

National Load Despatch Centre राष्ट्रीय भार प्रेषण केंद्र

POWER SYSTEM OPERATION CORPORATION LIMITED पाँवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड

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

Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 09th May 2020

To,

- 1. कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के.,14, गोल्फ क्लब रोड, कोलकाता ७०००३३ 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., २९ , रेस कोर्स क्रॉस रोड, बंगलुरु –५६०००९ Executive Director, SRLDC, 29, Race Course Cross Road, Bangalore-560009

Sub: Daily PSP Report for the date 08.05.2020.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 08-मई-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 08th May 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 **Date of Reporting:** 09-May-2020

	NR	WR	SR	ER	NER	TOTAL
Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs)	41155	39285	35805	17044	2344	135633
Peak Shortage (MW)	1266	0	0	0	82	1348
Energy Met (MU)	915	1022	886	331	38	3193
Hydro Gen (MU)	236	42	87	74	5	445
Wind Gen (MU)	14	64	22	-	-	100
Solar Gen (MU)*	45.03	28.80	83.06	4.83	0.06	162
Energy Shortage (MU)	11.6	0.0	0.0	0.0	2.0	13.6
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	43844	45378	41208	17018	2346	143333
Time Of Maximum Demand Met (From NLDC SCADA)	21:21	15:01	14:26	21:30	19:25	23:01

B. Frequency Profile (%) FVI 49.9 - 50.05 Region < 49.7 49.7 - 49.8 49.8 - 49.9 < 49.9 > 50.05 0.029 0.00 0.53 5.09 84.92 All India 5.62 9.46

C. Power Supply Position in States

	pry Position in States	Max.Demand	Shortage during	Energy Met	Drawal	OD(+)/UD(-)	Max OD	Energy
Region	States	Met during the day(MW)	maximum Demand(MW)	(MU)	Schedule (MU)	(MU)	(MW)	Shortage (MU)
	Punjab	5645	0	121.1	94.5	-0.9	90	0.0
	Haryana	6078	0	120.2	105.9	0.5	251	0.6
	Rajasthan	9694	171	208.7	78.8	0.7	411	0.0
	Delhi	3745	0	71.8	59.7	-1.0	39	0.0
NR	UP	16638	0	300.3	139.7	0.4	1099	0.6
1121	Uttarakhand	1268	0	26.5	9.8	0.8	119	0.0
	HP	1016	0	19.2	0.3	1.0	182	0.0
	J&K(UT) & Ladakh(UT)	2346	586	44.1	24.4	1.9	463	10.4
	Chandigarh	164	0	3.3	3.3	0.1	12	0.0
	Chhattisgarh	3135	0	68.2	15.5	-1.2	259	0.0
	Gujarat	13969	0	304.0	88.3	3.6	574	0.0
	MP	8928	0	197.2	106.8	-2.8	313	0.0
WR	Maharashtra	19514	0	428.6	185.7	-2.5	286	0.0
	Goa	481	0	10.6	10.3	-0.2	35	0.0
	DD	185	0	3.9	3.8	0.1	21	0.0
	DNH	349	0	7.9	7.8	0.1	20	0.0
	AMNSIL	426	0	1.1	1.0	0.1	126	0.0
	Andhra Pradesh	8884	0	174.8	106.1	0.4	527	0.0
	Telangana	6864	0	145.4	69.8	0.8	576	0.0
SR	Karnataka	10162	0	199.3	55.8	-0.8	585	0.0
	Kerala	3514	0	71.3	48.2	0.3	187	0.0
	Tamil Nadu	12834	0	288.1	175.4	0.9	689	0.0
	Puducherry	354	0	7.4	7.5	-0.2	51	0.0
	Bihar	4525	0	76.1	72.9	-1.1	205	0.0
	DVC	2227	0	44.6	-21.9	1.1	250	0.0
	Jharkhand	1296	0	22.9	15.4	-1.3	130	0.0
ER	Odisha	3613	0	73.6	-5.6	-0.4	195	0.0
	West Bengal	6100	0	112.9	37.5	-0.4	289	0.0
	Sikkim	105	0	1.3	1.5	-0.3	18	0.0
	Arunachal Pradesh	107	0	1.7	1.1	0.4	15	0.0
	Assam	1397	63	23.0	19.1	-0.3	102	1.8
	Manipur	186	1	2.2	2.3	-0.2	24	0.0
NER	Meghalaya	293	0	4.8	2.8	-0.1	53	0.1
- 1,	Mizoram	93	1	1.5	1.4	0.0	15	0.0
	Nagaland	114	2	2.1	2.0	-0.1	18	0.0
	Tripura	268	3	3.3	3.1	-0.5	35	0.0

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	17.2	-0.3	-20.1
Day Peak (MW)	1085.3	-157.3	-1078.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	197.5	-239.8	157.5	-116.9	2.0	0.3
Actual(MU)	198.9	-252.6	178.7	-129.5	0.7	-3.9
O/D/U/D(MU)	1.4	-12.8	21.1	-12.6	-1.3	-4.1

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL
Central Sector	6875	17243	9112	1826	399	35454
State Sector	19430	23032	12978	7772	11	63223
Total	26305	40274	22090	9598	410	98677

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	339	1013	401	417	10	2179
Lignite	22	16	31	0	0	68
Hydro	236	42	87	74	5	445
Nuclear	27	36	51	0	0	115
Gas, Naptha & Diesel	27	74	21	0	27	148
RES (Wind, Solar, Biomass & Others)	83	110	133	5	0	331
Total	734	1290	723	496	42	3285
Share of RES in total generation (%)	11.34	8.51	18.37	0.97	0.14	10.06
Share of Non-fossil fuel (Hydro Nuclear and RES) in total generation(%)	47.26	14.56	37.45	15.97	12.48	27.09

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.045		
Based on State Max Demands	1.092		

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: 09-May-2020

								Date of Reporting:	09-May-2020
		Voltage Level	Line Details	Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
1			UWith NR)		• • • •	* ` ′	• ` ` `	• ` ` `	` ′
SERV CALALAS ANNALY DEC		HVDC	ALIPURDUAR-AGRA			·			
B									
Service Contact Cont									
B									
December December		400 kV	PUSAULI-VARANASI	S/C	0	199	0.0	3.8	-3.8
10 10 10 10 10 10 10 10					The second secon				
Dec Dec DEL SELLEMENTE PALIA DEC Dec 270 Dec	-								
1									
1 2018 FAMILAMEREN Sec. 0 177 6.0 33 -3.				D/C	0	261	0.0	3.7	-3.7
14 1514									
15 152 C. AMONA ALEMANDA S.C. 30 0 0.4 0.0 0.4									
16 1524 V KARPIANASASASAH PURE SCC 0 0 0.0 0						·			
Description of ER. Will NEW 1.00	16	132 kV	KARMANASA-SAHUPURI	S/C	0		0.0	0.0	0.0
	17	132 kV	KARMANASA-CHANDAULI	S/C	0				
1 76 N. PARSECIAN-DIRAGANIA (ASAR) QC 926 0 11.77 0.00 12.57 2 76 NEW REARTH EDRAM/HATCHAEL DC 394 394 2.3 0.0 2.3 3 76 NEW REARTH EDRAM/HATCHAEL DC 0 5.46 0.0 7.7 7.7 4. 40 N. HILMSSTORES, MALGARIT DC 0 5.46 0.0 7.7 7.7 4. 40 N. HILMSSTORES, MALGARIT DC 0 5.46 0.0 7.7 7.7 4. 40 N. HILMSSTORES, MALGARIT DC 0 5.46 0.0 7.7 7.7 4. 40 N. HILMSSTORES, MALGARIT DC 0 0 0 0 0 5. 220 N. HILMSTORES, MALGARIT N. SC 0 171 0.0 2.0 2.0 7. 220 N. HILMSTORE, KORRIA N. SC 0 171 0.0 2.1 0.0 2.1 7. 220 N. HILMSTORE, KORRIA N. SC 0 171 0.0 2.1 0.0 2.1 7. 220 N. HILMSTORE, KORRIA N. SC 0 144 10 0.2 1.1 0.0 2.1 7. 1 TITCE DEFYORE, GAZIWARA BID DC 0 6.45 0.6 6.45 0.6 6.45 0.6 6.45 0.6 6.45 0.6 6.45 0.6 6.45 0.6 6.45 0.6 6.45 0.6 6.45 0.6 6.45 0.6 6.45 0.6 6.45 0.6 6.45 0.6	Impor	t/Export of ER (With WR)			ER-NK	0.4	77.1	-76.7
2 76 V NEW RANGHEDHARMANARIA D'C 394 Mal 2.3 0.0 2.7 3 76 V MARISEGUAD PORGE D'C 0 546 0.0 7.7 7.7 4 80 V MARISEGUAD RAGARII O'C 91 190 0.0 1.8 1.8 5 80 V MARISEGUAD RAGARII O'C 91 190 0.0 1.4 0.0 1.4 5 20 V MARISEGUAD RAGARII O'C 236 150 1.4 0.0 1.4 5 20 V MARISEGUAD RAGARII O'C 236 150 1.4 0.0 1.4 5 20 V MARISEGUAD RAGARII O'C 236 150 1.4 0.0 1.4 6 20 V MARISEGUAD RAGARII O'C 0 177 0.0 2.0 2.0 6 20 V MARISEGUAD RAGARII O'C 0 177 0.0 2.0 2.0 7 20 V V V V V V V V V				O/C	926	0	13.7	0.0	13.7
3	-								
4 40 N.	-								
S 400 kV RANCHESPAT DC 236 150 1.4 0.0 2.0	—								
For 10 10 11 12 10 12 12 10 12 13 13 14 15 15 15 15 15 15 15				-					
Total									
Description of PR (NVIB) SIGN FRANCE D.S. 11.4 S.1	-					+			
A	Impor								
3	1								
4 400 NY TALCERE NC DC 0 203 0.0 3.1 -3.1									
S 290 RALBERA PRESIDENT				D/C			0.0	3.1	-3.1
					1	0	0.0	0.0	0.0
1	Impor	ot/Evnant of FD (With NED			ER-SR	0.0	122.5	-122.5
2 900 kV ALTRIPHIC ARRONAGAON DC 405 0 5.5 0.0 6.5	1 1			D/C	333	0	5.1	0.0	5.1
INDEX_BERNER 11.4 0.0 11.4 11.5		400 kV	ALIPURDUAR-BONGAIGAON	D/C	405	0	5.5	0.0	5.5
	3	220 kV				·	0.9		0.9
HYDC BISWANATH CHARALLAGRA -	Impor	t/Evnort of MED	(With NR)			ER-NER	11.4	1 0.0	11.4
Industrial Properties			BISWANATH CHARIALI-AGRA	_	465	0	11.5	0.0	11.5
1 HYDC CHAMPAKTRINSHETRA DC 0 0 0 122 1122 2 HYDC VCHAM BB DC 0 552 0.0 1.4 1.4 3 HYDC CHAMPAKTRINSHETRA DC 0 152 0.0 1.4 1.4 3 HYDC CHAMPAKTRINSHETRA DC 0 152 0.0 1.4 1.4 3 HYDC CHAMPAKTRINSHETRA DC 0 152 0.0 2.7 2.0 5 76 kV FRACE-GWALOR DC 0 0 1556 0.0 2.2 2.0 6 76 kV FRACE-GWALOR DC 0 784 0.0 2.2 2.0 7 76 kV GWALIOKOBAL SC 591 0 11.7 0.0 11.7 8 76 kV SWANAORM SC 0 1889 0.0 2.9 2.0 10 400 kV SWANAORM SC 0 1889 0.0 2.9 2.0 11 400 kV ZERBA-SHANSKAL SC 3.0 1.6 1.2 0.0 2.2 12 400 kV ZERBA-SHANSKAL SC 3.30 26 2.0 0.0 2.2 13 400 kV CHAM-SHANSKAL SC 3.30 26 2.0 0.0 2.2 14 2.0 kV CHAM-SHANSKAL SC 3.2 3.0 2.0 2.0 15 400 kV CHAM-SHANSKAL SC 3.2 3.0 2.0 2.0 16 220 kV BHANTERANNER SC 3.2 3.0 3.0 3.0 3.0 16 220 kV BHANTERANNER SC 3.1 3.0 3.0 3.0 17 220 kV BHANTERANNER SC 3.1 3.0 0.0 0.2 18 132 kV SMALORNA SC 115 0 0.0 0.1 -0.1 19 400 kV SC SC SC SC SC SC SC S				1		NER-NR			11.5
2 IIVDC VCHALB/B DC 0 52 0.0 1.4 -1.4 3 IVDC AFL-MIRE DC 0 1125 0.0 27.9 -27.9 4 7.85 kV WALDRAGRAR DC 0 2317 0.0 44.3 -44.4 5 7.85 kV WALDRAGRAR DC 0 2317 0.0 44.3 -44.3 6 7.85 kV WALDRAGRAR DC 0 2517 0.0 44.3 -44.3 7 7.85 kV WALDRAGRAR DC 0 784 0.0 -9.2 7 7.85 kV WALDRAGRAR DC 0 784 0.0 -9.2 7 7.85 kV WALDRAGRAR DC 0 784 0.0 -9.2 7 7.85 kV WALDRAGRAR DC 0 784 0.0 -9.2 9 7.86 kV WALDRAGRAR SC 0 1389 0.0 29.9 -29.9 9 7.86 kV SAINA-OKAL SC 0 1389 0.0 29.9 -29.9 9 7.86 kV EVENDA-KANKOLI SC 146 0 0 0 0 10 400 kV ZEROB-KANKOLI SC 146 0 0 0 0 11 400 kV ZEROB-KANKOLI SC 146 0 0 0 0 12 200 kV RAPP-SINJAPIR DC 322 38 1.5 0.0 22.1 13 400 kV CHIAL-RUINND SC 56 1 0 22.1 0.0 22.1 14 220 kV BHAPPIR-RANPUR SC 56 18 0.0 0.1 15 220 kV BHAPPIR-RANPUR SC 56 18 0.0 0.1 16 220 kV BHAPPIR-RANDAK SC 146 81 0.0 0.5 0.5 16 220 kV BHAPPIR-RANDAR SC 14 81 0.0 0.5 0.5 16 220 kV BHAPPIR-RANDAR SC 14 81 0.0 0.0 0.0 0.0 16 220 kV BHAPPIR-RANDAR SC 14 81 0.0 0.0 0.0 0.0 16 220 kV BHAPPIR-RANDAR SC 14 81 0.0 0.0 0.0 0.0 0.0 16 220 kV WHARST BB	Impor							10.0	10.0
3 IMVDC APL ABIIG DC 0 1125 0.0 27.9 227.5	1				· · · · · · · · · · · · · · · · · · ·				
4 765 KV GWALJOR-AGRA DC 0 2317 0.0 44.3 44.5									-27.9
6 768 kV MALIFOLORAI		765 kV	GWALIOR-AGRA			2317	0.0	44.3	-44.3
7 765 kV GWALIOR-ORAI	-								
8 765 kV SATNA-ORA1									
9 765 KV CHITORGARR-BANASKANTHA DC 209 542 0.0 3.7 3.7 10 400 KV ZERDA-BANKROLH SIC 1416 0 2.2 0.0 0.2 11 400 KV ZERDA-BHINMAL SIC 320 26 2.0 0.0 2.2 12 400 KV VCHAL, RIHAND SIC 320 26 2.0 0.0 2.2 13 400 KV VCHAL, RIHAND SIC 506 0 22.1 0.0 0.2 14 220 KV BIANYIKAR DPC 3322 38 1.5 0.0 1.5 15 220 KV BIANYIKAR DPC 3322 38 1.5 0.0 1.5 15 220 KV BIANYIKAR SIC 56 18 0.0 0.1 0.0 15 220 KV BIANYIKAR SIC 115 0 0.0 0.1 0.0 17 220 KV MALANYIKAR SIC 115 0 0.0 0.1 0.0 18 132 KV GWALIOR-SAWAI MADIIOPUR SIC 0 0 0.0 0.0 0.0 19 10 10 10 10 10 10 10						·			-29.9
11	_	765 kV	CHITORGARH-BANASKANTHA	D/C		542		3.7	-3.7
12									
13									
15 220 kV BHANURA-MORAK S/C 4 81 0.0 0.5 0.5 0.5 16 220 kV MEHGAON-AURAIYA S/C 115 0 0.0 0.1 0.1 17 220 kV MEHGAON-AURAIYA S/C 82 8 0.5 0.0 0.5 18 132 kV GWALJOR-SAWAI MADHOPUR S/C 0 0 0 0.0 0.0 18 132 kV GWALJOR-SAWAI MADHOPUR S/C 0 0 0 0.0 0.0 19 19 19 19 19 19 19 1 HVDC BIADRAWATI B/B - 0 0 98S 0.0 23.3 23.3 2 HVDC BIADRAWATI B/B - 0 0 0 0.0 0.0 3 765 kV SOLAPUR-RAIPUR D/C 0 2270 0.0 34.6 34.6 4 765 kV MARDIA-NIZAMBAD D/C 0 2270 0.0 34.6 34.6 5 400 kV KOLHAPUR-KURGH D/C 341 219 1.5 0.9 0.6 5 400 kV KOLHAPUR-KURGH D/C 341 219 1.5 0.9 0.6 6 2 20 kV NEDDA-AMBEWADI S/C 0 0 0 0.0 0.0 0.0 8 220 kV NEDDA-AMBEWADI S/C 0 93 1.9 0.0 1.9 8 220 kV NEDDA-AMBEWADI S/C 0 93 1.9 0.0 1.9 9 10 114 96 2.3									
16 220 kV MERGAON-AURAIYA S/C 115 0 0.0 0.1 -0.1 17 220 kV MALANDPIR-AURAIYA S/C 82 8 0.5 0.0 0.0 18 132 kV MALANDPIR-AURAIYA S/C 0 0 0 0.0 0.0 0.0 18 132 kV MALANDPIR-AURAIYA S/C 0 0 0 0.0 0.0 0.0 18 190 km 180 km 18									
17 220 kV MALANPUR-AURANYA S/C 82 8 0.5 0.0 0.5					•	1			
18									
Import/Export of WR (With SR) 1 HVDC BHARAWATIEB - 0 985 0.0 23.3 -23.3 2						1			
HVDC BHADRAWATI B/B - 0 985 0.0 23.3 2.3.3 2	_	- /T	(Wild GD)			WR-NR	40.9	182.2	-141.3
Company Comp				_	n	095	Λ Λ	23.2	_22.2
3				† -					
S	3	765 kV	SOLAPUR-RAICHUR		0	2270	0.0	34.6	-34.6
Column					·				-46.4
T 220 kV PONDA-AMBEWADI S/C 0 0 0 0 0 0 0 0 0									
SIC 0 93 1.9 0.0 1.9 1.9 1.0 1.9 1.0 1.9 1.0 1.9 1.0 1				S/C		0			
State Region Line Name Max (MW) Min (MW) Avg (MW) Energy Exc (MU)						93	1.9	0.0	1.9
State Region Line Name Max (MW) Min (MW) Avg (MW) Energy Exg (MU	<u> </u>					•	3.5	105.3	-101.8
ER						NGES			Fnonov Erick
BHUTAN ER		State	Region	Line	e Name	Max (MW)	Min (MW)	Avg (MW)	Energy Exchange
BHUTAN ER CHUKA (4*84) BIRPARA RECEIPT 120 114 96 2.3 MANGDECHHU (4 x 180) 457 450 346 8.3 ER MANGDECHHU (4 x 180) 457 450 346 8.3 ER TALA (6*170) BINAGURI RECEIPT 353 345 200 4.8 NER 132KV-SALAKATI - GELEPHU 6 0 13 0.3 NER 132KV-RANGIA - DEOTHANG 0 0 0 24 0.6 NR 132KV-Tanakpur(NH) - 0 0 0 0 0 0.0 NEPAL ER 132KV-BIHAR - NEPAL -11 -1 -3 -0.1 ER 220KV-MUZAFFARPUR - 0.146 0 -10 0.2 BANGLADESH NER 132KV-SURAJMANI NAGAR - 0.0 0 -54 -1.3 NER 132KV-SURAJMANI NAGAR - 0.0 0 -54 -1.3				DACIA CITETA CA 4: 55	• · · · · · · · · · · · · · · · · · · ·		Δ.		
BHUTAN ER MANGDECHHU (4 x 180) 457 450 346 8.3 ER TALA (6 * 170) BINAGURI RECEIPT 353 345 200 4.8 NER 132KV-SALAKATI - GELEPHU 6 0 13 0.3 NER 132KV-RANGIA - DEOTHANG 0 0 0 24 0.6 NR 132KV-Tanakpur(NH) - 0 0 0 0 0.0 NEPAL ER 132KV-BIHAR - NEPAL -11 -1 -3 -0.1 ER 220KV-MUZAFFARPUR - -146 0 -10 -0.2 DHALKEBAR DC -146 0 -10 -0.2 BANGLADESH NER 132KV-SURAJMANI NAGAR - 63 0 -54 -1.3 NER 132KV-SURAJMANI NAGAR - 63 0 -1.3 NER 132KV-SURAJMANI NAGAR - 63 0 -1.3 NER 132KV-SURAJMANI NAGAR - 0 -1.3 NER 132KV-SURAJMANI NAGAR - 0 -1.3			ER	DAGACHU (2 * 63	o)	U	U	0	0.0
BHUTAN ER			ER	CHUKA (4 * 84) I	BIRPARA RECEIPT	120	114	96	2.3
BHUTAN ER				` ,					
ER		BHUTAN	ER	,	,	457	450	346	8.3
NER			ED			252	2/15	200	A Q
NER 132KV-RANGIA - DEOTHANG 0 0 24 0.6			ĽK	IALA (U·1/U)B	LIAGUNI NECEIFI	333	J + 3	200	4.0
NR			NER	132KV-SALAKAT	I - GELEPHU	6	0	13	0.3
NR				1201717 5 131~-	DEORIGANA			•	
NEPAL ER 132KV-BIHAR - NEPAL -11 -1 -3 -0.1			NER			U	U	24	0.6
NEPAL ER 132KV-BIHAR - NEPAL -11 -1 -3 -0.1			NR	• '	*	0	0	0	0.0
ER 220KV-MUZAFFARPUR - DHALKEBAR DC -146 0 -10 -0.2 ER Bheramara HVDC(Bangladesh) -952 -346 -728 -17.5 BANGLADESH NER 132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1 63 0 -54 -1.3 NER 132KV-SURAJMANI NAGAR - GA 63 0 -54 -1.3					·				
ER DHALKEBAR DC -146 0 -10 -0.2 ER Bheramara HVDC(Bangladesh) -952 -346 -728 -17.5 BANGLADESH NER 132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1 63 0 -54 -1.3 NEP 132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1 63 0 -54 -1.3		NEPAL	ER	132KV-BIHAR - N	EPAL	-11	-1	-3	-0.1
ER Bheramara HVDC(Bangladesh) -952 -346 -728 -17.5			ED	220KV-MUZAFFA	RPUR -	146	Λ	10	0.2
BANGLADESH NER 132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1 63 0 -54 -1.3 NEP 132KV-SURAJMANI NAGAR - 63 0 -54 -1.3			ŁK	DHALKEBAR DC		-140	U	-10	-0.2
BANGLADESH NER 132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1 63 0 -54 -1.3 NEP 132KV-SURAJMANI NAGAR - 63 0 -54 -1.3	1			Bheramara HVDC	(Bangladesh)	-952	-346	-728	-17.5
BANGLADESH NER COMILLA(BANGLADESH)-1 63 0 -54 -1.3 NEP 132KV-SURAJMANI NAGAR - 63 0 -54 -1.3									
NEP 132KV-SURAJMANI NAGAR - 63 0 -54 -13	BA	NGLADESH	NER			63	0	-54	-1.3
			NED	132KV-SURAJMA	NI NAGAR -	62	Λ	_51	_1 2
COMILLA(BANGLADESH)-2			NEK	COMILLA(BANG	LADESH)-2	0.5	U	-34	-1.3