

# **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: 11<sup>th</sup> Jan, 2016 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 10.01.2016.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स. - 5.5.1 के प्रावधान के अन्सार, दिनांक 10<sup>th</sup> Jan 2016 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 10<sup>th</sup> Jan 2016, is available at the NLDC website.

http://posoco.in/attachments/article/94/11.01.16 NLDC PSP.pdf

Thanking You.

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

Report for previous day Date of Reporting 11-Jan-16

#### A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW)	38194	40695	31209	16605	2208	128912
Peak Shortage (MW)	1493	107	400	191	91	2282
Energy Met (MU)	832	959	749	316	36	2892
Hydro Gen(MU)	112	25	38	16	8	198
Wind Gen(MU)	5	6	22			33

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	0.00	0.00	1.45	1.45	58.77	39.78
SR GRID	0.00	0.00	0.00	1.45	1.45	58.77	39.78

C.Power Supply Position in States

		Max. Demand	Shortage during	Energy	Drawal	<b>OD</b> (+)/	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	5204	0	100.5	47.8	1.4	197
	Haryana	6091	0	116.3	71.2	0.2	320
	Rajasthan	10210	0	219.3	76.1	2.4	356
	Delhi	3405	0	57.5	43.9	-0.3	266
NR UP Uttarakhand	UP	10523	945	233.6	100.5	1.4	413
	1810	0	33.8	24.5	-0.4	138	
	HP	1350	0	25.0	20.4	0.8	177
	J&K	2030	508	42.4	36.1	0.1	100
	Chandigarh	207	0	3.5	3.3	0.3	30
•	Chhattisgarh	3383	96	74.0	32.6	0.9	236
	Gujarat	12567	0	270.9	64.6	2.8	399
	MP	10504	0	214.0	124.5	-1.7	219
WR	Maharashtra	17465	15	362.8	92.6	1.0	782
VVIN	Goa	364	0	8.0	7.3	0.2	-11
	DD	275	0	6.1	6.4	-0.4	19
	DNH	668	0	15.7	15.9	-0.2	3
	Essar steel	403	0	8.0	7.4	0.6	187
	Andhra Pradesh	6360	0	129.9	11.2	-2.4	407
	Telangana	5851	0	124.2	82.8	-2.0	163
SR	Karnataka	8115	600	176.8	43.4	2.9	404
Jit	Kerala	3099	0	56.0	43.4	2.1	265
	Tamil Nadu	12192	0	256.9	115.4	0.2	429
	Pondy	308	0	5.6	6.2	-0.6	39
	Bihar	3280	100	65.6	63.5	-0.1	60
	DVC	2663	0	46.4	-20.4	-3.4	280
ER	Jharkhand	1116	41	23.0	11.0	-0.3	90
LIN	Odisha	3647	0	60.5	19.8	0.7	250
	West Bengal	6091	0	118.6	22.8	0.0	180
	Sikkim	93	0	1.9	1.3	0.6	30
	Arunachal Pradesh	104	1	1.9	1.6	0.3	46
	Assam	1294	5	19.6	14.2	0.8	193
	Manipur	143	2	2.4	2.4	0.1	21
NER	Meghalaya	346	1	5.5	5.4	-0.9	31
	Mizoram	80	2	1.4	1.2	0.2	29
	Nagaland	110	6	1.8	1.7	0.0	32
	Tripura	197	1	3.4	-1.0	0.4	40

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	2.3	-4.9	-9.5
Max MW		-217.0	-471.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	176.1	-191.7	50.3	-42.5	5.7	-2.1
Actual(MU)	183.9	-195.8	39.4	-39.9	5.4	-7.1
O/D/U/D(MU)	7.8	-4.1	-10.9	2.5	-0.3	-5.0

#### F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4204	9307	1720	2870	668	18769
State Sector	10435	11527	5166	5399	110	32637
Total	14639	20834	6886	8269	778	51406

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

		INTERNAL	GIONAI	L EACH	ANGES	Date of R	eporting :	
								Import=(+ve) /Export =(-ve) for NET (MU)
Sl No	Voltage Level	Line Details	Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
mport/E		ER (With NR)	1	(/	(/		()	()
1		GAYA-FATEHPUR	S/C	35	308	0.0	3.5	-3.5
	765KV	SASARAM-FATEHPUR	S/C	0	0	1.8	0.0	1.8
2		GAYA-BALIA	S/C	0	0	0.0	4.2	-4.2
3	HVDC LINK	PUSAULI B/B	S/C	0	0	0.0	5.5	-5.5
4	LINK	PUSAULI-SARNATH	S/C	44	249	0.0	0.0	0.0
5		PUSAULI -ALLAHABAD	D/C	0	142	0.0	0.0	0.0
6	400 ****	MUZAFFARPUR-GORAKHPUR	D/C	768	0	8.3	0.0	8.3
7	400 KV	PATNA-BALIA	Q/C	0	340	0.0	14.1	-14.1
8		BIHARSHARIFF-BALIA	D/C	363	0	2.9	0.0	2.9
		BARH-GORAKHPUR	D/C	0	0	0.0	12.2	-12.2
10	220 KV	PUSAULI-SAHUPURI	S/C	0	0	0.0	0.0	0.0
11		SONE NAGAR-RIHAND	S/C	0	1	0.0	0.0	0.0
12	132 KV	GARWAH-RIHAND	S/C	42	0	0.5	0.0	0.5
13	-	KARMANASA-SAHUPURI	S/C	0	0	0.0	0.0	0.0
14	<u> </u>	KARMANASA-CHANDAULI	S/C	U	ER-NR	0.0	0.0	0.0
nnort/E	Export of	ER (With WR)			EK-NK	13.5	39.5	-26.0
15		JHARSUGUDA-DHARAMJAIGARH S/C	D/C	0	0	0.0	15.5	-15.5
16	765 KV	NEW RANCHI-DHARAMJAIGARH	D/C	0	0	0.8	0.0	0.8
17		ROURKELA - RAIGARH ( SEL LILO	S/C	0	0	2.5	0.0	2.5
		BYPASS)						
18	400 KV	JHARSUGUDA-RAIGARH	S/C	0	0	2.2	0.0	2.2
19 20	-	IBEUL-RAIGARH	S/C D/C	0	0	1.5 0.0	0.0	1.5 -1.7
21		STERLITE-RAIGARH RANCHI-SIPAT	D/C	427	0	5.7	0.0	5.7
22		BUDHIPADAR-RAIGARH	S/C	100	120	0.0	0.0	0.0
23	220 KV	BUDHIPADAR-KORBA	D/C	157	79	0.0	0.1	-0.1
					ER-WR	12.8	17.3	-4.5
mport/E	Export of	ER (With SR)			J.			
24	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0	723	0	16.0	-16.0
25	LINK	TALCHER-KOLAR BIPOLE	D/C	36.5533	977	0	9.6	-9.6
26	400 KV	TALCHER-I/C		0	1176	0	19.2163	-19.2
27	220 KV	BALIMELA-UPPER-SILERRU	S/C	0	0	0	0	0.0
					ER-SR	0.0	25.7	-25.7
		ER (With NER)	0.0	1 0	< 1.1	0	17	1.7
27	400 KV	BINAGURI-BONGAIGAON BIRPARA-SALAKATI	Q/C D/C	0	644 118	0	17	-17 -2
20	220 K V	DIRFARA-SALARATI	D/C	U		0.0	18.6	-18.6
nport/F	Export of	NR (With NER)			ER-NER	0.0		-10.0
nport/E		NR (With NER) BISWANATH CHARIALI-AGRA	-	500	0	12	0	1
		NR (With NER) BISWANATH CHARIALI-AGRA	-	500		12		11.7 11.7
29	HVDC		-	500	0	12	0	11.7
29	HVDC	BISWANATH CHARIALI-AGRA	D/C	500	0	12	0	11.7
29 nport/E	HVDC Export of HVDC	BISWANATH CHARIALI-AGRA WR (With NR)	- D/C D/C	1	0 NR-NER	12 11.7	0.0	11.7 11.7
29 mport/E 30 31 32	Export of HVDC 765 KV 765 KV	BISWANATH CHARIALI-AGRA  WR (With NR)  VCHAL B/B  GWALIOR-AGRA  PHAGI-GWALIOR	D/C D/C	100 0 0	0 NR-NER	12 11.7 1.2 0.0 0	0 0.0 2.3 66.4 24.8	11.7 11.7 -1.1 -66.4 -24.8
29 mport/E 30 31 32 33	HVDC Export of HVDC 765 KV 765 KV 400 KV	BISWANATH CHARIALI-AGRA  WR (With NR)  VCHAL B/B  GWALIOR-AGRA  PHAGI-GWALIOR  ZERDA-KANKROLI	D/C D/C S/C	100 0 0 126	0 NR-NER 250 3142 1211 60	12 11.7 1.2 0.0 0	0 0.0 2.3 66.4 24.8 0.0	11.7 11.7 -1.1 -66.4 -24.8 1.0
29 mport/E 30 31 32 33 34	HVDC Export of HVDC 765 KV 765 KV 400 KV	BISWANATH CHARIALI-AGRA  WR (With NR)  VCHAL B/B  GWALIOR-AGRA  PHAGI-GWALIOR  ZERDA-KANKROLI  ZERDA -BHINMAL	D/C D/C S/C S/C	100 0 0 126 225	0 NR-NER 250 3142 1211 60 35	12 11.7 1.2 0.0 0 1.0 1.6	0 0.0 2.3 66.4 24.8 0.0 0.0	11.7 11.7 -1.1 -66.4 -24.8 1.0
29 mport/E 30 31 32 33 34 35	HVDC Export of HVDC 765 KV 765 KV 400 KV	BISWANATH CHARIALI-AGRA  WR (With NR)  VCHAL B/B  GWALIOR-AGRA  PHAGI-GWALIOR  ZERDA-KANKROLI  ZERDA - BHINMAL  VCHAL - RIHAND	D/C D/C S/C S/C S/C	100 0 0 126 225 0	0 NR-NER 250 3142 1211 60 35 0	12 11.7 1.2 0.0 0 1.0 1.6 0.0	0 0.0 2.3 66.4 24.8 0.0 0.0 0.0	11.7 11.7 11.7 -1.1 -66.4 -24.8 1.0 1.6 0.0
29 mport/E 30 31 32 33 34 35 36	HVDC Export of HVDC 765 KV 765 KV 400 KV	BISWANATH CHARIALI-AGRA  WR (With NR)  VCHAL B/B  GWALIOR-AGRA  PHAGI-GWALIOR  ZERDA-KANKROLI  ZERDA-BHINMAL  VCHAL -RIHAND  BADOD-KOTA	D/C D/C S/C S/C S/C S/C	100 0 0 126 225 0 39	0 NR-NER 250 3142 1211 60 35 0	12 11.7 1.2 0.0 0 1.0 1.6 0.0 0.3	0 0.0 2.3 66.4 24.8 0.0 0.0 0.0 0.0	11.7 11.7 11.7 -1.1 -66.4 -24.8 1.0 1.6 0.0 0.3
29 mport/E 30 31 32 33 34 35 36 37	HVDC Export of HVDC 765 KV 765 KV 400 KV	BISWANATH CHARIALI-AGRA  WR (With NR)  VCHAL B/B  GWALIOR-AGRA  PHAGI-GWALIOR  ZERDA-KANKROLI  ZERDA-BHINMAL  VCHAL-RIHAND  BADOD-KOTA  BADOD-MORAK	D/C D/C S/C S/C S/C S/C S/C S/C	100 0 0 126 225 0 39	0 NR-NER 250 3142 1211 60 35 0 7	12 11.7 1.2 0.0 0 1.0 1.6 0.0 0.3 0.0	0 0.0 2.3 66.4 24.8 0.0 0.0 0.0 0.0	11.7 11.7 11.7 -66.4 -24.8 1.0 1.6 0.0 0.3 -0.5
29 mport/E 30 31 32 33 34 35 36 37 38	Export of HVDC 765 KV 765 KV 400 KV 400 KV	BISWANATH CHARIALI-AGRA  WR (With NR)  VCHAL B/B  GWALIOR-AGRA  PHAGI-GWALIOR  ZERDA-KANKROLI  ZERDA-BHINMAL  VCHAL -BHIAND  BADOD-KOTA  BADOD-MORAK  MEHGAON-AURAIYA	D/C D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C	100 0 126 225 0 39 0 52	0 NR-NER 250 3142 1211 60 35 0 7 43	12 11.7 1.2 0.0 0 1.6 0.0 0.3 0.0 0.7	0 0.0 2.3 66.4 24.8 0.0 0.0 0.0 0.0 0.5 0.0	11.7 11.7 11.7 -66.4 -24.8 1.0 1.6 0.0 0.3 -0.5
29 mport/E 30 31 32 33 34 35 36 37 38 39	HVDC  Export of HVDC 765 KV 765 KV 400 KV 400 KV 400 KV	BISWANATH CHARIALI-AGRA  WR (With NR)  VCHAL B/B  GWALIOR-AGRA  PHAGI-GWALIOR  ZERDA-KANKROLI  ZERDA-BHINMAL  VCHAL-RIHAND  BADOD-KOTA  BADOD-MORAK  MEHGAON-AURAIYA  MALANPUR-AURAIYA	D/C D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	100 0 0 126 225 0 39 0 52 5	0 NR-NER 250 3142 1211 60 35 0 7 43 0	12 11.7 1.2 0.0 0 1.0 1.6 0.0 0.3 0.0 0.7	0 0.0 2.3 66.4 24.8 0.0 0.0 0.0 0.0 0.5 0.0	11.7 11.7 11.7 -66.4 -24.8 1.0 1.6 0.0 0.3 -0.5 0.7 -0.2
29 mport/E 30 31 32 33 34 35 36 37 38	Export of HVDC 765 KV 765 KV 400 KV 400 KV	BISWANATH CHARIALI-AGRA  WR (With NR)  VCHAL B/B  GWALIOR-AGRA  PHAGI-GWALIOR  ZERDA-KANKROLI  ZERDA-BHINMAL  VCHAL -BHIAND  BADOD-KOTA  BADOD-MORAK  MEHGAON-AURAIYA	D/C D/C S/C S/C S/C S/C S/C S/C S/C S/C	100 0 126 225 0 39 0 52	0 NR-NER 250 3142 1211 60 35 0 7 43 0	12 11.7 1.2 0.0 0 1.0 1.6 0.0 0.3 0.0 0.7 0.0	0 0.0 2.3 66.4 24.8 0.0 0.0 0.0 0.0 0.5 0.0	11.7 11.7 11.7 -1.1 -66.4 -24.8 1.0 1.6 0.0 0.3 -0.5 0.7 -0.2
29  nport/E 30 31 32 33 34 35 36 37 38 39 40	HVDC Export of HVDC 765 KV 765 KV 400 KV 400 KV 400 KV 132KV	BISWANATH CHARIALI-AGRA  WR (With NR)  VCHAL B/B  GWALIOR-AGRA  PHAGI-GWALIOR  ZERDA-KANKROLI  ZERDA-BHINMAL  VCHAL -RIHAND  BADOD-KOTA  BADOD-MORAK  MEHGAON-AURAIYA  MALANPUR-AURAIYA  GWALIOR-SAWAI MADHOPUR	D/C D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	100 0 126 225 0 39 0 52 5	0 NR-NER 250 3142 1211 60 35 0 7 43 0 16 0	12 11.7 0.0 0 1.0 1.6 0.0 0.3 0.0 0.7 0.0 4.8	0 0.0 0.0 2.3 66.4 24.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	11.7 11.7 11.7 -1.1 -66.4 -24.8 1.0 1.6 0.0 0.3 -0.5 -0.7 -0.2 0.0 -89.4
29 30 31 32 33 34 35 36 37 38 39 40	HVDC  Export of HVDC 765 KV 765 KV 400 KV 400 KV 400 KV 132KV  HVDC	BISWANATH CHARIALI-AGRA  WR (With NR)  VCHAL B/B  GWALIOR-AGRA  PHAGI-GWALIOR  ZERDA-KANKROLI  ZERDA-BHINMAL  VCHAL -RIHAND  BADOD-KOTA  BADOD-MORAK  MEHGAON-AURAIYA  MALANPUR-AURAIYA  GWALIOR-SAWAI MADHOPUR  APL-MHG	D/C D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	100 0 0 126 225 0 39 0 52 5	0 NR-NER 250 3142 1211 60 35 0 7 43 0	12 11.7 1.2 0.0 0 1.0 1.6 0.0 0.3 0.0 0.7 0.0	0 0.0 2.3 66.4 24.8 0.0 0.0 0.0 0.0 0.5 0.0	11.7 11.7 11.7 -66.4 -24.8 1.0 1.6 0.0 0.3 -0.5 0.7 -0.2
29 mport/F 30 31 32 33 34 35 36 37 38 39 40	HVDC   Export of   HVDC   765 KV   765 KV   400 KV   400 KV   400 KV   220 KV   132KV   HVDC   Export of   Expor	BISWANATH CHARIALI-AGRA  WR (With NR)  VCHAL B/B  GWALIOR-AGRA  PHAGI-GWALIOR  ZERDA-KANKROLI  ZERDA-BHINMAL  VCHAL -RIHAND  BADOD-KOTA  BADOD-MORAK  MEHGAON-AURAIYA  MALANPUR-AURAIYA  GWALIOR-SAWAI MADHOPUR	D/C D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	100 0 126 225 0 39 0 52 5	0 NR-NER 250 3142 1211 60 35 0 7 43 0 16 0	12 11.7 0.0 0 1.0 1.6 0.0 0.3 0.0 0.7 0.0 4.8	0 0.0 0.0 2.3 66.4 24.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	11.7 11.7 11.7 -1.1 -66.4 -24.8 1.0 1.6 0.0 0.3 -0.5 -0.7 -0.2 0.0 -89.4
29  mport/E 30 31 32 33 34 35 36 37 38 39 40  41  mport/E	HVDC  Export of HVDC 765 KV 765 KV 400 KV 400 KV 400 KV 132KV  HVDC  HVDC  HVDC	BISWANATH CHARIALI-AGRA  WR (With NR)  VCHAL B/B  GWALIOR-AGRA PHAGI-GWALIOR  ZERDA-KANKROLI  ZERDA-BHINMAL  VCHAL -RIHAND  BADOD-KOTA  BADOD-KOTA  BADOD-MORAK  MEHGAON-AURAIYA  MALANPUR-AURAIYA  GWALIOR-SAWAI MADHOPUR  APL -MHG  WR (With SR)	D/C D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	100 0 0 126 225 0 39 0 52 5 0	0 NR-NER  250 3142 1211 60 35 0 7 43 0 16 0 WR-NR	12 11.7 1.2 0.0 0 1.0 1.6 0.0 0.3 0.0 0.7 0.0 0.0	0 0.0 2.3 66.4 24.8 0.0 0.0 0.0 0.5 0.0 0.2 0.0 94.2	11.7 11.7 11.7 -1.1 -66.4 -24.8 1.0 1.6 0.0 0.3 -0.5 0.7 -0.2 0.0 -89.4 -56.3
29  mport/E 30 31 32 33 34 35 36 37 38 39 40  41 mport/E 42	HVDC  Export of HVDC 765 KV 765 KV 400 KV 400 KV 400 KV 132KV  HVDC  HVDC  HVDC	BISWANATH CHARIALI-AGRA  WR (With NR)  VCHAL B/B  GWALIOR-AGRA  PHAGI-GWALIOR  ZERDA-KANKROLI  ZERDA-BHINMAL  VCHAL -RIHAND  BADOD-KOTA  BADOD-MORAK  MEHGAON-AURAIYA  MALANPUR-AURAIYA  GWALIOR-SAWAI MADHOPUR  APL-MHG  WR (With SR)  BHADRAWATI B/B	D/C D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	100 0 0 126 225 0 39 0 52 5 0	0 NR-NER  250 3142 1211 60 35 0 7 43 0 16 0 WR-NR 1259	12 11.7 1.2 0.0 0 1.0 1.6 0.0 0.3 0.0 0.7 0.0 0.0 4.8	0 0.0 0.0 2.3 66.4 24.8 0.0 0.0 0.0 0.0 0.5 0.0 0.2 0.0 94.2 56	11.7 11.7 11.7 -1.1 -66.4 -24.8 1.0 1.6 0.0 0.3 -0.5 0.7 -0.2 -0.9 -0.
29  mport/E 30 31 32 33 34 35 36 37 38 39 40  41 mport/E 42 43	HVDC	BISWANATH CHARIALI-AGRA  WR (With NR)  VCHAL B/B  GWALIOR-AGRA  PHAGI-GWALIOR  ZERDA-KANKROLI  ZERDA-BHINMAL  VCHAL-RIHAND  BADOD-KOTA  BADOD-MORAK  MEHGAON-AURAIYA  MALANPUR-AURAIYA  GWALIOR-SAWAI MADHOPUR  APL-MHG  WR (With SR)  BHADRAWATI B/B  BARSUR-L.SILERU	D/C D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	100 0 0 126 225 0 39 0 52 5 0	0 NR-NER  250 3142 1211 60 35 0 7 43 0 16 0 WR-NR 1259	12 11.7 1.2 0.0 0 1.0 1.6 0.0 0.3 0.0 0.7 0.0 0.0 0.0 0.0	0 0.0 0.0 2.3 66.4 24.8 0.0 0.0 0.0 0.5 0.0 0.2 0.0 94.2 56	11.7 11.7 11.7 -66.4 -24.8 1.0 1.6 0.0 0.3 -0.5 0.7 -0.2 0.0 -89.4 -56.3
29  mport/E 30 31 32 33 34 35 36 37 38 39 40  41 mport/E 42 43	HVDC	BISWANATH CHARIALI-AGRA  WR (With NR)  VCHAL B/B  GWALIOR-AGRA  PHAGI-GWALIOR  ZERDA-KANKROLI  ZERDA-BHINMAL  VCHAL -RIHAND  BADOD-KOTA  BADOD-MORAK  MEHGAON-AURAIYA  MALANPUR-AURAIYA  GWALIOR-SAWAI MADHOPUR  APL -MHG  WR (With SR)  BHADRAWATI B/B  BARSUR-L.SILERU  SOLAPUR-RAICHUR	D/C D/C D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	100 0 0 126 225 0 39 0 52 5 0	0 NR-NER  250 3142 1211 60 35 0 7 43 0 16 0 WR-NR 1259	12 11.7 1.2 0.0 0 1.0 1.6 0.0 0.3 0.0 0.7 0.0 0.0 0.0 0.0	0 0.0 0.0 2.3 66.4 24.8 0.0 0.0 0.0 0.5 0.0 0.2 0.0 94.2 56	11.7 11.7 11.7 -66.4 -24.8 1.0 1.6 0.0 0.3 -0.5 0.7 -0.2 0.0 -89.4 -56.3
29  mport/E 30 31 32 33 34 35 36 37 38 39 40  41 mport/E 42 43 44	HVDC	BISWANATH CHARIALI-AGRA  WR (With NR)  VCHAL B/B  GWALIOR-AGRA  PHAGI-GWALIOR  ZERDA-KANKROLI  ZERDA-BHINMAL  VCHAL -RIHAND  BADOD-KOTA  BADOD-MORAK  MEHGAON-AURAIYA  MALANPUR-AURAIYA  GWALIOR-SAWAI MADHOPUR  APL -MHG  WR (With SR)  BHADRAWATI B/B  BARSUR-L.SILERU  SOLAPUR-RAICHUR  KOLHAPUR-KUDGI	D/C D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	100 0 0 126 225 0 39 0 52 5 0 0	0 NR-NER  250 3142 1211 60 35 0 7 43 0 16 0 WR-NR 1259  1000 0 1793 284	12 11.7 1.2 0.0 0 1.0 1.6 0.0 0.3 0.0 0.7 0.0 0.0 4.8 0	0 0.0 0.0 2.3 66.4 24.8 0.0 0.0 0.0 0.0 0.0 0.2 0.0 94.2 56 17.3 0.0 31.9	11.7 11.7 11.7 11.7 -1.1 -66.4 -24.8 1.0 1.6 0.0 0.3 -0.5 0.7 -0.2 0.0 -89.4 -56.3 -17.3 0.0 -31.9 -0.5
29  mport/E 30 31 32 33 34 35 36 37 38 39 40 41 mport/E 42 43 44	HVDC	BISWANATH CHARIALI-AGRA  WR (With NR)  VCHAL B/B  GWALIOR-AGRA  PHAGI-GWALIOR  ZERDA-KANKROLI  ZERDA-BHINMAL  VCHAL -RIHAND  BADOD-KOTA  BADOD-KOTA  BADOD-WORAK  MEHGAON-AURAIYA  MALANPUR-AURAIYA  GWALIOR-SAWAI MADHOPUR  APL -MHG  WR (With SR)  BHADRAWATI B/B  BARSUR-L.SILERU  SOLAPUR-RAICHUR  KOLHAPUR-KUDGI  KOLHAPUR-CHIKODI	D/C D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	100 0 0 126 225 0 39 0 52 5 0 0	0 NR-NER  250 3142 1211 60 35 0 7 43 0 16 0 WR-NR 1259  1000 0 1793 284 217	12 11.7 1.2 0.0 0 1.0 1.6 0.0 0.3 0.0 0.7 0.0 0.0 4.8 0 0 0.0 0.0 0.0 0.0 0.0 0.0	0 0.0 0.0 2.3 66.4 24.8 0.0 0.0 0.0 0.0 0.0 0.2 0.0 94.2 56 17.3 0.0 31.9 1.1 4.4	11.7 11.7 11.7 11.7 -1.1 -66.4 -24.8 1.0 1.6 0.0 0.3 -0.5 0.7 -0.2 0.0 -89.4 -56.3 -17.3 0.0 -31.9 -0.5 -4.4
29  mport/E 30 31 31 32 33 34 35 36 37 38 39 40 41 41 42 43 44 45 46	HVDC	BISWANATH CHARIALI-AGRA  WR (With NR)  VCHAL B/B  GWALIOR-AGRA  PHAGI-GWALIOR  ZERDA-KANKROLI  ZERDA-BHINMAL  VCHAL-RIHAND  BADOD-KOTA  BADOD-MORAK  MEHGAON-AURAIYA  MALANPUR-AURAIYA  GWALIOR-SAWAI MADHOPUR  APL-MHG  WR (With SR)  BHADRAWATI B/B  BARSUR-L.SILERU  SOLAPUR-RAICHUR  KOLHAPUR-KUDGI  KOLHAPUR-CHIKODI  PONDA-AMBEWADI	D/C D/C D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	100 0 0 126 225 0 39 0 52 5 0 0 0 0 0 0 0 0 0 0 0 0 0	0 NR-NER  250 3142 1211 60 35 0 7 43 0 16 0 WR-NR 1259  1000 0 1793 284 217 0	12 11.7 1.2 0.0 0 1.0 1.6 0.0 0.3 0.0 0.7 0.0 0.0 0.0 0.0 0.0 0.0	0 0.0 0.0 2.3 66.4 24.8 0.0 0.0 0.0 0.0 0.0 0.2 0.0 94.2 56 17.3 0.0 0.0 1.1 4.4	11.7 11.7 11.7 11.7 -1.1 -66.4 -24.8 1.0 1.6 0.0 0.3 -0.5 0.7 -0.2 0.0 -89.4 -56.3 -17.3 0.0 -3.1.9 -0.5 -4.4 0.0
29  nport/E 30 31 31 32 33 34 35 36 37 38 39 40 41 41 42 43 44 45	HVDC	BISWANATH CHARIALI-AGRA  WR (With NR)  VCHAL B/B  GWALIOR-AGRA  PHAGI-GWALIOR  ZERDA-KANKROLI  ZERDA-BHINMAL  VCHAL-RIHAND  BADOD-KOTA  BADOD-MORAK  MEHGAON-AURAIYA  MALANPUR-AURAIYA  GWALIOR-SAWAI MADHOPUR  APL-MHG  WR (With SR)  BHADRAWATI B/B  BARSUR-L.SILERU  SOLAPUR-RAICHUR  KOLHAPUR-KUDGI  KOLHAPUR-CHIKODI  PONDA-AMBEWADI	D/C D/C D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 NR-NER  250 3142 1211 60 35 0 7 43 0 16 0 WR-NR 1259  1000 0 1793 284 217 0 0 WR-SR	12 11.7 1.2 0.0 0 1.0 1.6 0.0 0.3 0.0 0.7 0.0 0.0 4.8 0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0 0.0 0.0 2.3 66.4 24.8 0.0 0.0 0.0 0.0 0.0 0.2 0.0 94.2 56 17.3 0.0 31.9 1.1 4.4 0.0 0.0	11.7 11.7 11.7 -1.1 -66.4 -24.8 1.0 1.6 0.0 0.3 -0.5 0.7 -0.2 0.0 -89.4 -56.3 -17.3 0.0 -31.9 -0.5 -4.4 0.0 1.9
29  nport/E 30 31 31 32 33 34 35 36 37 38 39 40 41 41 42 43 44 45	HVDC	BISWANATH CHARIALI-AGRA  WR (With NR)  VCHAL B/B  GWALIOR-AGRA PHAGI-GWALIOR  ZERDA-KANKROLI  ZERDA-BHINMAL  VCHAL -RIHAND  BADOD-KOTA  BADOD-MORAK  MEHGAON-AURAIYA  MALANPUR-AURAIYA  GWALIOR-SAWAI MADHOPUR  APL -MHG  WR (With SR)  BHADRAWATI B/B  BARSUR-L.SILERU  SOLAPUR-RAICHUR  KOLHAPUR-KUDGI  KOLHAPUR-CHIKODI  PONDA-AMBEWADI  XELDEM-AMBEWADI	D/C D/C D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 NR-NER  250 3142 1211 60 35 0 7 43 0 16 0 WR-NR 1259  1000 0 1793 284 217 0 0 WR-SR	12 11.7 1.2 0.0 0 1.0 1.6 0.0 0.3 0.0 0.7 0.0 0.0 4.8 0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0 0.0 0.0 2.3 66.4 24.8 0.0 0.0 0.0 0.0 0.0 0.2 0.0 94.2 56 17.3 0.0 31.9 1.1 4.4 0.0 0.0	11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7