 0.0 0.0 0.0 83.6 Avg (MW) 303 512 153 -23 -42 0 -14	-21.2 -24.1 -26.0 8.3 0.0 0.0 0.9 -74.4 Energy Exchange (MU) 7.3 12.3 3.7 -0.6 -1.0 0.0 -0.3
		5 6 7 8 8 B	765 kV 400 kV 220 kV 220 kV 220 kV State	SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER NER NER NER NER ER ER	2 2 2 1 1 1 1 INTER Line 400kV MANGDECHE i.e. ALIPURDUAR RE MANGDECHU HEP 4 400kV TALA-BINAGU MALBASE - BINAGU RECEIPT (from TAL 220kV CHUKHA-BIR MALBASE - BIRPAR RECEIPT (from CHU 132KV-GEYLEGPHU 132KV-GEYLEGPHU 132KV-TANAKPUR(I MAHENDRANAGAR 132KV-BIHAR - NEP 220KV-MUZAFFARP DC BHERAMARA HVDC	933 310 889 0 1 1 0 ENATIONAL EXCHA Name HU-ALIPURDUAR 1&2 ECEIPT (from 4*180MW) URI 1,2,4 (& 400kV URI) i.e. BINAGURI A HEP (6*170MW) PARA 1&2 (& 220kV A) i.e. BIRPARA KHA HEP 4*84MW) J - SALAKATI EUR - DHALKEBAR C(BANGLADESH) NAGAR -	2352 2094 0 0 0 48 WR-SR NGES Max (MW) 357 794 178 29 49 0 -118	0.0 0.0 0.0 8.3 0.0 0.9 9.2 Min (MW) 0 0 14 33 0	21.2 24.1 26.0 0.0 0.0 0.0 0.0 83.6 Avg (MW) 303 512 153 -23 -42 0 -14 0 -946	-21.2 -24.1 -26.0 8.3 0.0 0.0 0.9 -74.4 Energy Exchange (MU) 7.3 12.3 3.7 -0.6 -1.0 0.0 -0.3
132KV-SURAJMANI NAGAR -	132KV-SURAIMANI NACAR -	5 6 7 8 8 B	765 kV 400 kV 220 kV 220 kV 220 kV State	SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER NER NER NER NER ER ER	2 2 2 1 1 1 1 INTER Line 400kV MANGDECHE i.e. ALIPURDUAR RE MANGDECHU HEP 4 400kV TALA-BINAGU MALBASE - BINAGU RECEIPT (from TAL 220kV CHUKHA-BIR MALBASE - BIRPAR RECEIPT (from CHU 132KV-GEYLEGPHU 132KV-GEYLEGPHU 132KV-TANAKPUR(I MAHENDRANAGAR 132KV-BIHAR - NEP 220KV-MUZAFFARP DC BHERAMARA HVDC 132KV-SURAJMANI COMILLA(BANGLA	933 310 889 0 1 1 0 ENATIONAL EXCHA Name HU-ALIPURDUAR 1&2 ECEIPT (from 4*180MW) URI 1,2,4 (& 400kV URI) i.e. BINAGURI A HEP (6*170MW) PARA 1&2 (& 220kV A) i.e. BIRPARA KHA HEP 4*84MW) J - SALAKATI EUR - DHALKEBAR C(BANGLADESH) NAGAR - DESH)-1	2352 2094 0 0 0 48 WR-SR NGES Max (MW) 357 794 178 29 49 0 -118	0.0 0.0 0.0 8.3 0.0 0.9 9.2 Min (MW) 0 0 14 33 0	21.2 24.1 26.0 0.0 0.0 0.0 0.0 83.6 Avg (MW) 303 512 153 -23 -42 0 -14 0 -946	-21.2 -24.1 -26.0 8.3 0.0 0.0 0.9 -74.4 Energy Exchange (MU) 7.3 12.3 3.7 -0.6 -1.0 0.0 -0.3
122EV CUDA IMANI NA CAD	132KV-SLIDA IMANI NACAD	5 6 7 8	765 kV 400 kV 220 kV 220 kV 220 kV State	SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI Region ER ER ER NER NER NER NER ER ER	2 2 2 1 1 1 1 INTER Line 400kV MANGDECHE i.e. ALIPURDUAR RE MANGDECHU HEP 4 400kV TALA-BINAGU MALBASE - BINAGU RECEIPT (from TAL 220kV CHUKHA-BIR MALBASE - BIRPAR RECEIPT (from CHU 132KV-GEYLEGPHU 132KV-GEYLEGPHU 132KV-TANAKPUR(I MAHENDRANAGAR 132KV-BIHAR - NEP 220KV-MUZAFFARP DC BHERAMARA HVDC 132KV-SURAJMANI COMILLA(BANGLA	933 310 889 0 1 1 0 ENATIONAL EXCHA Name HU-ALIPURDUAR 1&2 ECEIPT (from 4*180MW) URI 1,2,4 (& 400kV URI) i.e. BINAGURI A HEP (6*170MW) PARA 1&2 (& 220kV A) i.e. BIRPARA KHA HEP 4*84MW) J - SALAKATI EUR - DHALKEBAR C(BANGLADESH) NAGAR - DESH)-1	2352 2094 0 0 0 48 WR-SR NGES Max (MW) 357 794 178 29 49 0 -118	0.0 0.0 0.0 8.3 0.0 0.9 9.2 Min (MW) 0 0 14 33 0	21.2 24.1 26.0 0.0 0.0 0.0 0.0 83.6 Avg (MW) 303 512 153 -23 -42 0 -14 0 -946	-21.2 -24.1 -26.0 8.3 0.0 0.0 0.9 -74.4 Energy Exchange (MU) 7.3 12.3 3.7 -0.6 -1.0 0.0 -0.3