

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: 2nd Jan 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 01.01.2021.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 01–जनवरी -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 1st January 2021, 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: 02-Jan-2021 NR 52357 WR TOTAL SR ER NER Demand Met during Evening Peak hrs(MW) (at 19:00 hrs; from RLDCs) 37166 Peak Shortage (MW) 550 102 47 699 Energy Met (MU) Hydro Gen (MU) 1043 1209 890 364 43 3549 71 102 49 32 11 264 175 Wind Gen (MU) Solar Gen (MU)* 20 33.67 74 26.23 0.00 59981 4.44 146 12.25 178888 0.02 81.64 Energy Shortage (MU)
Maximum Demand Met During the Day (MW) (From NLDC SCADA)
Time Of Maximum Demand Met (From NLDC SCADA) 11.49 54771 0.00 0.31 17564 0.45 2402 47101 11:28 11:27 09:31 18:02 B. Frequency Profile (%) Region All India FVI < 49.7 49.7 - 49.8 49.8 - 49.9 < 49.9 49.9 - 50.05 > 50.05 19.26 0.033 0.00

		Max.Demand	Shortage during	Energy Met	Drawal	OD(+)/UD(-)	Max OD	Energy
Region	States	Met during the	maximum	(MU)	Schedule	(MU)	(MW)	Shortage
		day(MW)	Demand(MW)	(-/	(MU)	, , ,	,	(MU)
	Punjab	6516	0	124.3	63.7	-1.5	32	0.00
	Haryana	6270	0	127.8	92.3	0.8	264	0.00
	Rajasthan	14088	0	264.4	97.9	0.9	342	0.00
	Delhi	4918	1	77.0	65.7	-0.5	295	0.01
NR	UP	17642	0	313.6	103.7	-0.4	598	0.15
	Uttarakhand	2232	0	40.2	23.6	0.0	196	0.13
	HP	1859	0	33.2	28.0	-0.2	141	0.00
	J&K(UT) & Ladakh(UT)	2754	550	57.6	52.0	0.8	252	11.20
	Chandigarh	285	0	4.5	4.4	0.2	79	0.00
	Chhattisgarh	4067	0	85.3	37.0	-0.6	167	0.00
	Gujarat	16505	0	334.5	82.8	0.6	669	0.00
	MP	15425	0	295.4	167.0	-2.0	386	0.00
WR	Maharashtra	22156	0	442.4	160.6	-0.8	705	0.00
	Goa	490	0	10.3	9.8	0.0	47	0.00
	DD	269	0	6.1	5.9	0.2	30	0.00
	DNH	757	0	17.3	17.1	0.2	83	0.00
	AMNSIL	838	0	17.8	9.9	0.5	321	0.00
	Andhra Pradesh	8804	0	156.4	70.4	-1.6	384	0.00
	Telangana	11302	0	204.8	92.7	-1.3	1011	0.00
SR	Karnataka	11706	0	207.0	77.4	-1.4	540	0.00
	Kerala	3459	0	68.7	51.2	-0.8	206	0.00
	Tamil Nadu	11864	0	246.3	128.2	-3.4	616	0.00
	Puducherry	332	0	6.5	6.9	-0.4	23	0.00
	Bihar	4582	0	87.7	89.0	-2.9	368	0.00
	DVC	3033	0	65.5	-34.5	2.2	501	0.00
	Jharkhand	1625	102	26.9	22.6	-2.1	309	0.31
ER	Odisha	3769	0	68.4	2.1	-0.4	374	0.00
	West Bengal	5622	0	113.8	11.0	-0.1	869	0.00
	Sikkim	105	0	1.8	1.8	0.1	26	0.00
	Arunachal Pradesh	131	1	2.2	2.3	-0.2	42	0.01
	Assam	1325	20	24.0	18.2	0.9	102	0.40
	Manipur	215	1	3.0	3.4	-0.4	54	0.02
NER	Meghalaya	333	0	6.7	5.2	-0.1	53	0.00
	Mizoram	104	1	1.6	1.5	-0.3	16	0.01
	Nagaland	130	1	2.3	2.2	0.0	26	0.01
	Tripura	217	0	3.6	2.4	-0.8	14	0.00

D. Transnational Exchanges (MU) - Import(+ve)/Export(-ve)			
	Bhutan	Nepal	Bangladesh
Actual (MU)	6.1	-10.9	-13.1
Day Peak (MW)	318.0	-565.5	-826.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	281.3	-293.6	114.1	-103.2	1.4	0.0
Actual(MU)	279.7	-292.5	102.8	-99.8	-0.1	-9.9
O/D/U/D(MU)	-1.6	1.1	-11.3	3.5	-1.5	-9.9

F. Generation Outage(MW)

12153				
12153	9202	2310	509	29083
15671	12207	4892	11	44153
27823	21409	7202	520	73237
	15671	15671 12207	15671 12207 4892	15671 12207 4892 11

G. Sourcewise generation (MU)

or source mae generation (inc.)						
	NR	WR	SR	ER	NER	All India
Coal	529	1295	448	449	7	2729
Lignite	24	11	34	0	0	68
Hydro	102	49	71	32	11	264
Nuclear	23	21	42	0	0	86
Gas, Naptha & Diesel	24	33	13	0	29	99
RES (Wind, Solar, Biomass & Others)	83	108	194	4	0	390
Total	785	1517	801	485	47	3635
Share of RES in total generation (%)	10.60	7.13	24.19	0.92	0.04	10.72
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation(%)	26.52	11.75	38 21	7.52	22.48	20.35

H. All India Demand Diversity Factor

Based on Re	gional .	Max.	Dema	and	5	1.01	16
Based on Sta	ite Max	d Den	nands	5		1.03	38
		_		-		_	_

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: 02-Jan-2021

10 10 10 10 10 10 10 10							Date of Reporting:	02-Jan-2021	
	Sl Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MII)		
1 STOCK GATERING AL-OFFICE 2 8 4 0.6 4			110. or Circuit	Max Import (MTV)	max Export (mm)	Import (MC)	Export (MC)	. ()	
2									
2 0.00 0.0			2						
1			-						
\$ 0.000 0.00			2						
			1						
1			1						
			1						
9			1		133				
1	8 400 kV	MUZAFFARPUR-GORAKHPUR	2	0	744	0.0	8.0	-8.0	
10		PATNA-BALIA	4	0		0.0			
11	10 400 kV	BIHARSHARIFF-BALIA	2	0	532	0.0	5.8	-5.8	
13			2						
13 2-94			2	25			2.1		
14 12 12 12 12 12 12 12			î						
15 15 15 15 15 15 15 15			î						
19 12 12 12 12 12 12 12			î						
12 12 12 12 12 12 12 10 10			î						
REAL 1.1 77.6 75.2 7		KARMANASA-CHANDAII I	1						
THE PROPERTY OF THE TWIN THE	17 132 RV	RARMANADA-CHANDACEI		ı v					
1	Import/Eyport of FR (With WD)			DR . IR	1.1	77.0	-/0.3	
2 70 15 15 15 15 15 15 15 1				007	24	10.0		12.0	
1									
1	2 765 kV	NEW RANCHI-DHARAMJAIGARH	2	651	380	6.3	0.0	6.3	
1	3 765 kV	JHARSUGUDA-DURG	2	59	233	0.0	1.5	-1.5	
6									
1									
7 20 10 10 10 10 10 10 10	5 400 kV	RANCHI-SIPAT	2	240	140	2.3	0.0	2.3	
7 20 10 10 10 10 10 10 10	6 220 kV	BUDHIPADAR-RAIGARH	1	0	138	0.0	2.0	-2.0	
	. 220 KY	DODAHI ADAR-NORDA		1 01					
1 NUPC DYDERGEGAZUWAKABER 2 0 540 0.0 10.3 -1.03 -1.03 -1.05 -	I	Wat CD)			ER-WR	21.0	5.1	15.9	
1 NEW SACKELANDERSHAM 2 0 1637 0.0 34.4 34.4 34.5				1 6	# / ·	•	10.5	40.0	
1									
1									
S 2014 BALBERA-APPERSITERED 1 1 0 0.0									
The component of Ex (Wish NE)		TALCHER-I/C	2	362					
The component of Ex (Wish NE)	5 220 kV	BALIMELA-UPPER-SILERRU	1	1					
					ER-SR				
2	Import/Export of ER (With NER)							
2 490 AV ALPFERDAR SONG AIGANN 2 497 0 6.0 0.0 6.0		BINAGURI-BONGAIGAON	2	257	00	3.4	0.0	3.4	
1 1900 10 10 10 10 10 10	2 400 kV		2		0				
Indeptilement of NER (Wish NR) 1									
BINDAM SINGAM 10.6 0.0 10.6	Import/Export of NER	(With NR)				A-VI-U		*J#J	
INDEPTITE TWO WINDS 10.6 0.0 10.6			1	472	Δ	10.4	0.0	10.6	
	. 111100	DIO TARATH CHARIALPAURA		7/4	NER-ND				
HYDC	Import/Export of WD	(With NR)			111211-111	10.0	U.U	10.0	
A HVDC NINDPACHALE B - 190 56 2.0 0.7 1.3			1	Δ.	1/25	0.0	44.2	44.2	
A HVDC MINDREAMORINDERGARE 2 0 1927 0.0 42.4 4.24 4.76.5 W (WALDRA-GRA 2 0 2661 0.0 50.8 5.50.8 5. 1965 HIGH (GWALDRA 2 0 140.9 0.0 50.8 5.50.8 6. 1965 HIGH (GWALDRA 2 0 140.9 0.0 50.8 5.50.8 7. 1965 HIGH (GWALDRA 1 1 69.6 0 123.3 0.0 123.3 8. 766 W WALDREAM 1 1 69.6 0 123.3 0.0 123.3 9. 766 W CWALDREAM 1 0 1474 0.0 30.0 30.0 30.0 9. 766 W CWALDREAM 1 0 1474 0.0 30.0 30.0 30.0 10. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10. 11. 10. 1. 1. 1. 1. 1. 1									
1 76 N					50				
S			2						
0			2						
7. 0.56 kV GWALIORORIAL 1 0.96 0 12.3 0.0 12.3 0.0 3.00	5 765 kV	PHAGI-GWALIOR							
8 76 \$V \$ATPA-ORAH 1 0 1474 0.0 30.0 3.00 1.60 1		JABALPUR-ORAI	2	0	1149	0.0	39.0	-39.0	
9 76 SEV CHITOGGARH-BANASKANTHA 2 0 1203 0.0 16.0 1-16.0		GWALIOR-ORAI	1	696	0	12.3	0.0	12.3	
9	8 765 kV	SATNA-ORAI	1	0	1474	0.0	30.0	-30.0	
10 400 kV ZERDA-KANKROLI 1 87 165 0.0 1.3 -1.3 -1.3 -1.4 1.5 400 kV ZERDA-KANKROLI 1 87 388 0.0 4.2 -4	9 765 kV	CHITORGARH-BANASKANTHA	2	0	1203	0.0	16.0	-16.0	
1 400 kV ZERDA BHINMAL		ZERDA-KANKROLI	1						
12 449 kV VINDIYACHIA-BIRIAND 1 985 0 22.6 0.0 22.6 13 449 kV RAPP-SHUZALIPUR 2 1 527 0.0 5.7 5.57 14 229 kV BHANPURA-RANPUR 1 0 185 0.0 2.7 2.27 2.27 14 120 kV BHANPURA-RANPUR 1 0 185 0.0 0.0 1.4 1.4 1.4 1.6 1.6 220 kV BHANPURA-RANPUR 1 1.5 0 0.0 0.0 0.0 0.6 1.4			i						
14 229 kV BANPERARANPUR 1 0 185 0.0 2.7 2.7 2.7 15 229 kV BHANPURARANPUR 1 0 185 0.0 0.0 1.4 1.14 16 229 kV MERICANOLARIAVA 1 125 0 0.0 0.0 0.0 18 133 kV (WALTOR SANVALYAN 1 125 0 0 0.0 0.0 0.0 18 133 kV (WALTOR SANVALYAN 1 125 0 0 0.0 0.0 0.0 19 132 kV RAIGHITEUR 2 0 0 0 0.0 0.0 0.0 10 132 kV RAIGHITEUR 2 0 0 0 0.0 0.0 0.0 10 132 kV RAIGHITEUR 2 0 0 0 0.0 0.0 0.0 10 132 kV RAIGHITEUR 2 0 0 0 0.0 0.0 0.0 10 132 kV RAIGHITEUR 2 0 0 0 0.0 0.0 0.0 10 10 10 10 10 0 0 0 0		VINDHYACHAL "RIHAND	i						
14 220 kV BHANPURA-RANPUR 1 0 18S 0,0 2,7 2-2,7 15 220 kV BHANPURA-RANPUR 1 0 30 0,0 1.4 -1.			,						
15 220 kV BHANPURA-MORAK 1 0 30 0.0 1.4 -1.4 6 220 kV MEHGANO-AURAIYA 1 125 0 0.6 0.0 0.6 7 220 kV MEHGANO-AURAIYA 1 71 8 1.7 0.0 1.7 8 132 kV KWALIORASWAM MADIPUR 1 0 0 0 0.0 0.0 0.0 9 132 kV KWALIORASWAM MADIPUR 2 0 0 0 0.0 0.0 0.0 19 132 kV KWALIORASWAM MADIPUR 2 0 0 0 0.0 0.0 0.0 19 132 kV KWALIORASWAM MADIPUR 2 0 0 0 0.0 0.0 0.0 10 132 kV KWALIORASWAM MADIPUR 2 0 0 0 0.0 6.5 -5.5 1 18YDC BHADRAWATER - 787 1009 0.0 6.5 -5.5 2 18YDC RAIGARH-PIGALUR 2 0 995 0.0 8.9 -8.9 3 765 kV WARDHA-MEPIGALUR 2 1000 2133 0.0 22.0 -22.0 -22.0 4 765 kV WARDHA-MIRAMARAD 2 0 2263 0.0 36.7 -36.7 5 400 kV KOLHAPUR-KUDGI 2 1607 0 21.5 0.0 21.5 6 220 kV KOLHAPUR-KUDGI 2 0 0 0 0.0 0.0 0.0 7 220 kV KOLHAPUR-KUDGI 2 0 0 0 0.0 0.0 0.0 8 220 kV KOLHAPUR-KUDGI 1 0 0 0.0 0.0 0.0 8 220 kV KOLHAPUR-KUDGI 1 0 0 0.0 0.0 0.0 8 220 kV KOLHAPUR-KUDGI 1 0 0 0 0.0 0.0 8 220 kV KOLHAPUR-KUDGI 1 0 0 0 0.0 0.0 8 220 kV KOLHAPUR-KUDGI 1 0 0 0 0 0.0 8 220 kV KOLHAPUR-KUDGI 1 0 0 0 0 0 8 220 kV KOLHAPUR-KUDGI 1 0 0 0 0 0 8 220 kV KOLHAPUR-KUDGI 1 0 0 0 0 0 8 220 kV KOLHAPUR-KUDGI 1 0 0 0 0 0 8 220 kV KOLHAPUR-KUDGI 1 0 0 0 0 0 8 220 kV KOLHAPUR-KUDGI 1 0 0 0 0 0 8 220 kV KOLHAPUR-KUDGI 1 0 0 0 0 0 8 220 kV KOLHAPUR-KUDGI 1 0 0 0 0 0 0 8 220 kV KOLHAPUR-KUDGI 1 0 0 0 0 0 0 8 220 kV KOLHAPUR-KUDGI 1 0 0 0 0 0 0 8 220 kV KOLHAPUR-KUDGI 1 0 0 0 0 0 0 0 8 220 kV KOLHAPUR-KUDGI 1 0 0 0 0 0 0 0 0 0									
16 220 kV MEHGAON-AURAITA									
17 220 KV MALANPUR-AURAIYA 1 71 8 1.7 0.0 1.7 18 132 KV GWALIORSWAM MADIPUR 1 0 0 0.0 0.0 0.0 19 132 KV RAJGHAT-LALITPUR 2 0 0 0.0 0.0 0.0 0.0 19 132 KV RAJGHAT-LALITPUR 2 0 0 0.0 0.0 0.0 0.0 19 132 KV RAJGHAT-LALITPUR 2 0 0 0.0 0.0 0.0 0.0 19 132 KV RAJGHAT-LALITPUR 2 0 0 0.0 0.0 0.0 0.0 19 132 KV RAJGHAT-LALITPUR 2 0 0 0.0 0.0 0.5 1 INVO BRADRAWATLER - 787 1009 0.0 6.5 -5.5 -5.5 2 INVO RAJGAH-PUGALUR 2 0 095 0.0 8.9 8.9 3 765 KV SOLAPUR-RAJGHUR 2 1000 2133 0.0 22.20 -22.0 -22.0 4 765 KV WARDHA-MIZAMMARAD 2 0 2263 0.0 36.7 -36.7 -36.7 5 400 KV KOLHAPUR-RUDGI 2 1607 0 21.5 0.0 21.5 0.0 21.5 6 220 KV KOLHAPUR-RUDGI 2 0 0 0 0.0 0.0 0.0 7 220 KV KOLHAPUR-RUDGI 2 0 0 0 0.0 0.0 0.0 8 220 KV KOLHAPUR-RUDGI 1 0 0 0 0.0 0.0 0.0 8 220 KV KOLHAPUR-RUDGI 1 0 0 0 0.0 0.0 0.0 8 220 KV KOLHAPUR-RUDGI 1 0 0 0 0.0 0.0 0.0 8 220 KV KOLHAPUR-RUDGI 1 0 0 0 0 0.0 0.0 8 220 KV KOLHAPUR-RUDGI 1 0 0 0 0 0 0.0 8 220 KV KOLHAPUR-RUDGI 1 0 0 0 0 0 0 0.0 8 220 KV KOLHAPUR-RUDGI 1 0 0 0 0 0 0 0 8 220 KV KOLHAPUR-RUDGI 1 0 0 0 0 0 0 0 8 220 KV KOLHAPUR-RUDGI 1 0 0 0 0 0 0 0 0 8 220 KV KOLHAPUR-RUDGI 1 0 0 0 0 0 0 0 0 0								-1.4	
18 132 kV (MALIOR-SAWAI MADHOPUR 1 0 0 0.0 0.0 0.0 0.0 9 132 kV RAJCHAT-LAITPUR 2 0 0 0.0 0.0 0.0 0.0 19 132 kV RAJCHAT-LAITPUR 2 0 0 0.0 0.0 0.0 10 10 10 10 10 0.0 0.0 0.0 0.0 10 10 10 10 10 0.0 0.0 0.0 0.0 10 10 10 10 10 0.0 0.0 0.0 10 10 10 10 10 0.0 0.0 0.0 10 10 10 10 0.0 0.0 0.0 10 10 10 10 0.0 0.0 0.0 10 10 10 10 0.0 0.0 0.0 10 10 10 0.0 0.0 10 10 10 0.0 0.0 0.0 10 10 10 0.0 0.0 0.0 10 10 10 0.0 0.0 0.0 10 10 10 0.0 0.0 0.0 10 10 10 0.0 0.0 0.0 10 10 10 0.0 0.0 0.0 10 10 10 0.0 0.0 0.0 10 10 10 0.0 0.0 0.0 10 10 10 0.0 0.0 0.0 10 10 10 0.0 0.0 0.0 10 10 10 0.0 0.0 0.0 10 10 10 0.0 0.0 0.0 10 10 10 0.0 0.0 0.0 10 10 10 0.0 0.0 0.0 10 10 10 0.0 0.0 10 10 10 0.0 0.0 10 10 10 0.0 0.0 10 10 10 0.0 0.0 10 10 10 0.0 0.0 10 10 10 0.0 0.0 10 10 10 0.0 0.0 10 10 10 0.0 0.0 10 10 10 0.0 0.0 10 10 10 0.0 0.0 10 10 10								1.7	
19 132 kV RAIGHAT-LALITPUR 2 0 0 0.0 0.0 0.0 0.0		MALANPUK-AUKAIYA							
DIRPOTES TOTAL T									
ImportExport of WR (With SR)	19 132 kV	RAJGHAT-LALITPUR	2						
1 HYDC BADGRAWATI BB - 787 1009 0.0 6.5 6.5 2 HYDC RAIGGRIF-UCALUR 2 0 995 0.0 8.9 8.9 3 765 kV SOLAPUR-RAICHUR 2 1000 2133 0.0 32.2 32.2 4 765 kV WARDHANIZAMABAD 2 0 0 2263 0.0 36.7 -36.7 5 400 kV WARDHANIZAMABAD 2 1607 0 21.5 0.0 0.0 6 220 kV WARDHANIZAMABAD 1 1 0 0.0 0.0 0.0 7 220 kV KOLHAPUR-CHIKODI 2 0 0 0 0.0 0.0 0.0 8 220 kV KOLHAPUR-CHIKODI 1 0 40 0.0 0.0 0.0 8 220 kV XELDEM-AMBEWADI 1 1 0 0.0 0.0 0.0 9 7 220 kV XELDEM-AMBEWADI 1 1 0 0.0 0.0 0.0 8 220 kV XELDEM-AMBEWADI 1 1 0 0.0 0.0 0.0 9 8 220 kV XELDEM-MBEWADI 1 0 40 0.0 0.0 0.0 10 10 10 10 10 10 10		THE CO.			WR-NR	39.2	263.4	-224.2	
A		(With SR)							
3 765 kV SOLAPUR-RAICHUR 2 1000 2133 0.0 22.0 22.0 2.2.0			-						
4 765 kV WARDHA-NIZAMARAD 2 0 2263 0.0 36.7 -36.7 5 340 kV KOLHAPUR-KUDGI 2 1607 0 21.5 0.0 22.15 6 220 kV KOLHAPUR-KUDGI 2 0 0 0.0 0.0 0.0 0.0 7 220 kV PONDA-AMBEWADI 1 1 0 0.0 0.0 0.0 0.0 8 220 kV PONDA-AMBEWADI 1 1 0 0.0 0.0 0.0 0.0 8 220 kV PONDA-AMBEWADI 1 0 40 0.7 0.0 0.0 0.0 9 3220 kV PONDA-AMBEWADI 1 1 0 0.0 0.0 0.0 0.0 9 40 0.7 0.0 0.0 0.7 10 40 0.7 0.0 0.0 0.7 10 40 0.7 0.0 0.0 0.7 10 40 0.7 0.0 0.0 10 40 0.7 0.0 0.0 0.7 10 40 0.7 0.0 0.0 10 51.8 10 10 10 10 10 11 10 10			2						
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S 400 kV KOLHAPUR-KUIDGI 2 1607 0 21.5 0.0 21.5		WARDHA-NIZAMABAD	2				36.7		
Collaptic Chiral Collaptic Chiral Collaptic Chiral Chira	5 400 kV	KOLHAPUR-KUDGI	2	1607	0	21.5		21.5	
7 220 kV PONDA-AMBEWADI		KOLHAPUR-CHIKODI	2						
S 220 kV XELDEM-AMBEWADI 1 0 40 0.7 0.0 0.7 WR-SR 22.2 74.0 5-18 STATE			1						
State Region Line Name Max (MW) Min (MW) Avg (MW) Energy Exchange			1	0	40				
State Region Line Name Max (MW) Min (MW) Avg (MW) Energy Exchange (MID					WR-SR				
State Region Line Name Max (MW) Min (MW) Avg (MW) Energy Exchange (MU)			TAPTED	NATIONAL EVOUS					
Region		1						Fnergy Evolor -	
BHUTAN ER ALPURDUAR RECEIPT (from 125 122 125 3.1	State	Region	Line	Name	Max (MW)	Min (MW)	Avg (MW)	Life gy Exchange	
ER		•			,		J	(MU)	
MANGDECHU HEP 4*180MW MORY TALA-BINAGURI 1.24 (6*400K) MALBASE - BINAGURI 1.25 (1.24 0K) MALBASE - BINAGURI 1.24 (1.24 0K) MALBASE -	I	pro-	I A ALIDEDDIAD DE	CEIDT (from	107	100	107	**	
BHUTAN ER MALBASE, BINAGURI 12,4 (& 4006V 140 140 0 127 3.1	I	ER			125	122	125	5.1	
ER	I		MANGDECHU HEP 4	*18UMW)			-		
RECEIPT (from TALA HEP (6*170MW) 22004 2	I		MAI DAGE CONTRACT	DD 1 a DD 1 CYDY	440				
BHUTAN ER	I	ER	MALBASE - BINAGU	KI) LE. BINAGURI	140	0	127	3.1	
BHUTAN ER MALBASI- BIRPARA A COMBLAGE SHP ARA RECEIPT (from CHUKHA HEP 4*84MW) NER 132KV-GEYLEGPHU - SALAKATI 24 7 13 0.3 NER 132KV-GEYLEGPHU - SALAKATI 24 7 13 0.3 NER 132KV-TANAKPUR(NI) -	I	<u> </u>	RECEIPT (from TALA	PARA 18-2 (8- 22013)					
NER 132KV-GEYLEGPHU - SALAKATI 24 7 13 0.3	DHIMAN	pro-						6.0	
NER 132KV-GEYLEGPHU-SALAKATI 24 7 13 0.3 NER 132kV Motanga-Rangia 12 0 -1 0.0 NER 132kV Motanga-Rangia 12 0 -1 0.0 NER 132KV-TANAKPUR(NH)-MAHENDRANAGAR(PG) -61 0 -55 -1.3 ER 400KV-MUZAFFARPUR-DHALKEBAR DC -244 -185 -226 -5.4 NEPAL ER 132KV-BIHAR-NEPAL -261 -86 -175 -4.2 ER BHERAMARA HYDC(BANGLADESH) -736 -349 -471 -11.3 BANGLADESH NER 132KV-SURAJMANI NAGAR- 45 0 -37 -0.9 132KV-SURAJMANI NAGAR- 45 0 -37 -0.9	BHUTAN	ER			0	0	0	0.0	
NER 132kV Motanga-Rangia 12 0 -1 0.0	I		RECEIPT (from CHUI	NIIA HEP 4*84MW)			-		
NER 132kV Motanga-Rangia 12 0 -1 0.0	1	1	132KV-CEVI ECDIII	- SALAKATI			12	0.2	
NR 132KV-TANAKPUR(NH) - 61 0 -55 -1.3 ER 460KV-MUZAFFARPUR - DHALKEBAR DC -244 -185 -226 -5.4 NEPAL ER 132KV-BIHAR - NEPAL -261 -86 -175 -4.2 ER BHERAMARA HVDC(BANGLADESH) -736 -349 -471 -11.3 BANGLADESH NER 132KV-SURAJMANI NAGAR - 45 0 -37 -0.9		NED	LEGITOUR LEGITATION	- WALKER ALL	24		13	4.3	
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NR MAHENDRANAGAR(PG) -61 0 -55 -1.3 ER 400KV-MUZAFFARPUR - DHALKEBAR DC -244 -185 -226 -5.4 NEPAL ER 132KV-BIHAR - NEPAL -261 -86 -175 -4.2 ER BHERAMARA HYDC(BANGLADESH) -736 -349 -471 -11.3 BANGLADESH NER 132KV-SURAJMANI NAGAR - 0 132KV-SURAJMANI			132kV Motongo Donoi					6.0	
NR MAHENDRANAGAR(PG) -61 0 -55 -1.3 ER 400KV-MUZAFFARPUR - DHALKEBAR DC -244 -185 -226 -5.4 NEPAL ER 132KV-BIHAR - NEPAL -261 -86 -175 -4.2 ER BHERAMARA HYDC(BANGLADESH) -736 -349 -471 -11.3 BANGLADESH NER 132KV-SURAJMANI NAGAR - 0 132KV-SURAJMANI			132kV Motanga-Rangi				-1	0.0	
ER				a			-1	0.0	
NEPAL ER 132KV-BIHAR - NEPAL -261 -86 -175 -4.2 ER BHERAMARA HVDC(BANGLADESH) -736 -349 -471 -11.3 BANGLADESH NER 132KV-SURAJMANI NAGAR - 45 0 -37 -0.9 132KV-SURAJMANI NAGAR - 45 0 -37 -0.9		NER	132KV-TANAKPUR(N	a (H) -	12	0			
NEPAL ER 132KV-BIHAR - NEPAL -261 -86 -175 -4.2 ER BHERAMARA HVDC(BANGLADESH) -736 -349 -471 -11.3 BANGLADESH NER 132KV-SURAJMANI NAGAR - 45 0 -37 -0.9 132KV-SURAJMANI NAGAR - 45 0 -37 -0.9		NER	132KV-TANAKPUR(N	a (H) -	12	0			
NEPAL ER 132KV-BIHAR - NEPAL -261 -86 -175 -4.2 ER BHERAMARA HVDC(BANGLADESH) -736 -349 -471 -11.3 BANGLADESH NER 132KV-SURAJMANI NAGAR - 45 0 -37 -0.9 132KV-SURAJMANI NAGAR - 45 0 -37 -0.9		NER	132KV-TANAKPUR(N	a (H) -	12	0			
ER BHERAMARA HVDC(BANGLADESH) .736 .349 .471 .11.3 BANGLADESH NER 132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1 .45 0 .37 .4.9 132KV-SURAJMANI NAGAR45 0 .37 .40.9		NER NR	132KV-TANAKPUR(N MAHENDRANAGAR(a iH) - PG)	-61	0	-55	-1.3	
ER BHERAMARA HVDC(BANGLADESH) .736 .349 .471 .11.3 BANGLADESH NER 132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1 .45 0 .37 .4.9 132KV-SURAJMANI NAGAR45 0 .37 .40.9		NER NR	132KV-TANAKPUR(N MAHENDRANAGAR(a iH) - PG)	-61	0	-55	-1.3	
ER BHERAMARA HVDC(BANGLADESH) .736 .349 .471 .11.3 BANGLADESH NER 132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1 .45 0 .37 .4.9 132KV-SURAJMANI NAGAR45 0 .37 .40.9		NER NR	132KV-TANAKPUR(N MAHENDRANAGAR(a iH) - PG)	-61	0	-55	-1.3	
BANGLADESH NER 132KV-SURAJMANI NAGAR - 45 0 -37 -0.9 132KV-SURAJMANI NAGAR - 45 0 -37 -0.9	NEPAL.	NER NR ER	132KV-TANAKPUR(N MAHENDRANAGAR(400KV-MUZAFFARP	a IH) - PG) UR - DHALKEBAR DC	-61 -244	0	-55 -226	-1.3 -5.4	
BANGLADESH NER 132KV-SURAIMANI NAGAR - 45 0 -37 -0.9 132KV-SURAIMANI NAGAR - 45 0 -37 -0.9	NEPAL	NER NR ER	132KV-TANAKPUR(N MAHENDRANAGAR(400KV-MUZAFFARP	a IH) - PG) UR - DHALKEBAR DC	-61 -244	0	-55 -226	-1.3 -5.4	
BANGLADESH NER 132KV-SURAIMANI NAGAR - 45 0 -37 -0.9 132KV-SURAIMANI NAGAR - 45 0 -37 -0.9	NEPAL	NER NR ER	132KV-TANAKPUR(N MAHENDRANAGAR(400KV-MUZAFFARP	a IH) - PG) UR - DHALKEBAR DC	-61 -244	0	-55 -226	-1.3 -5.4	
BANGLADESH NER COMILLA(BANGLADESH)-1 45 0 -37 -0.9 132KV-SURAJMANI NAGAR - 45 0 37 -0.9	NEPAL	NER NR ER	132KV-TANAKPUR(N MAHENDRANAGAR() 400KV-MUZAFFARP 132KV-BIHAR - NEP/	a iH) - PG) UR - DHALKEBAR DC	-61 -244 -261	0 0 -185	-55 -226 -175	-1.3 -5.4 -4.2	
BANGLADESH NER COMILLA(BANGLADESH)-1 45 0 -37 -0.9 132KV-SURAJMANI NAGAR - 45 0 37 -0.9	NEPAL	NER NR ER	132KV-TANAKPUR(N MAHENDRANAGAR() 400KV-MUZAFFARP 132KV-BIHAR - NEP/	a iH) - PG) UR - DHALKEBAR DC	-61 -244 -261	0 0 -185	-55 -226 -175	-1.3 -5.4 -4.2	
132KV-SURAJMANI NAGAR -	NEPAL	NER NR ER	132KV-TANAKPUR(MAHENDRANAGAR) 400KV-MUZAFFARP 132KV-BIHAR - NEP/ BHERAMARA HVDC	a iH) - PG) UR - DHALKEBAR DC LL (BANGLADESH)	-61 -244 -261	0 0 -185	-55 -226 -175	-1.3 -5.4 -4.2	
		NER NR ER ER ER	132KV-TANAKPUR(N MAHENDRANAGAR() 400KV-MUZAFFARP 132KV-BIHAR - NEP/ BHERAMARA HVDC 132KV-SURAJMANI 1	a HI) - PG) UR - DHALKEBAR DC ML (BANGLADESH) NAGAR -	-61 -244 -261 -736	0 0 -185 -86 -349	-55 -226 -175	-1.3 -5.4 -4.2 -11.3	
		NER NR ER ER ER	132KV-TANAKPUR(N MAHENDRANAGAR() 400KV-MUZAFFARP 132KV-BIHAR - NEP/ BHERAMARA HVDC 132KV-SURAJMANI 1	a HI) - PG) UR - DHALKEBAR DC ML (BANGLADESH) NAGAR -	-61 -244 -261 -736	0 0 -185 -86 -349	-55 -226 -175	-1.3 -5.4 -4.2 -11.3	
COMILLA(BANGLADESH)-2		NER NR ER ER ER	132KV-TANAKPUR(N MAHENDRANAGAR() 400KV-MUZAFFARP 132KV-BIHAR - NEP/ BHERAMARA HVDC 132KV-SURAJMANI 1 COMILLA(BANGLAI	a HI) - PG) UR - DHALKEBAR DC ML (BANGLADESH) NAGAR - DESH)-1	-61 -244 -261 -736	0 0 -185 -86 -349	-55 -226 -175	-1.3 -5.4 -4.2 -11.3	
		NER NR ER ER ER NER	132KV-TANAKPUR(N MAHENDRANAGAR(I 400KV-MUZAFFARP 132KV-BIHAR - NEP/ BHERAMARA HVDC 132KV-SURAJMANI 100MILLA(BANGLAI 132KV-SURAJMANI 132KV-SURAJMANI	a H) - PG) UR - DHALKEBAR DC AL (BANGLADESH) NAGAR - DESH)-1 NAGAR -	-61 -244 -261 -736 45	0 0 -185 -86 -349	-55 -226 -175 -471	-1.3 -5.4 -4.2 -11.3	
		NER NR ER ER ER NER	132KV-TANAKPUR(N MAHENDRANAGAR(I 400KV-MUZAFFARP 132KV-BIHAR - NEP/ BHERAMARA HVDC 132KV-SURAJMANI 100MILLA(BANGLAI 132KV-SURAJMANI 132KV-SURAJMANI	a H) - PG) UR - DHALKEBAR DC AL (BANGLADESH) NAGAR - DESH)-1 NAGAR -	-61 -244 -261 -736 45	0 0 -185 -86 -349	-55 -226 -175 -471	-1.3 -5.4 -4.2 -11.3	