

## National Load Despatch Centre राष्ट्रीय भार प्रेषण केंद्र GRID CONTROLLER OF INDIA LIMITED ग्रिड कंटोलर ऑफ इंडिया लिमिटेड

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

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दिनांक: **20**<sup>th</sup> June 2023

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 19.06.2023.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 19-जून-2023 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 19<sup>th</sup> June 2023, is available at the NLDC website.

धन्यवाद.

## ग्रिड कंट्रलर ऑफ इंडिया लिमिटेड राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली



Date of Reporting: 20-Jun-2023

## 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 20:00 hrs; from RLDCs)	66642	60411	48527	24959	2653	203192
Peak Shortage (MW)	150	0	0	0	31	181
Energy Met (MU)	1511	1428	1166	572	45	4722
Hydro Gen (MU)	361	27	49	105	27	570
Wind Gen (MU)	45	135	124	-	-	304
Solar Gen (MU)*	134.71	50.67	108.08	5.20	0.35	299
Energy Shortage (MU)	0.63	0.17	0.00	1.32	1.02	3.14
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	68934	63352	55852	26704	2692	213661
Time Of Maximum Demand Met	22:40	15:03	14:54	00:09	18:57	14:49

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 72.94 0.049 0.00 0.39 3.58 23.48 3.18

C. Power Supply Position in States

	Soliton in States	Max.Demand	Shortage during	Energy Met	Drawal	OD(+)/UD(-)	Max OD	Energy
Region	States	Met during the	maximum					
1109.011	Saltes	day (MW)	Demand (MW)	(MU)	Drawal Schedule (MU)         OD(+)/UD(-)         Max OD (MW)         Energy Shortage (MU)           146.8         -1.4         342         0.00           158.6         -2.1         112         0.00           27.4         -5.3         453         0.00           111.6         -2.0         151         0.00           262.9         -2.2         301         0.00           25.0         -1.2         118         0.04           -3.3         0.3         142         0.05           21.2         1.2         265         0.54           7.0         -0.1         31         0.00           3.3         0.5         46         0.00           62.2         1.2         414         0.17           157.8         -7.0         845         0.00           163.3         -4.3         546         0.00           220.1         5.5         1223         0.00           14.4         -0.6         85         0.00           29.9         -0.3         75         0.00           8.6         -0.1         281         0.00           12.4         0.0         522         0.00			
	Punjab	13793	0	264.1	146.8	-1.4	342	0.00
	Haryana	10129	0	216.6	158.6	-2.1	112	0.00
	Rajasthan	10280	0	221.3	27.4	-5.3	453	0.00
	Delhi	6255	0	125.2	111.6		151	0.00
NR	UP	25680	0	541.4				0.00
	Uttarakhand	2401	0	52.5	25.0		118	0.04
	HP	1535	5	31.3	-3.3		142	0.05
	J&K(UT) & Ladakh(UT)	2453	90	48.2				
	Chandigarh	363	0	6.9				
	Railways NR ISTS	183	0	3.9			46	
	Chhattisgarh	5213	0	120.6				
	Gujarat	17131	0	364.0				
	MP	10896	0	242.2				
WR	Maharashtra	28474	0	627.3				
****	Goa	707	0	14.3				
	DNHDDPDCL	1291	0	29.6				
	AMNSIL	791	0	17.3				
	BALCO	520	0	12.4				
	Andhra Pradesh	11734	0	243.9				
	Telangana	11375	0	221.2				
SR	Karnataka	14198	0	269.1				
S.K	Kerala	4103	0	81.3				
	Tamil Nadu	16693	0	341.1				
	Puducherry	423	0	9.2				
	Bihar	6468	0	139.1				
	DVC	3594	0	78.6				
	Jharkhand	1707	0	37.7				
ER	Odisha	6054	0	118.2	52.6	-4.5	336	0.00
	West Bengal	9640	0	197.2	70.8	-2.2	523	0.00
	Sikkim	88	0	1.3	1.4	0.0	25	0.00
	Railways_ER ISTS	14	0	0.1	0.2	-0.1	0	0.00
	Arunachal Pradesh	150	0	2.5	2.5	-0.2	106	0.00
	Assam	1689	0	27.9	20.8	0.5	123	0.00
	Manipur	159	0	2.4	2.4	-0.1	16	0.00
NER	Meghalaya	289	4	4.5	0.9	-0.3	77	1.02
THE	Mizoram	104	0	1.6	1.6	-0.3	27	0.00
	Nagaland	137	0	2.3	2.2	-0.3	17	0.00
	rugaianu	137	V	4.0	4.4	-0.5	1,	0.00

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

Tripura

	Bhutan	Nepal	Bangladesh	Godda -> Bangladesh
Actual (MU)	42.1	4.0	-25.1	-24.3
Day Peak (MW)	2041.0	279.0	-1097.0	-1121.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	219.1	-207.8	131.4	-125.1	-17.6	0.0
Actual(MU)	183.7	-212.2	165.6	-125.2	-16.7	-4.8
O/D/II/D(MII)	-35 3	-4.5	34 3	-0.1	0.9	-47

F. Generation Outage(MW)

1. Generation Gutage(1.177)	deficition dual of the state of							
	NR	WR	SR	ER	NER	TOTAL	% Share	
Central Sector	1888	10943	5638	1150	455	20074	47	
State Sector	6195	10729	4033	1050	220	22226	53	
Total	8083	21672	9671	2200	675	42300	100	

4.0

G. Sourcewise generation (Gross) (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	769	1445	667	665	14	3560	70
Lignite	28	17	60	0	0	105	2
Hydro	361	27	49	105	27	570	11
Nuclear	29	32	51	0	0	112	2
Gas, Naptha & Diesel	40	56	7	0	28	130	3
RES (Wind, Solar, Biomass & Others)	187	187	243	6	0	623	12
Total	1414	1763	1077	776	70	5087	100
Share of RES in total generation (%)	13.24	10.60	22.57	0.72	0.50	12.25	]
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	40.82	13.93	31.88	14.53	39.77	25.65	

H. All India Demand Diversity Factor	
Based on Regional Max Demands	1.018
Based on State Max Demands	1.062

I. All India Peak Demand and shortage at Solar and Non-Solar Hour

4.9

-0.1

58

0.00

	Max Demand Met(MW)	Time	Shortage(MW)
Solar hr	213661	14:49	39
Non-Solar hr	207804	22:41	312

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

<sup>\*\*</sup>Note: All generation MU figures are gross
\*\*\*Godda (Jharkhand) -> Bangladesh power exchange is through the radial connection (isolated from Indian Grid)
Solar Hours -> 06:00 to 18:00hrs and rest are Non-Solar Hours  $* Source: RLDCs \ for \ solar \ connected \ to \ ISTS; SLDCs \ for \ embedded \ solar. \ Limited \ visibility \ of \ embedded \ solar \ data.$ 

## INTER-REGIONAL EXCHANGES

Import=(+ve) /Export =(-ve) for NET (MU)
Date of Reporting: 20-Jun-2023

The Control	CLAY	77.14	** D. I	N. CCI. II	N 1 (2000)	M E (2000)	T + 4.0 FT	Date of Reporting:	20-Jun-2023
The content of the	Sl No	Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
1	Impor				•				
1	1								
1									
1	4	765 kV	SASARAM-FATEHPUR	1		344	0.0		-2.9
1									
1				-					
December   December		400 kV	MUZAFFARPUR-GORAKHPUR						
BRANCH BRANCH RANDON   1									
1									
10   25   25   25   25   25   25   25   2	12	400 kV	MOTIHARI-GORAKHPUR	2	0	570		8.4	
December   December				2					
1   131				1					
10   15   15   15   15   15   15   15				1					
Import   Fig.   With NTS				1					
ImportCaper of Reg (With NEE)	18	132 kV	KARMANASA-CHANDAULI	1	0				
	Impor	rt/Eyport of FR (	Vith WR)			ER-NK	3.0	90.7	-93./
SOLY   NOW MACHERINAL MANAGEMEN   3   129   583   46   50   64   64   64   64   64   64   64   6	1			4	1855	0	22.4	0.0	22.4
BORN   MINISTELLINA STANDARD   4   4   4   188   42   4.   4.   4.   4.   4.   4.   4.		765 kV	NEW RANCHI-DHARAMJAIGARH		1299	583	6.0		6.0
BORNEY   BANGLINGTON   2   28   212   0.8   0.0   0.									
SIDAY   DEPUTAMENTAL SALES   1 0 72 0.0 1.0 1.0 1.2									
The Property Company of FER (With SR)	6	220 kV	BUDHIPADAR-RAIGARH		0			1.9	
	7	220 kV	BUDHIPADAR-KORBA	2	123				
	T		Vial CD)			ER-WR	30.7	11.0	19.7
A	1mpor			2	243	223	5.4	0.0	5.4
Total	2								
1   0   0   0   0   0   0   0   0   0	3	765 kV	ANGUL-SRIKAKULAM	2	0	3035	0.0	53.9	-53.9
Part									
ImportSport of ER WHIS NECE	3	44U K V	DALEVIELA-UFFER-SILEKKU	1	U				
	Impor	rt/Export of ER (\	Vith NER)			ER-5R		,,,,,	-/3./
2	1	400 kV	BINAGURI-BONGAIGAON						
TRUE   9.4   0.3   9.1		400 kV	ALIPURDUAR-BONGAIGAON	2	576	62	7.1		7.1
Import Export of NER (With NE)	3	220 kV	ALIPURDUAR-SALAKATI	2	87				
BYPE   BENNANTECHARIALARR   2   9   590   54   -44   -44   -45	Impor	rt/Export of NFD	(With NR)			EK-NEK	9.4	0.3	9.1
The proof Page 1   The proof Page 2   The page 3   The	1 mpor			2	0	503	0.0	8.4	-8.4
ImportFayer of WK (With NR)   IMPORE (CHAMPA-KRISMETRA   2   0   305   0.5   5.5   5.5     IMPORE (CHAMPA-KRISMETRA   2   0   305   0.5   5.5   5.5     IMPORE (CHAMPA-KRISMETRA   2   0   305   0.5   1.5   1.5     IMPORE (CHAMPA-KRISMETRA   2   0   0   1.5   1.5     IMPORE (CHAMPA-KRISMETRA   2   0   0   1.5   1.5     IMPORT (CHAMPA-KRISMETRA   2   0   0   0   1.5   1.5     IMPORT (CHAMPA-KRISMETRA   2   0   0   0   0   1.5     IMPORT (CHAMPA-KRISMETRA   2   0   0   0   0   0   0     IMPORT (CHAMPA-KRISMETRA   2   0   0   0   0   0   0     IMPORT (CHAMPA-KRISMETRA   2   0   0   0   0   0   0   0     IMPORT (CHAMPA-KRISMETRA   2   0   0   0   0   0   0   0     IMPORT (CHAMPA-KRISMETRA   3   0   0   0   0   0   0   0     IMPORT (CHAMPA-KRISMETRA   3   0   0   0   0   0   0   0     IMPORT (CHAMPA-KRISMETRA   3   0   0   0   0   0   0   0     IMPORT (CHAMPA-KRISMETRA   3   0   0   0   0   0   0   0     IMPORT (CHAMPA-KRISMETRA   3   0   0   0   0   0   0   0     IMPORT (CHAMPA-KRISMETRA   3   0   0   0   0   0   0   0     IMPORT (CHAMPA-KRISMETRA   3   0   0   0   0   0   0   0     IMPORT (CHAMPA-KRISMETRA   3   0   0   0   0   0   0   0     IMPORT (CHAMPA-KRISMETRA   3   0   0   0   0   0   0     IMPORT (CHAMPA-KRISMETRA   3   0   0   0   0   0   0     IMPORT (CHAMPA-KRISMETRA   3   0   0   0   0   0   0     IMPORT (CHAMPA-KRISMETRA   3   0   0   0   0   0   0     IMPORT (CHAMPA-KRISMETRA   3   0   0   0   0   0   0     IMPORT (CHAMPA-KRISMETRA   3   0   0   0   0   0   0     IMPORT (CHAMPA-KRISMETRA   3   0   0   0   0   0   0     IMPORT (CHAMPA-KRISMETRA   3   0   0   0   0   0   0     IMPORT (CHAMPA-KRISMETRA   3   0   0   0   0   0   0     IMPORT (CHAMPA-KRISMETRA   3   0   0   0   0   0   0     IMPORT (CHAMPA-KRISMETRA   3   0   0   0   0   0   0     IMPORT (CHAMPA-KRISMETRA   3   0   0   0   0   0   0   0     IMPORT (CHAMPA-KRISMETRA   3   0   0   0   0   0   0   0     IMPORT (CHAMPA-KRISMETRA   3   0   0   0   0   0   0   0     IMPORT (CHAMPA-KRISMETRA   3   0   0   0   0   0   0   0   0     IMPORT (CHAMPA				·	· · · · · · · · · · · · · · · · · · ·				
1	Impor	rt/Export of WR (	With NR)			•			
1	1								
4   75   14   17   17   18   17   17   18   18   17   17									
Total									
7   265 kV		765 kV	GWALIOR-PHAGI		722	1048	3.6	8.5	-4.9
S   765   X   SAYN-ORAI				2					
75   75   75   75   75   75   75   75				1					
10	9								
12   4604	10			2					
33   400 kV   VINDIYACHAL-RIRAND   1   964   0   21.6   0.0   21.6     41   400 kV   RAPPSHIQALAPER   2   596   168   6.2   6.3   5.0     42   400 kV   RAPPSHIQALAPER   2   596   168   6.2   6.3   5.0     43   400 kV   RAPPSHIQALAPER   2   596   168   6.2   6.3   5.0     44   400 kV   RAPPSHIQALAPER   2   596   168   6.2   6.3   5.0     45   420 kV   RAPPSHIQALAPER   2   596   160   1.3   0.0   1.3     46   420 kV   MERIGONARIANA   1   16   0   0   0   0.0   0.0     47   420 kV   MERIGONARIANA   1   187   0   0.0   0.0   0.0     48   220 kV   MALANYERAKRAYA   1   187   0   0.0   0.0   0.0   0.0     49   153 kV   GWALGORSAWAI MADIDUR   1   0   0   0   0   0.0   0.0     49   153 kV   GWALGORSAWAI MADIDUR   1   0   0   0   0   0   0.0     49   153 kV   GWALGORSAWAI MADIDUR   1   0   0   0   0   0   0   0     40   40				1					
14   400 kV   RAPPSHUAFFUR   2   596   188   6.2   0.3   5.9				1					
16   229 kV   BHANFURAMORAK   1	14	400 kV	RAPP-SHUJALPUR	2	596		6.2	0.3	5.9
17   229 kV   WISHGADNAJERATYA				1					
18   229 kV   MALANFURAURAIYA									
132 kV   GWALIORSAWAI MADIFICPUR   1   0   0   0.0   0.0   0.0   0.0   0.0				1				0.0	
The color of WR (With SR)	19	132 kV	GWALIOR-SAWAI MADHOPUR	1	0	0	0.0		0.0
Import(Export of WR (With SR)	20	132 kV	RAJGHAT-LALITPUR	2	0				
1   IVPC   BHADRAWATH BB   -   0   505   0.0   9.3   9.3   9.3	Impor	rt/Export of WD (	With SR)			WK-NK	97.9	103./	-85.8
2   HVDC   RAIGARIFPGALUR   2   0   6023   0.0   82.8   82.8					0	505	0.0	9.3	-9.3
4   765 kV   WARDHANIZAMBAD   2   0   2766   0.0   42.5   42.5	2	HVDC	RAIGARH-PUGALUR		0	6023	0.0	82.8	-82.8
S									
Color									
7   220 kV   PONDA-AMBEWADH   1   2   0   0.0	6	220 kV	KOLHAPUR-CHIKODI		0		0.0	0.0	
NTERNATIONAL EXCHANGES   State   Region   Line Name   Max (MW)   Min (MW)   Avg (MW)   Energy Exchange (MU)	7	220 kV	PONDA-AMBEWADI	1	2	0	0.0		0.0
INTERNATIONAL EXCHANGES	8	220 kV	XELDEM-AMBEWADI	1	0				
State   Region						WK-SK	33.8		
State   Region   Line Name   Max (MW)   Min (MW)   Avg (MW)   MIN (MU)			IN	TERNATIONAL EX	CHANGES			Import(	
ER   ALPURDUAR RECEIPT (mANAGECHU   653   344   502   12.04     HEF 4   180MW)   HOWY TALA BINAGUER   1.142   1041   1063   25.51     RECEIPT (mOTALA HEF 6   190MW)   1.142   1041   1063   25.51     RECEIPT (mOTALA HEF 6   1040W)   1.142   1041   1063   25.51     RECEIPT (mOTALA HEF 6   200W)   1.142   1041   1063   20.51     RECEIPT (mOTALA HEF 6   200W)   1.142   1041   1063   20.51     RECEIPT (mOTALA HEF 6   200W)   1.142   1041   1063   20.51     RECEIPT (mOTALA HEF 6   200W)   1.142   1041   1063   20.51     RECEIPT (mOTALA HEF 6   200W)   1.142   1041   1063   20.51     RECEIPT (mOTALA HEF 6   200W)   1.142   1041   1063   20.51     RECEIPT (mOTALA HEF 6   200W)   1.142   1041   1063   20.51     RECEIPT (mOTALA HEF 6   200W)   1.142   1041   1063		State	Region	Line	Name	Max (MW)	Min (MW)	Avg (MW)	
HEP 4** 180MW   A00K** TALA-BINAGURI 1.2.4 (& 400KV   A00K** A00K** TALA-BINAGURI   1142   1041   1063   2.5.51   RECEPT (from TALA HEP 6** 170MW)   220K** CHUKHA-BIRPARA 1&2* (& 220KV   220KV   A00K** A								<u> </u>	UVIUI
ER   MALBASE   BINAGURI   1,2,4 (& 400kV   1142   1041   1063   25.51			ER		Γ (from MANGDECHU	653	344	502	12.04
BHUTAN   ER   MALBASE - BINAGURI) i.e. BINAGURI   1142   1041   1063   25.51				HEP 4*180MW) 400kV TALA-BINACUD	I 1.2.4 (& 400kV				
BHUTAN   ER			ER		, , ,	1142	1041	1063	25.51
BHUTAN ER MALBASE - BIRPARA) i.e. BIRPARA) i.e. BIRPARA ECEIPT (from CHUKHA HEP 4*84MW)  NER 132kV GELEPHU-SALAKATI 30 7 16 0.38  NER 132kV MOTANGA-RANGIA 39 6 23 0.54  NR 132kV MOTANGA-RANGIA 39 6 23 0.54  NR 132kV MAHENDRANAGAR-TANAKPUR(NHPC) -72 0 -50 -1.20  NEPAL ER NEPAL IMPORT (FROM BIHAR) -78 -31 -46 -1.10  ER 400kV DHALKEBAR-MUZAFFARPUR 1&2 87 0 87 5.22  BANGLADESH ER BHERAMARA B/B HVDC (B'DESH) -931 -756 -901 -21.62  BANGLADESH (Isolated from Indian Grid) 400kV GODDA_TPS-RAHANPUR (B'DESH) D/C -1121 -823 -1012 -24.29									
NER   132kV GELEPHU-SALAKATI   30   7   16   0.38		DUITTAN	EP			214	01	151	2.62
NER   132kV GELEPHU-SALAKATI   30   7   16   0.38		BHUIAN	EK			214	91	151	3.03
NER   132kV MOTANGA-RANGIA   39   6   23   0.54								1	
NEPAL ER NEPAL IMPORT (FROM BIHAR) -78 -31 -46 -1.10  ER 400kV DHALKEBAR-MUZAFFARPUR 1&2 87 0 87 5.22  BANGLADESH ER BHERAMARA B/B HVDC (B'DESH) -931 -756 -901 -21.62  ER (Isolated from Indian Grid) 400kV GODDA_TPS-RAHANPUR (B'DESH) D/C -1121 -823 -1012 -24.29			NER	132kV GELEPHU-SALA	KATI	30	7	16	0.38
NEPAL ER NEPAL IMPORT (FROM BIHAR) -78 -31 -46 -1.10  ER 400kV DHALKEBAR-MUZAFFARPUR 1&2 87 0 87 5.22  BANGLADESH ER BHERAMARA B/B HVDC (B'DESH) -931 -756 -901 -21.62  ER (Isolated from Indian Grid) 400kV GODDA_TPS-RAHANPUR (B'DESH) D/C -1121 -823 -1012 -24.29								<del>                                     </del>	
NEPAL ER NEPAL IMPORT (FROM BIHAR) -78 -31 -46 -1.10  ER 400kV DHALKEBAR-MUZAFFARPUR 1&2 87 0 87 5.22  BANGLADESH ER BHERAMARA B/B HVDC (B'DESH) -931 -756 -901 -21.62  ER (Isolated from Indian Grid) 400kV GODDA_TPS-RAHANPUR (B'DESH) D/C -1121 -823 -1012 -24.29			NER	132kV MOTANGA-RANG	GIA	39	6	23	0.54
NEPAL ER NEPAL IMPORT (FROM BIHAR) -78 -31 -46 -1.10  ER 400kV DHALKEBAR-MUZAFFARPUR 1&2 87 0 87 5.22  ER BHERAMARA B/B HVDC (B'DESH) -931 -756 -901 -21.62  BANGLADESH ER (Isolated from Indian Grid) 400kV GODDA_TPS-RAHANPUR (B'DESH) D/C -1121 -823 -1012 -24.29									<del> </del>
NEPAL ER NEPAL IMPORT (FROM BIHAR) -78 -31 -46 -1.10  ER 400kV DHALKEBAR-MUZAFFARPUR 1&2 87 0 87 5.22  ER BHERAMARA B/B HVDC (B'DESH) -931 -756 -901 -21.62  BANGLADESH ER (Isolated from Indian Grid) 400kV GODDA_TPS-RAHANPUR (B'DESH) D/C -1121 -823 -1012 -24.29			ND	132kV MAHENDRANAC	CAR-TANAKPHP(NHPC)	-72	Δ	-50	-1 20
ER 400kV DHALKEBAR-MUZAFFARPUR 1&2 87 0 87 5.22  ER BHERAMARA B/B HVDC (B'DESH) -931 -756 -901 -21.62  BANGLADESH ER (Isolated from Indian Grid) 400kV GODDA_TPS-RAHANPUR (B'DESH) D/C -1121 -823 -1012 -24.29			1718			-12		-50	-1.20
ER 400kV DHALKEBAR-MUZAFFARPUR 1&2 87 0 87 5.22  ER BHERAMARA B/B HVDC (B'DESH) -931 -756 -901 -21.62  BANGLADESH ER (Isolated from Indian Grid) 400kV GODDA_TPS-RAHANPUR (B'DESH) D/C -1121 -823 -1012 -24.29									
ER BHERAMARA B/B HVDC (B'DESH) -931 -756 -901 -21.62  BANGLADESH  ER (Isolated from Indian Grid) 400kV GODDA_TPS-RAHANPUR (B'DESH) D/C -1121 -823 -1012 -24.29		NEPAL	ER	NEPAL IMPORT (FROM	1 BIHAR)	-78	-31	-46	-1.10
ER BHERAMARA B/B HVDC (B'DESH) -931 -756 -901 -21.62  BANGLADESH  ER (Isolated from Indian Grid) 400kV GODDA_TPS-RAHANPUR (B'DESH) D/C -1121 -823 -1012 -24.29									
BANGLADESH  ER (Isolated from Indian Grid)  400kV GODDA_TPS-RAHANPUR (B'DESH) D/C -1121 -823 -1012 -24.29			ER	400kV DHALKEBAR-MU	UZAFFARPUR 1&2	87	0	87	5.22
BANGLADESH  ER (Isolated from Indian Grid)  400kV GODDA_TPS-RAHANPUR (B'DESH) D/C -1121 -823 -1012 -24.29									1
BANGLADESH  ER (Isolated from Indian Grid)  400kV GODDA_TPS-RAHANPUR (B'DESH) D/C -1121 -823 -1012 -24.29			ER	BHERAMARA B/B HVD	C (B'DESH)	-931	-756	-901	-21.62
BANGLADESH (Isolated from Indian Grid) 400kV GODDA_IPS-RAHANPUR (B'DESH) D/C -1121 -823 -1012 -24,29					. (	->31	-,50	- 71	-21.02
BANGLADESH (Isolated from Indian Grid) 400kV GODDA_IPS-RAHANPUR (B'DESH) D/C -1121 -823 -1012 -24,29	_	ANCI ADEST	ER	400LU CODD A TRO D : 1	HANDID (DIDECT) D/C	****		1013	
NER 132kV COMILLA-SURAJMANI NAGAR 1&2 -166 0 -146 -3.50	BANGLADESH			400KV GODDA_TPS-RA	HANPUK (B'DESH) D/C	-1121	-823	-1012	-24.29
NER 132kV COMILLA-SURAJMANI NAGAR 1&2 -166 0 -146 -3.50	6			<del> </del>				+	
	В								
	6		NER	132kV COMILLA-SURA	JMANI NAGAR 1&2	-166	0	-146	-3.50