

National Load Despatch Centre पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड

POWER SYSTEM OPERATION CORPORATION LIMITED

(A wholly owned subsidiary of POWERGRID) B-9, QUTUB INSTITUTIONAL AREA, KATWARIA SARAI, NEW DELHI -110016

Date: 29th Sep, 2015

Ref: POSOCO/NLDC/SO/Daily PSP Report

To,

- 1. महाप्रबंधक, पू. क्षे. भा. प्रे. के., 14, गोल्फ क्लब रोड , कोलकाता 700033 General Manager, ERLDC, 14 Golf Club Road, Tolleygunge, Kolkata, 700033
- 2. Executive Director, ऊ. क्षे. भा. प्रे. के., 18/ ए , शहीद जीत सिंह सनसनवाल मार्ग, नई दिल्ली 110016 कार्यपालक निदेशक, NRLDC, 18-A, Shaheed Jeet Singh Marg, Katwaria Sarai, New Delhi – 110016
- 3. महाप्रबंधक, प. क्षे. भा. प्रे. के., एफ-3, एम आई डी सी क्षेत्र , अंधेरी, मुंबई 400093 General Manager, WRLDC, F-3, M.I.D.C. Area, Marol, Andheri (East), Mumbai-400093
- 4. महाप्रबंधक, ऊ. पू. क्षे. भा. प्रे. के., डोंगतिएह, लोअर नोंग्रह , लापलंग, शिलोंग 793006 General Manager, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
- 5. कार्यपालक निदेशक, द. क्षे. भा. प्रे. के., 29, रेस कोर्स क्रॉस रोड, बंगल्र 560009 Executive Director, SRLDC, 29, Race Course Cross Road, Bangalore-560009

Sub: Daily PSP Report for the date 28.09.2015.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स. - 5.5.1 के प्रावधान के अन्सार, दिनांक 28th Sep 2015 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रा॰भा॰प्रे॰के॰ की वेबसाइट पर निम्न लिंक 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 Sep 2015, is available at the NLDC website.

http://posoco.in/attachments/article/94/28.09.15 NLDC PSP.pdf

Thanking You.

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

Report for previous day Date of Reporting 29-Sep-15

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW)	42911	43893	32954	17368	2201	139327
Peak Shortage (MW)	2877	616	1895	630	252	6270
Energy Met (MU)	937	995	754	366	42	3095
Hydro Gen(MU)	227	42	56	64	19	408
Wind Gen(MU)	4	9	8			21

B. Frequency Profile (%)

Region	<49.2	<49.7	49.7-49.8	49.8-49.9	<49.9	49.9-50.05	> 50.05
NEW GRID	0.00	0.21	3.26	18.82	22.29	71.53	6.18
SR GRID	0.00	0.20	3.30	18.80	22.30	71.50	6.20

C.Power Supply Position in States

		Max. Demand	Shortage during	Energy	Drawal	OD (+)/	Max
RegionRegion	States	Met during the	maximum Demand	Met (MU)	Schedule (MU)	UD(-) (MU)	OD (MW
		day (MW)	(MW)	Met (MO)	Schedule (MC)	OD(-) (MO)	OD (MW
	Punjab	6555	0	136.7	82.2	0.5	259
	Haryana	7358	0	145.5	124.7	-0.1	302
	Rajasthan	8435	210	193.7	55.7	0.8	254
	Delhi	4366	0	91.9	77.4	-0.6	148
NR	UP	11385	4690	267.5	116.2	1.6	491
	Uttarakhand	1674	260	34.3	12.7	3.3	266
	HP	1269	0	25.2	9.8	0.9	108
	J&K	1948	487	37.3	20.5	1.3	206
	Chandigarh	233	0	4.6	4.8	-0.2	21
	Chhattisgarh	3810	96	88.6	33.8	1.2	257
	Gujarat	13371	23	289.7	63.6	2.1	427
	MP	7883	0	176.6	95.3	-2.6	486
WR	Maharashtra	18934	521	403.5	121.4	1.2	571
VVIN	Goa	426	0	9.0	8.0	0.6	70
	DD	281	0	6.4	6.6	-0.2	36
	DNH	713	0	16.5	16.4	0.0	43
	Essar steel	292	0	5.2	4.7	0.5	131
	Andhra Pradesh	6092	0	132.3	15.1	0.6	407
	Telangana	6404	0	144.9	100.6	-2.1	202
SR	Karnataka	6857	1200	144.2	23.0	2.4	461
J.N	Kerala	3462	125	60.0	32.5	1.7	397
	Tamil Nadu	11778	0	265.8	108.0	3.4	684
	Pondy	322	0	6.8	6.7	0.1	37
	Bihar	3187	200	69.4	67.4	-0.2	135
	DVC	2695	110	58.8	-17.7	-1.1	212
ER	Jharkhand	975	0	23.9	12.1	-0.1	32
LIN	Odisha	3560	300	63.0	18.0	0.7	279
	West Bengal	7476	20	150.1	49.4	2.2	156
	Sikkim	91	0	1.2	0.9	0.3	46
	Arunachal Pradesh	121	1	2.0	1.9	0.0	47
	Assam	1290	183	26.2	17.7	1.6	217
	Manipur	136	1	2.1	2.0	0.1	44
NER	Meghalaya	280	2	4.9	-0.6	-0.3	35
	Mizoram	84	1	1.1	1.3	-0.2	6
	Nagaland	102	8	1.6	1.5	0.0	23
	Tripura	200	37	3.9	1.3	0.8	81

 ${\color{red} \textbf{D. Transnational Exchanges} \ (MU) - Import(+ve)/Export(-ve)}$

	Bhutan	Nepal	Bangladesh
Actual(MU)	33.9	-3.3	-10.9
Max MW		-162.0	-459.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	178.1	-173.0	51.2	-56.6	-1.6	-1.9
Actual(MU)	192.4	-182.0	44.2	-54.8	-0.1	-0.3
O/D/U/D(MU)	14.3	-9.0	-7.0	1.7	1.5	1.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5022	10884	2920	2995	563	22384
State Sector	11425	12676	3632	5629	110	33472
Total	16447	23560	6552	8624	673	55856

सचिव(ऊर्जा)/ विशेष सचिव(ऊर्जा)/अतिरिक्त सचिव(ऊर्जा)/संयुक्त सचिव(पारेषण)/(ओ एम)/निदेशक(ओ एम)/मुख्य अभियंता-के०वि॰प्रा॰(ग्रि॰प्र॰)/ अध्यक्ष एवं प्रबंध निदेशक (पावरग्रिङ)/मुख्य कार्यपालक अधिकारी(पोसोको)/सभी राज्यो के मुख्य सचिव/ऊर्जा सचिव

ImportExport of ER (With NR)	STATE Voltage Line Details Circuit May Export (NUI)	&		INTER-REC	HONAL	EACHA	NGES	Date of R	Reporting
Level FROWN Color Temport Especial Temp			77.1/			Max	Max	Import=(
Table	Took		Level		Circuit			Import (MU)	(MU)
765KV SASARAM-FATEHPUR S.C 0 0 0.0 0.0 2.1	765KV SASARAM-FATEHPUR S.C 0 0 0.0 0.0 0.1		Export of		0.0		100	0.0	
SASARAM-FATEHPUR	SASARAM-FATEHPUR	1			_				
3 INYC PUSAULI B/B S/C 0 0 0 0 0 0 0 0 0	SINDE	2	765KV						
S. LINK	S. LINE PESAULISARNATH S.C. 0	2	www.c	SASARAM-FATEHPUR	S/C	0	0	0.0	-2.1
Table	STATE	3		PUSAULI B/B	S/C	0	0	0	-10
60 N	MORETIAN MORETIAN	4		PUSAULI-SARNATH	S/C	0	-240	0	0
Table	Tanabala	5		PUSAULI -ALLAHABAD	D/C	0	-209	0	0
PATNABALIA QC 0 -211 0 -6	PATNABALIA QC 0 -211 0 0 -6		400 KV	MUZAFFARPUR-GORAKHPUR					-10
BARH-GORAKHPUR	BARH-GORAKHPUR				_		_		
10	10	8	_		-		_		
11 12 132 KV	11	10	220 7777		_		_		
12	132 KV GARWAH-RHAND		220 KV		_				
13	13 13 13 15 15 15 14 14 14 14 15 16 16 16 16 16 16 16		1		_				
14	Marticle Karmanasa-Chandauli SiC 0 0 0.0		132 KV		_				
Import/Export of ER (With WR)	BILLING Color Co		1		_				
Import/Export of ER (With WR) 15 765 KV HARSUGUDA-DHARAMJAIGARH S/C DC -287 126 -1.4 1.17 1.17 1.16 NEW KANCHI-DHARAMJAIGARH S/C -44 145 0.0 0.0 0.0 1.17 1.17 NEW KANCHI-DHARAMJAIGARH S/C 0 0 0 3.1 0.0 0.0 1.18 0.0	15		1						
16	16	Import/I	Export of	ER (With WR)					
16	16	15	765 KV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	-287	126	-1.4	-1.7
18	11	16	, 55 K V		S/C	-44	145	0.0	0.0
18	18	17			S/C	0	0	3.1	0.0
19	19	18	-		S/C	0	0	4.2	0.0
STERLITE-RAIGARH	STERLITE-RAIGARH		400 KV		-				
RANCH-SIPAT	220 KV BUDHIPADAR-RAIGARH SIC 495 0 6.3 0.0		1		-		_		
220 kV BUDHIPADAR-RAIGARH S/C 495 0 6.3 0.0 0.3 0.0 0.3 0.0 0.3 0.0 0.3 0.0 0.3 0.0 0.3 0.0 0.3 0.0 0.3 0.0 0.3 0.0 0.3 0.0 0.3 0.0 0.3 0.0 0.3 0.0 0.3 0.0 0.3 0.0	22 220 KV BUDHIPADAR-RAIGARH S/C 495 0 6.3 0.0 0.3 3.3 0.0 0.0 0.2 1.3 0.0 0.3 3.3 0.0 0.2 1.3 0.0 0.3 3.3 0.0 0		1		_				
BIUDHIPADAR-KORBA D/C 0 2.13 0.0 3.3	BUDHIPADAR KORBA	22	220 1/37		S/C	495	0	6.3	0.0
Import/Export of ER (With SR)	Part	23	220 K V	BUDHIPADAR-KORBA	D/C	0	-213	0.0	-3.3
A	A				-	-	ER-WR	19.4	-11.0
LINK	TALCHER-KOLAR BIPOLE D/C 0 -2155 0 47.6		Export of		1		,	,	1
26	26								
27 220 KV BALIMELA-UPPER-SILERRU S/C 0 0 0 0 0 64.5	27 220 KV BALIMELA-UPPER-SILERRU S/C 0 0 0 0				D/C				
ER-SR 0.0 64.5	ER-SR 0.0 6-8.2				8/0				
Import/Export of ER (With NER) 27	Mathematical Properties Mathematical Pro	21	220 K V	DALIVIELA-UFFER-SILEKKU	3/C	1 0			
27	27	Import/I	Export of	ER (With NER)			ZA-DA	1 0.0	-07.0
28 220 KV BIRPARA-SALAKATI	28 220 KV BIRPARA-SALAKATI				Q/C	336	-93	4	0
Import/Export of NR (With NER) 29	Malanpur-Export of NR (With NER) 29	28	220 KV	BIRPARA-SALAKATI	D/C	1	-30	0_	-1
NR-NER	NR-NER		_				ER-NER	4.4	-0.7
NR-NER 0.0 0.0	NR-NER 0.0 0.0				_	_		1	
Matanpert/Export of WR (With NR) 30	Matan Mata	29	HVDC	BISWANATH CHARIALI-AGRA	-	0	1		
30 HVDC VCHAL B/B D/C 0 0 0.0 0.0 31 765 KV GWALIOR-AGRA D/C 0 -3074 0.0 -63.0 32 765 KV PHAGI-GWALIOR D/C 0 -1140 0 -21 33 400 KV ZERDA-KANKROLI S/C 119 -87 0.8 0.0 34 400 KV ZERDA-BHINMAL S/C 78 -112 0.0 -0.2 35 400 KV VCHAL -RIHAND S/C 0 -515 0.0 -12.0 36 BADOL-KOTA S/C 17 -40 0.1 -0.2 37 220 KV BADOD-MORAK S/C 0 0 0.0 0.0 38 MEHGAON-AURAIYA S/C 35 -9 0.4 0.0 40 132KV GWALIOR-SAWAI MADHOPUR S/C 0 0 0.0 0.0 40 MALANPUR-AURAIYA S/C 0 0 0.0 0.0 41 HVDC APL -MHG D/C 0 -2526 0.0 -54.1 Import/Export of WR (With SR)	30	Import/I	Export of	WR (With NP)			NK-NER	0.0	0.0
31	31				D/C	0	0	0.0	0.0
32	32 765 KV PHAGI-GWALIOR D/C 0 -1140 0 -21				_				
33 400 KV ZERDA-KANKROLI S/C 119 -87 0.8 0.0 34 400 KV ZERDA-BHINMAL S/C 78 -112 0.0 -0.2 35 400 KV VCHAL-RIHAND S/C 0 -515 0.0 -12.0 36 BADOD-KOTA S/C 17 -40 0.1 -0.2 BADOD-MORAK S/C 0 0 0.0 0.0 MEHGAON-AURAIYA S/C 35 -9 0.4 0.0 MALANPUR-AURAIYA S/C 7 -34 0.0 -0.4 40 132KV GWALIOR-SAWAI MADHOPUR S/C 0 0 0.0 0.0 WR-NR 1.4 -96.7 41 HVDC APL-MHG D/C 0 -2526 0.0 -54.1 Import/Export of WR (With SR) 42 HVDC BHADRAWATI B/B - 0 -1000 0.0 0.0 44 765 KV SOLAPUR-RAICHUR D/C 111 -947 0.0 -7.2 45 KOLHAPUR-CHIKODI D/C 0 -174 0.0 -3.6 46 220 KV ENDAL-AMBEWADI S/C 86 0 1.9 0.0 47 WR-SR 1.9 -29.7 TRANSNATIONAL EXCHANGE	33 400 KV ZERDA-KANKROLI S/C 119 -87 0.8 0.0 34 400 KV ZERDA-BHINMAL S/C 78 -112 0.0 -0.2 35 400 KV VCHAL-RIHAND S/C 0 -515 0.0 -12.0 36 BADDD-KOTA S/C 17 -40 0.1 -0.2 37 220 KV BADOD-MORAK S/C 0 0 0.0 0.0 38 BADOD-MORAK S/C 35 -9 0.4 0.0 MEHGAON-AURAIYA S/C 35 -9 0.4 0.0 MALANPUR-AURAIYA S/C 7 -34 0.0 -0.4 40 132KV GWALIOR-SAWAI MADHOPUR S/C 0 0 0.0 0.0 40 TISSE TISSE TISSE TISSE TISSE 41 HVDC APL-MHG D/C 0 -2526 0.0 -54.1 MINDER BHADRAWATI B/B - 0 -1000 0.0 0.0 44 765 KV SOLAPUR-RAICHUR D/C 111 -947 0.0 -7.2 45 KOLHAPUR-CHIKODI D/C 0 -174 0.0 -3.6 46 220 KV PONDA-AMBEWADI S/C 0 0 0.0 0.0 47 TRANSNATIONAL EXCHANGE TRANSNATIONAL EXCHANGE 47 BHUTAN NEPAL TISSE				-				
34	34 400 KV ZERDA-BHINMAL S/C 78 -112 0.0 -0.2 35 400 KV V'CHAL-RIHAND S/C 0 -515 0.0 -12.0 36 BADOD-KOTA S/C 17 -40 0.1 -0.2 37 220 KV BADOD-MORAK S/C 0 0 0.0 0.0 38 BADOD-MORAK S/C 35 -9 0.4 0.0 40 132KV GWALIOR-SAWAI MADHOPUR S/C 7 -34 0.0 -0.4 40 132KV GWALIOR-SAWAI MADHOPUR S/C 0 0 0.0 0.0 41 HVDC APL-MHG D/C 0 -2526 0.0 -54.1 mport/Export of WR (With SR) 42 HVDC BHADRAWATI B/B - 0 -1000 0.0 0.0 43 LINK BARSUR-L.SILERU - 0 0 0.0 0.0 44 765 KV SOLAPUR-RAICHUR D/C 111 -947 0.0 -7.2 45 KOLHAPUR-CHIKODI D/C 0 -174 0.0 -3.6 46 220 KV PONDA-AMBEWADI S/C 86 0 1.9 0.0 47 WR-SR 1.9 -29.7 48 NEPAL SHUTAN NEPAL				_				
BADOD-KOTA S/C 17 -40 0.1 -0.2	BADOD-KOTA S/C 17				-		_		
BADOD-MORAK S/C 0 0 0.0 0.0 MEHGAON-AURAIYA S/C 35 -9 0.4 0.0 MALANPUR-AURAIYA S/C 7 -34 0.0 -0.4 40 132KV GWALIOR-SAWAI MADHOPUR S/C 0 0 0.0 0.0 WR-NR 1.4 -96.7 41 HVDC APL -MHG D/C 0 -2526 0.0 -54.1 Import/Export of WR (With SR) 42 HVDC BHADRAWATI B/B - 0 -1000 0.0 -18.9 43 LINK BARSUR-L.SILERU - 0 0 0.0 0.0 44 765 KV SOLAPUR-RAICHUR D/C 111 -947 0.0 -7.2 45 46 220 KV PONDA-AMBEWADI S/C 0 0 0.0 0.0 47 WR-SR 1.9 -29.7 TRANSNATIONAL EXCHANGE	BADOD-MORAK S/C 0 0 0.0 0.0	35	1		S/C		+		-12.0
MEHGAON-AURAIYA	MEHGAON-AURAIYA	36		BADOD-KOTA	S/C	17	-40	0.1	-0.2
MEHGAON-AURAIYA S/C 35 -9 0.4 0.0 MALANPUR-AURAIYA S/C 7 -34 0.0 -0.4 40 132KV GWALIOR-SAWAI MADHOPUR S/C 0 0 0.0 0.0 41 HVDC APL -MHG D/C 0 -2526 0.0 -54.1 Import/Export of WR (With SR) 42 HVDC 43 LINK BARSUR-L.SILERU - 0 0 0.0 0.0 44 765 KV SOLAPUR-RAICHUR D/C 111 -947 0.0 -7.2 45 KOLHAPUR-CHIKODI D/C 0 -174 0.0 -3.6 46 220 KV PONDA-AMBEWADI S/C 86 0 1.9 0.0 47 XELDEM-AMBEWADI S/C 86 0 1.9 0.0 TRANSNATIONAL EXCHANGE	MEHGAON-AURAIYA S/C 35 -9 0.4 0.0 MALANPUR-AURAIYA S/C 7 -34 0.0 -0.4 40 132KV GWALIOR-SAWAI MADHOPUR S/C 0 0 0.0 0.0 41 HVDC APL -MHG D/C 0 -2526 0.0 -54.1 mport/Export of WR (With SR) 42 HVDC BHADRAWATI B/B - 0 -1000 0.0 0.0 43 LINK BARSUR-L.SILERU - 0 0 0.0 0.0 44 765 KV SOLAPUR-RAICHUR D/C 111 -947 0.0 -7.2 45 KOLHAPUR-CHIKODI D/C 0 -174 0.0 -3.6 46 220 KV PONDA-AMBEWADI S/C 0 0 0.0 0.0 47 XELDEM-AMBEWADI S/C 86 0 1.9 0.0 TRANSNATIONAL EXCHANGE 1.9 -29.7 TRANSNATIONAL EXCHANGE 1.9 -29.7 48 NEPAL 1.9 -29.7 48 NEPAL 1.9 -2.9.7 49 1.9 1.9 1.9 1.9 1.9 40 1.0 1.0 1.0 1.0 41 TRANSNATIONAL EXCHANGE 1.9 1.9 42 1.0 1.0 1.0 43 1.0 1.0 1.0 44 1.0 1.0 1.0 45 1.0 1.0 1.0 46 1.0 1.0 1.0 47 BHUTAN NEPAL 1.0 1.0 48 NEPAL 1.0 1.0 49 1.0 1.0 40 1.3 1.0 1.0 40 1.0 1.0 41 1.0 1.0 42 1.0 1.0 43 1.0 1.0 44 1.0 1.0 45 1.0 1.0 46 1.0 1.0 47 1.0 1.0 48 NEPAL 1.0 40 1.0 1.0 41 1.0 1.0 41 1.0 1.0 42 1.0 1.0 43 1.0 1.0 44 1.0 1.0 45 1.0 1.0 46 1.0 1.0 47 1.0 1.0 48 1.0 1.0 49 1.0 1.0 40 1.0 1.0 40 1.0 1.0 41 1.0 1.0 41 1.0 1.0 42 1.0 1.0 42 1.0 1.0 43 1.0 1.0 44 1.0 1.0 45 1.0 1.0 46 1.0 1.0 47 1.0 1.0 48 1.0 1.0 49 1.0 1.0 40 1.0 1.0 40 1.0 1.0 41 1.0 1.0 41 1.0 1.0 42 1.0 1.0 42 1.0 1.0 44 1.0 1.0 45 1.0 1.0 46 1.0 1.0 47 1.0 1.0 48 1.0 1.0 40 1.0 1.0 41 1.0 1.0 41 1.0 1.0 42 1.0 1.0 41 1.0 1.0 42 1.0 1.0 42	37	220 KV	BADOD-MORAK	S/C	0	0	0.0	0.0
40 132KV GWALIOR-SAWAI MADHOPUR S/C 0 0 0.0 0.0 WR-NR 1.4 -96.7 41	40 132KV GWALIOR-SAWAI MADHOPUR S/C 0 0 0.0 0.0 WR-NR 1.4 -96.7 41 HVDC APL -MHG D/C 0 -2526 0.0 -54.1 mport/Export of WR (With SR) 42 HVDC BHADRAWATI B/B - 0 -1000 0.0 0.0 43 LINK BARSUR-L.SILERU - 0 0 0.0 0.0 44 765 KV SOLAPUR-RAICHUR D/C 111 -947 0.0 -7.2 45 KOLHAPUR-CHIKODI D/C 0 -174 0.0 -3.6 46 220 KV PONDA-AMBEWADI S/C 0 0 0.0 0.0 47 XELDEM-AMBEWADI S/C 86 0 1.9 0.0 WR-SR 1.9 -29.7 TRANSNATIONAL EXCHANGE		220 K V	MEHGAON-AURAIYA	S/C				
WR-NR 1.4 -96.7	WR-NR 1.4 -96.7		ļ		_				
HVDC	HVDC APL -MHG D/C 0 -2526 0.0 -54.	40	132KV	GWALIOR-SAWAI MADHOPUR	S/C	0			
Mathematic Content	Martic M		I	Law agric					
42	42				D/C	0	-2526	0.0	-54.1
A3	43 LINK BARSUR-L.SILERU - 0 0 0.0 0.0 0.0 44 765 KV SOLAPUR-RAICHUR D/C 111 -947 0.0 -7.2 45 KOLHAPUR-CHIKODI D/C 0 -174 0.0 -3.6 46 220 KV PONDA-AMBEWADI S/C 0 0 0.0 0.0 47 XELDEM-AMBEWADI S/C 86 0 1.9 0.0 WR-SR 1.9 -29.7 TRANSNATIONAL EXCHANGE 247 BHUTAN NEPAL		· •		1	0	1000	0.0	10.0
44	44		4		-		_		
45 46 220 KV	45 220 KV						_		
46 220 KV	46		703 K V		-				
47 XELDEM-AMBEWADI S/C 86 0 1.9 0.0 WR-SR 1.9 -29.7 TRANSNATIONAL EXCHANGE 47 BHUTAN	47 XELDEM-AMBEWADI S/C 86 0 1.9 0.0 WR-SR 1.9 -29.7 TRANSNATIONAL EXCHANGE 47 BHUTAN 48 NEPAL		220 KV		_		_		
WR-SR 1.9 -29.7 TRANSNATIONAL EXCHANGE 2 47 BHUTAN	WR-SR 1.9 -29.7 TRANSNATIONAL EXCHANGE 47 BHUTAN 48 NEPAL		1		-				
TRANSNATIONAL EXCHANGE BHUTAN	TRANSNATIONAL EXCHANGE 47 BHUTAN 48 NEPAL			1					
2 47 BHUTAN	47 BHUTAN						** 1721-		
48 NEPAL	48 NEPAL			TD A NICNI A	TIONAL	EXCHY		1.7	-29.1
	W		1		TIONAL	EXCHA		1.9	-23.7