

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, क़त्ब इन्स्टीट्यूशनल एरिया, कटवारिया सराये, न्यू दिल्ली-110016

Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 15th July 2017

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. महाप्रबंधक, ऊ. क्षे. भा. प्रे. के., 18/ ए , शहीद जीत सिंह सनसनवाल मार्ग, नई दिल्ली 110016 General Manager, 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
- महाप्रबंधक, ऊ. पू. क्षे. भा. प्रे. के., डोंगतिएह, लोअर नोंग्रह , लापलंग, शिलोंग 793006
 General Manager, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong 793006, Meghalaya
- 5. अपर महाप्रबंधक , द .क्षे .भा .प्रे .के ,,29 , रेस कोर्स क्रॉस रोड, बंगलुरु –560009 Additional General Manager, SRLDC, 29, Race Course Cross Road, Bangalore-560009

Sub: Daily PSP Report for the date 14.07.2017.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 14-जुलाई- 2017 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 14 July 2017, is available at the NLDC website.

धन्यवाद,

पांवर सिस्टम ऑपरेशन कारपरिशन लिमिटेड

राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली

Report for previous day

Date of Reporting A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs)	52475	38683	36124	18593	2492	148367
Peak Shortage (MW)	990	64	0	300	133	1487
Energy Met (MU)	1194	896	825	393	45	3354
Hydro Gen(MU)	352	24	27	103	27	532
Wind Gen(MU)	9	134	189			332
Solar Gen (MU)*	3.30	4.60	18.70	1.16	0.02	28
Energy Shortage (MU)	17.7	0.0	0.0	0.9	1.2	19.8
Maximum Demand Met during the day (MW) (from NLDC SCADA)	55303	38618	37574	19573	2588	152206

B. Frequency Profile (%)

Region	FVI	<49.7	49.7-49.8	49.8-49.9	<49.9	49.9-50.05	> 50.05
All India	0.031	0.00	0.12	2.97	3.09	73.95	22.96

C. Power Supply Position in States

RegionRegion	States	Max. Demand Met during the day (MW)	Shortage during maximum Demand (MW)	Energy Met (MU)	Drawal Schedule (MU)	OD(+)/UD(-) (MU)	Max OD (MW)	Energy Shortage (MU)
	Punjab	10417	0	232.1	132.1	0.2	283	0.0
	Haryana	9350	0	193.8	135.6	0.5	340	0.0
	Rajasthan	8314	240	179.2	86.6	5.2	414	8.3
	Delhi	5677	0	114.3	88.2	0.9	262	0.0
NR	UP	17264	990	363.2	159.7	2.6	1167	0.0
	Uttarakhand	1820	0	39.6	12.3	0.2	150	0.0
	HP	1319	0	27.1	-1.9	2.7	183	0.0
	J&K	1913	478	39.1	14.7	-1.6	70	9.3
	Chandigarh	299	0	6.0	6.5	-0.5	22	0.0
	Chhattisgarh	3448	0	83.1	16.8	-1.3	157	0.0
	Gujarat	11056	0	248.6	48.2	-1.4	498	0.0
	MP	6729	0	142.0	71.9	-1.1	510	0.0
WR	Maharashtra	17084	0	381.2	84.9	-0.4	322	0.0
WIN	Goa	390	0	8.4	8.3	-0.5	48	0.0
	DD	307	0	6.9	6.3	0.5	62	0.0
	DNH	689	0	15.7	16.1	-0.5	5	0.0
	Essar steel	483	0	10.4	9.8	0.6	150	0.0
	Andhra Pradesh	6383	0	140	22	1	283	0.0
	Telangana	7156	0	145	78	-3	208	0.0
SR	Karnataka	8029	0	174	71	2	325	0.0
JI.	Kerala	3345	0	63	49	1	163	0.0
	Tamil Nadu	14021	0	296	109	-1	349	0.0
	Pondy	332	0	7	8	0	43	0.0
	Bihar	3964	300	78.7	73.8	3.2	250	0.9
	DVC	2941	0	64.4	-37.2	-0.2	300	0.0
ER	Jharkhand	1179	0	23.6	16.1	1.9	210	0.0
	Odisha	3991	0	79.0	24.5	2.3	250	0.0
	West Bengal	7899	0	146.4	43.5	2.5	380	0.0
	Sikkim	69	0	1.0	1.2	-0.2	5	0.0
	Arunachal Pradesh	100	3	1.9	2.9	-1.0	0	0.0
	Assam	1576	109	29.5	22.8	2.9	204	1.0
	Manipur	139	6	2.0	2.1	-0.1	5	0.1
NER	Meghalaya	254	0	4.5	-0.5	-0.3	15	0.0
	Mizoram	68	4	1.2	1.1	0.0	17	0.0
	Nagaland	105	5	1.9	2.1	-0.3	23	0.0
	Tripura	256	0	4.4	2.7	0.3	90	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	36.1	-5.4	-14.7
Day peak (MW)	1494.6	-340.9	-640.4

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	239.5	-235.6	96.5	-97.3	-2.8	0.4
Actual(MU)	234.6	-236.5	89.9	-87.2	-2.5	-1.7
O/D/U/D(MU)	-4.9	-1.0	-6.6	10.1	0.3	-2.1

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3384	14422	4560	950	305	23621
State Sector	12760	20055	14982	4275	110	52182
Total	16144	34477	19542	5225	414	75803

*Source: RLDCs for solar connected to ISTS; SLDCs for embedded solar. Limited visibility of embedded solar data. सचिव(ऊर्जा)/संयुक्त सचिव(पारेषण)/(ओ एम)/निदेशक(ओ एम)/मुख्य अभियंता-के॰वि॰प्रा॰(ग्रि॰प्र॰)/ मुख्य कार्यपालक अधिकारी(पोसोको)/सभी राज्यो के मुख्य सचिव/ऊर्जा सचिव

15-Jul-17

1	of ER (With NR) GAYA-VARANASI SASARAM-FATEHPUR GAYA-BALIA ALIPURDUAR-AGRA PUSAULI B/B PUSAULI -ALLAHABAD MUZAFFARPUR-GORAKHPUR V PATNA-BALIA BIHARSHARIFF-BALIA BARH-GORAKHPUR BIHARSHARIFF-VARANASI V PUSAULI-SAHUPURI SONE NAGAR-RIHAND GARWAH-RIHAND V KARMANASA-SAHUPURI KARMANASA-CHANDAULI OF ER (With WR) V JHARSUGUDA-DHARAMJAIGARH ROURKELA - RAIGARH (SEL LILO BYPASS) JHARSUGUDA-RAIGARH STERLITE-RAIGARH RANCHI-SIPAT V BUDHIPADAR-RAIGARH RANCHI-SIPAT V BUDHIPADAR-RAIGARH BUHIPADAR-RAIGARH STERLITE-RAIGARH C JEYPORE-GAZUWAKA B/B TALCHER-KOLAR BIPOLE V TALCHER-I/C V BALIMELA-UPPER-SILERRU FRINACIURL RONG AIGAON RINACIURL RONG AIGAON RINACIURL RONG AIGAON RINACIURL RONG AIGAON RINACIURL RONG AIGAON	D/C S/C S/C D/C D/C S/C S/C S/C S/C D/C D/C D/C D/C S/C D/C D/C S/C D/C S/C D/C D/C S/C D/C D/C S/C D/C D/C D/C D/C S/C D/C D/C	Max Import (MW) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Max Export (MW) 332 46 439 0 198 152 64 713 894 337 510 4 0 0 0 0 ER-NR 24 123 0 0 0 0 ER-WR 0 0 0 ER-WR	Import (MU)	Export (MU) 10.4 0.0 7.3 0.0 4.6 0.0 0.0 13.1 13.4 6.8 9.5 2.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.1 0.0 1.1 15.2 16.2 34.3 16.4 0.0 65.7	Import=(+ve) /Export =(-ve) for NET (MU) NET (MU) -10.4 0.5 -7.3 0.0 -4.6 0.0 0.0 -13.1 -13.4 -6.8 -9.5 -2.3 0.0 0.0 0.4 0.0 -66.6 7.9 4.9 1.7 1.6 1.7 3.5 4.6 -1.1 3.8 28.8 -15.2 -16.2 -34.3 -16.4 0.0 -65.7
Lew mport/Export 1	of ER (With NR) GAYA-VARANASI SASARAM-FATEHPUR GAYA-BALIA ALIPURDUAR-AGRA PUSAULI B/B PUSAULI-VARANASI PUSAULI-VARANASI PUSAULI-ALLAHABAD MUZAFFARPUR-GORAKHPUR PATNA-BALIA BHARSHARIFF-BALIA BHARSHARIFF-BALIA BARH-GORAKHPUR SONE NAGAR-RIHAND GARWAH-RIHAND KARMANASA-SAHUPURI KARMANASA-CHANDAULI OF ER (With WR) HHARSUGUDA-DHARAMJAIGARH ROURKELA - RAIGARH ROURKELA - RAIGARH STERLITE-RAIGARH STERLITE-RAIGARH STERLITE-RAIGARH RANCHI-SIPAT V BUDHIPADAR-RAIGARH BUDHIPADAR-RAIGARH BUDHIPADAR-RORBA OF ER (With SR) V ANGUL-SRIKAKULAM DIEVPORE-GAZUWAKA B/B TALCHER-I/C V BALIMELA-UPPER-SILERRU OF ER (With NER) V BINAGURI-BONGAIGAON	D/C S/C S/C D/C D/C S/C S/C D/C D/C D/C D/C D/C D/C D/C S/C S/C S/C S/C S/C S/C S/C S/C D/C D/C	Import (MW)	Export (MW) 332 46 439 0 198 152 64 713 894 337 510 0 0 0 0 0 0 ER-NR 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.0 0.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	(MU) 10.4 0.0 7.3 0.0 4.6 0.0 0.0 13.1 13.4 6.8 9.5 2.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.1 1.1 15.2 16.2 34.3 16.4 0.0	NET (MU) -10.4 0.5 -7.3 0.0 -4.6 0.0 0.0 -13.1 -13.4 -6.8 -9.5 -2.3 0.0 0.4 0.0 0.0 -66.6 7.9 4.9 1.7 1.6 1.7 3.5 4.6 -1.1 3.8 28.8
Lew mport/Export 1	of ER (With NR) GAYA-VARANASI SASARAM-FATEHPUR GAYA-BALIA ALIPURDUAR-AGRA PUSAULI B/B PUSAULI-VARANASI PUSAULI-VARANASI PUSAULI-ALLAHABAD MUZAFFARPUR-GORAKHPUR PATNA-BALIA BHARSHARIFF-BALIA BHARSHARIFF-BALIA BARH-GORAKHPUR SONE NAGAR-RIHAND GARWAH-RIHAND KARMANASA-SAHUPURI KARMANASA-CHANDAULI OF ER (With WR) HHARSUGUDA-DHARAMJAIGARH ROURKELA - RAIGARH ROURKELA - RAIGARH STERLITE-RAIGARH STERLITE-RAIGARH STERLITE-RAIGARH RANCHI-SIPAT V BUDHIPADAR-RAIGARH BUDHIPADAR-RAIGARH BUDHIPADAR-RORBA OF ER (With SR) V ANGUL-SRIKAKULAM DIEVPORE-GAZUWAKA B/B TALCHER-I/C V BALIMELA-UPPER-SILERRU OF ER (With NER) V BINAGURI-BONGAIGAON	D/C S/C S/C D/C D/C S/C S/C D/C D/C D/C D/C D/C D/C D/C S/C S/C S/C S/C S/C S/C S/C S/C D/C D/C	(MW) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	(MW) 332 46 439 0 198 152 64 713 894 337 510 4 0 0 0 ER-NR 24 123 0 0 0 118 0 ER-WR 0 0 0 ER-WR	0.0 0.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	(MU) 10.4 0.0 7.3 0.0 4.6 0.0 0.0 13.1 13.4 6.8 9.5 2.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.1 1.1 15.2 16.2 34.3 16.4 0.0	-10.4 0.5 -7.3 0.0 -4.6 0.0 0.0 -13.1 -13.4 -6.8 -9.5 -2.3 0.0 0.0 0.4 0.0 0.0 -66.6 7.9 4.9 1.7 1.6 1.7 3.5 4.6 -1.1 3.8 28.8
3	V SASARAM-FATEHPUR GAYA-BALIA ALIPURDUAR-AGRA PUSAULI B/B PUSAULI-VARANASI PUSAULI-VARANASI PUSAULI-ALLAHABAD MUZAFFARPUR-GORAKHPUR V PATNA-BALIA BIHARSHARIFF-BALIA BBARH-GORAKHPUR BIHARSHARIFF-VARANASI V PUSAULI-SAHUPURI SONE NAGAR-RIHAND GARWAH-RIHAND KARMANASA-SAHUPURI KARMANASA-CHANDAULI OF ER (With WR) V JHARSUGUDA-DHARAMJAIGARH S/C NEW RANCH-DHARAMJAIGARH ROURKELA - RAIGARH GURKELA - RAIGARH STERLITE-RAIGARH STERLITE-RAIGARH RANCH-SIPAT BUDHIPADAR-RAIGARH BUDHIPADAR-KORBA OF ER (With SR) V ANGUL-SRIKAKULAM C ISPYORE-GAZUWAKA B/B TALCHER-I/C V BALIMELA-UPPER-SILERRU OF ER (With NER) V BINAGURI-BONGAIGAON	S/C S/C S/C S/C S/C S/C S/C D/C D/C D/C S/C D/C D/C D/C S/C D/C D/C S/C S/C D/C S/C S/C D/C D/C S/C S/C D/C D/C D/C S/C D/C D/C S/C D/C D/C S/C D/C D/C S/C D/C D/C D/C D/C S/C D/C D/C	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	46 439 0 198 152 64 713 894 337 510 0 0 0 0 0 ER-NR 24 123 0 0 18 0 0 18 0 0 18 0 ER-WR	0.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 7.3 0.0 4.6 4.6 0.0 0.0 13.1 13.4 6.8 9.5 2.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.1 0.0 1.1 15.2 16.2 34.3 16.4 0.0	0.5 -7.3 0.0 -4.6 -0.0 0.0 -13.1 -13.4 -6.8 -9.5 -2.3 0.0 0.4 0.0 0.0 -66.6 -7.9 -1.7 -1.6 -1.1 -3.8 -28.8 -1.5.2 -1.6.2 -34.3 -1.6.4 -0.0
3	GAYA-BALIA ALIPURDUAR-AGRA PUSAULI B/B PUSAULI -ALLAHABAD MUZAFFARPUR-GORAKHPUR V PATNA-BALIA BIHARSHARIFF-BALIA BARH-GORAKHPUR SONE NAGAR-RIHAND GARWAH-RIHAND KARMANASA-SAHUPURI KARMANASA-CHANDAULI OF ER (With WR) V JHARSUGUDA-DHARAMJAIGARH S/C NEW RANCHI-DHARAMJAIGARH ROURKELA - RAIGARH (SEL LILO BYPASS) JHARSUGUDA-BARAMJAIGARH ROURKELA - RAIGARH STERLITE-RAIGARH RANCHI-SIPAT V BUDHIPADAR-RAIGARH BUDHIPADAR-RAIGARH STERLITE-RAIGARH RANCHI-SIPAT V ANGUL-SRIKAKULAM C JEYPORE-GAZUWAKA B/B TALCHER-K/C V BALIMELA-UPPER-SILERRU OF ER (With NER) V BINAGURI-BONGAIGAON	S/C S/C	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	439 0 198 152 64 713 894 337 510 4 0 0 0 0 ER-NR 24 123 0 0 118 0 ER-WR 0.0 338.2 2501.3 1055.1 0.0 ER-SR	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	7.3 0.0 4.6 0.0 0.0 13.1 13.4 6.8 9.5 2.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.1 0.0 1.1 15.2 16.2 34.3 16.4 0.0	-7.3 0.0 -4.6 0.0 0.0 -13.1 -13.4 -6.8 -9.5 -2.3 0.0 0.4 0.0 0.0 -66.6 7.9 4.9 1.7 1.6 1.7 3.5 4.6 -1.1 3.8 28.8
4	ALIPURDUAR-AGRA PUSAULI B/B PUSAULI - SALIAHABAD MUZAFFARPUR-GORAKHPUR V PATNA-BALIA BIHARSHARIFF-BALIA BARH-GORAKHPUR BIHARSHARIFF-VARANASI V PUSAULI-SAHUPURI SONE NAGAR-RIHAND GARWAH-RIHAND V KARMANASA-SAHUPURI KARMANASA-CHANDAULI OF ER (With WR) HARSUGUDA-DHARAMJAIGARH S/C NEW RANCHI-DHARAMJAIGARH ROURKELA - RAIGARH (SEL LILO BYPASS) V HARSUGUDA-BARAMJAIGARH ROURKELA - RAIGARH STERLITE-RAIGARH STERLITE-RAIGARH STERLITE-RAIGARH BUDHIPADAR-RAIGARH BUDHIPADAR-RAIGARH BUDHIPADAR-RAIGARH STERLITE-RAIGARH BUDHIPADAR-RAIGARH BUDHIPADAR-RAIGARH BUDHIPADAR-RAIGARH STERLITE-RAIGARH BUDHIPADAR-RAIGARH BUDHIPADAR-RAIGARH BUDHIPADAR-RAIGARH STERLITE-RAIGARH BUDHIPADAR-RAIGARH BUDHIPADAR-RAIGARH BUDHIPADAR-RAIGARH STERLITE-RAIGARH BUDHIPADAR-RAIGARH BUDHIPADAR-RAIGARH BUDHIPADAR-RAIGARH STERLITE-RAIGARH BUDHIPADAR-RAIGARH	S/C S/C S/C D/C D/C S/C D/C D/C S/C S/C D/C D/C	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 198 152 64 713 894 337 510 0 0 0 0 ER-NR 24 123 0 0 118 0 ER-WR 0.0 338.2 2501.3 1055.1 0.0 ER-SR	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 4.6 0.0 0.0 13.1 13.4 6.8 9.5 2.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.1 0.0 1.1 15.2 16.2 34.3 16.4 0.0	0.0 -4.6 0.0 0.0 -1.3.1 -1.3.4 -6.8 -9.5 -2.3 0.0 0.0 0.4 0.0 0.0 -66.6 7.9 4.9 1.7 1.6 1.7 3.5 4.6 -1.1 3.8 28.8
5 6 7 8 9 400 K 10 11 12 13 220 K 15 16 17 15 16 17 16 17 18 765 K 19 20 21 22 23 24 25 26 220 K 19 20 21 22 23 24 25 26 220 K 19 20 21 30 400 K 31 220 K 19 20 K	PUSAULI B/B PUSAULI-VARANASI PUSAULI-VARANASI PUSAULI-ALLAHABAD MUZAFFARPUR-GORAKHPUR V PATNA-BALIA BHARSHARIFF-BALIA BARH-GORAKHPUR BIHARSHARIFF-VARANASI V PUSAULI-SAHUPURI SONE NAGAR-RIHAND KARMANASA-SAHUPURI KARMANASA-CHANDAULI OF ER (With WR) V JHARSUGUDA-DHARAMJAIGARH ROURKELA - RAIGARH (SEL LILO BYPASS) JHARSUGUDA-RAIGARH STERLITE-RAIGARH STERLITE-RAIGARH RANCHI-SIPAT V BUDHIPADAR-KORBA OF ER (With SR) V ANGUL-SRIKAKULAM C JEYPORE-GAZUWAKA B/B TALCHER-I/C V BALIMELA-UPPER-SILERRU OF ER (With NER) V BINAGURI-BONGAIGAON	S/C S/C S/C D/C D/C S/C D/C D/C S/C D/C S/C S/C D/C S/C D/C D/C S/C D/C D/C S/C S/C D/C S/C S/C D/C D/C D/C S/C D/C D/C	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	152 64 713 894 337 510 0 0 0 0 ER-NR 24 123 0 0 0 0 18 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	4.6 0.0 0.0 13.1 13.4 6.8 9.5 2.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	-4.6 0.0 0.0 0.0 -13.1 -6.8 -9.5 -2.3 0.0 0.0 0.4 0.0 0.0 -66.6 7.9 4.9 1.7 1.6 1.7 3.5 4.6 -1.1 3.8 28.8
7 8 9 10 1 11 12 13 220 K 14 15 16 17 132 K 19 765 K 19 10 K 1	PUSAULI -ALLAHABAD MUZAFFARPUR-GORAKHPUR V PATNA-BALIA BIHARSHARIFF-BALIA BARH-GORAKHPUR BIHARSHARIFF-VARANASI V PUSAULI-SAHUPURI SONE NAGAR-RIHAND GARWAH-RIHAND KARMANASA-SAHUPURI KARMANASA-CHANDAULI OF ER (With WR) V JHARSUGUDA-DHARAMJAIGARH S/C NEW RANCHI-DHARAMJAIGARH ROURKELA - RAIGARH (SEL LILO BYPASS) JHARSUGUDA-RAIGARH STERLITE-RAIGARH RANCHI-SIPAT V BUDHIPADAR-RAIGARH BUDHIPADAR-KORBA OF ER (With SR) V ANGUL-SRIKAKULAM C JEYPORE-GAZUWAKA B/B TALCHER-K/C V BALIMELA-UPPER-SILERRU OF ER (With NER) V BINAGURI-BONGAIGAON	S/C D/C D/C S/C D/C S/C S/C D/C S/C D/C D/C S/C S/C	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	64 713 894 337 510 4 0 0 0 0 ER-NR 24 123 0 0 0 0 0 0 0 0 0 0 ER-NR 118 0 0 0 0 ER-WR	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 13.1 13.4 6.8 9.5 2.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.1 0.0 1.1 15.2 16.2 34.3 16.4 0.0	0.0 -13.1 -13.4 -6.8 -9.5 -2.3 0.0 0.0 0.4 0.0 0.0 -66.6 7.9 4.9 1.7 1.6 1.7 3.5 4.6 -1.1 3.8 28.8 -15.2 -16.2 -34.3 -16.4 0.0
8 9 400 K 10 11 12 13 220 K 14 15 16 17 17 18 765 K 19 20 21 22 23 24 25 26 220 K 19 25 26 20 K 19 20 21 22 33 30 400 K 31 220 K 19 20 K 19 35 HVD 36 37 HVD 37 38 39 40 40 K 31 220 K 19 20 K 2	MUZAFFARPUR-GORAKHPUR V PATNA-BALIA BIHARSHARIFF-BALIA BARH-GORAKHPUR BIHARSHARIFF-VARANASI V PUSAULI-SAHUPURI SONE NAGAR-RIHAND GARWAH-RIHAND KARMANASA-SAHUPURI KARMANASA-CHANDAULI OF ER (With WR) V HARSUGUDA-DHARAMJAIGARH S/C NEW RANCHI-DHARAMJAIGARH ROURKELA - RAIGARH (SEL LILO BYPASS) JHARSUGUDA-RAIGARH STERLITE-RAIGARH RANCHI-SIPAT V BUDHIPADAR-RAIGARH BUDHIPADAR-KORBA OF ER (With SR) V ANGUL-SRIKAKULAM C IEYPORE-GAZUWAKA B/B TALCHER-KOLAR BIPOLE V TALCHER-I/C V BALIMELA-UPPER-SILERRU OF ER (With NER) V BINAGURI-BONGAIGAON	D/C D/C D/C D/C D/C D/C S/C S/C	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	713 894 337 510 4 0 0 0 0 0 ER-NR 24 123 0 0 0 118 0 ER-WR 0.0 338.2 2501.3 1055.1 0.0 ER-SR	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	13.1 13.4 6.8 9.5 2.3 0.0 0.0 0.0 0.0 67.4 0.0 0.0 0.0 0.0 0.0 1.1 15.2 16.2 34.3 16.4 0.0	-13.1 -13.4 -6.8 -9.5 -2.3 -0.0 -0.0 -0.4 -0.0 -0.0 -66.6
9 400 K 10 11 12 13 220 K 14 15 16 17 18 19 765 K 19 20 21 22 23 24 25 26 20 400 K 27 27 765 K 28 HVD 30 400 K 31 220 K 29 LINI 30 400 K 31 220 K	V PATNA-BALIA BIHARSHARIFF-BALIA BARH-GORAKHPUR BIHARSHARIFF-VARANASI V PUSAULI-SAHUPURI SONE NAGAR-RIHAND V KARMANASA-SAHUPURI KARMANASA-CHANDAULI OF ER (With WR) V HARSUGUDA-DHARAMJAIGARH S/C NEW RANCHI-DHARAMJAIGARH ROURKELA - RAIGARH (SEL LILO BYPASS) V HARSUGUDA-RAIGARH STERLITE-RAIGARH RANCHI-SIPAT BUDHIPADAR-RAIGARH BUDHIPADAR-RAIGARH BUDHIPADAR-RAIGARH STERLITE-RAIGARH RANCHI-SIPAT BUDHIPADAR-RAIGARH BUDHIPADAR-RAIGARH SUPPORE-GAZUWAKA B/B TALCHER-KOLAR BIPOLE V TALCHER-I/C V BALIMELA-UPPER-SILERRU OF ER (With NER) V BINAGURI-BONGAIGAON	Q/C D/C D/C S/C D/C D/C	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	894 337 510 4 0 0 0 0 0 ER-NR 24 123 0 0 118 0 ER-WR 0.0 338.2 2501.3 1055.1 0.0 ER-SR	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	13.4 6.8 9.5 2.3 0.0 0.0 0.0 0.0 67.4 0.0 0.0 0.0 0.0 1.1 15.2 16.2 34.3 16.4 0.0	-13.4 -6.8 -9.5 -2.3 0.0 0.4 0.0 0.0 -66.6 -7.9 4.9 1.7 1.6 1.7 3.5 4.6 -1.1 3.8 28.8 -15.2 -16.2 -34.3 -16.4 0.0
10	BIHARSHARIFF-BALIA BARH-GORAKHPUR BIHARSHARIFF-VARANASI V PUSAULI-SAHUPURI SONE NAGAR-RIHAND V GARWAH-RIHAND KARMANASA-SAHUPURI KARMANASA-SAHUPURI KARMANASA-CHANDAULI OF ER (With WR) V HARSUGUDA-DHARAMJAIGARH S/C NEW RANCHI-DHARAMJAIGARH ROURKELA - RAIGARH (SEL LILO BYPASS) V HIBEUL-RAIGARH STERLITE-RAIGARH RANCHI-SIPAT BUDHIPADAR-RAIGARH BUDHIPADAR-RAIGARH BUDHIPADAR-RAIGARH STERLITE-RAIGARH RANCHI-SIPAT BUDHIPADAR-RAIGARH BUDHIPADAR-RAIGARH SUPPORE-GAZUWAKA B/B TALCHER-KOLAR BIPOLE V TALCHER-I/C V BALIMELA-UPPER-SILERRU OF ER (With NER) V BINAGURI-BONGAIGAON	D/C D/C D/C S/C S/C S/C S/C S/C S/C S/C D/C D/C D/C D/C D/C D/C D/C D/C D/C D	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	337 510 4 0 0 0 0 0 0 ER-NR 24 123 0 0 118 0 ER-WR 0 0.338.2 2501.3 1055.1 0.0 ER-SR	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	6.8 9.5 2.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	-6.8 -9.5 -2.3 0.0 0.0 0.4 0.0 0.0 -66.6 -7.9 4.9 1.7 1.6 1.7 3.5 4.6 -1.1 3.8 28.8 -15.2 -34.3 -16.4 0.0
11 12 13 220 K 14 15 16 17 18 19 765 K 19 20 21 22 23 24 25 26 220 K 27 765 K 28 HVD 30 400 K 31 220 K 31 220 K 31 220 K 33 400 K 31 220 K 31 220 K 31 320 K 34 220 K 35 HVD 36 37 HVD 38 39 40 40 K 38 39 40 40 K 38 39 40 K 38 39 40 K 41 765 K 41 40 K 40	BARH-GORAKHPUR BIHARSHARIFF-VARANASI V PUSAULI-SAHUPURI SONE NAGAR-RIHAND GARWAH-RIHAND KARMANASA-SAHUPURI KARMANASA-CHANDAULI OF ER (With WR) HHARSUGUDA-DHARAMJAIGARH ROURKELA - RAIGARH (SEL LILO BYPASS) JHARSUGUDA-RAIGARH STERLITE-RAIGARH STERLITE-RAIGARH RANCHI-SIPAT V BUDHIPADAR-KORBA OF ER (With SR) V ANGUL-SRIKAKULAM C JEYPORE-GAZUWAKA B/B TALCHER-I/C V BALIMELA-UPPER-SILERRU OF ER (With NER) V BINAGURI-BONGAIGAON	D/C D/C S/C S/C S/C S/C S/C S/C S/C S/C D/C D/C D/C D/C D/C D/C D/C D/C D/C D	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	510 4 0 0 0 0 0 0 ER-NR 24 123 0 0 0 18 0 0 338.2 2501.3 1055.1 0.0 ER-SR	0.0 0.0 0.0 0.0 0.0 0.4 0.0 0.8 7.9 4.9 1.7 1.6 1.7 3.5 4.6 0.0 3.8 29.9	9.5 2.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	-9.5 -2.3 -0.0 -0.0 -0.4 -0.0 -66.6 -7.9 -4.9 -1.7 -1.6 -1.7 -3.5 -4.6 -1.1 -3.8 -28.8 -15.2 -34.3 -16.4 -0.0
12 13 14 14 15 16 17 18 19 765 K 19 20 21 22 23 24 25 26 20 K 29 LINI 30 400 K 29 LINI 30 400 K 31 220 K 29 LINI 31 30 400 K 31 220 K 29 LINI 31 30 400 K 31 220 K 29 LINI 31 30 400 K 31 31 32 400 K 31 32 400 K 31 400 K 400	BIHARSHARIFF-VARANASI V PUSAULI-SAHUPURI SONE NAGAR-RIHAND KARMANASA-SAHUPURI KARMANASA-SAHUPURI KARMANASA-CHANDAULI OF ER (With WR) JHARSUGUDA-DHARAMJAIGARH S/C NEW RANCHI-DHARAMJAIGARH ROURKELA - RAIGARH (SEL LILO BYPASS) JHARSUGUDA-RAIGARH STERLITE-RAIGARH STERLITE-RAIGARH RANCHI-SIPAT V BUDHIPADAR-KORBA OF ER (With SR) V ANGUL-SRIKAKULAM C JEYPORE-GAZUWAKA B/B TALCHER-KOLAR BIPOLE V TALCHER-I/C V BALIMELA-UPPER-SILERRU OF ER (With NER) V BINAGURI-BONGAIGAON	D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C D/C D/C D/C D/C D/C D/C D/C D/C D/C D	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 0 0 0 0 0 0 0 0 0 123 0 0 0 0 18 0 0 0 0 0 0 0 0 0 0 0 0 0	0.0 0.0 0.0 0.0 0.4 0.0 0.0 0.8 7.9 4.9 1.7 1.6 1.7 3.5 4.6 0.0 3.8 29.9	2.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	-2.3 0.0 0.0 0.4 0.0 0.0 0.0 -66.6 7.9 4.9 1.7 1.6 1.7 3.5 4.6 -1.1 3.8 28.8 -15.2 -16.2 -34.3 -16.4 0.0
13	V PUSAULI-SAHUPURI SONE NAGAR-RIHAND GARWAH-RIHAND KARMANASA-SAHUPURI KARMANASA-CHANDAULI OF ER (With WR) V JHARSUGUDA-DHARAMJAIGARH S/C NEW RANCHI-DHARAMJAIGARH ROURKELA - RAIGARH (SEL LILO BYPASS) JHARSUGUDA-RAIGARH STERLITE-RAIGARH RANCHI-SIPAT BUDHIPADAR-RAIGARH BUDHIPADAR-KORBA OF ER (With SR) V ANGUL-SRIKAKULAM C JEYPORE-GAZUWAKA B/B TALCHER-K/C V BALIMELA-UPPER-SILERRU OF ER (With NER) V BINAGURI-BONGAIGAON	S/C D/C D/C D/C S/C D/C D/C D/C D/C D/C D/C S/C D/C D/C D/C S/C D/C S/C S/C S/C D/C S/C S/C D/C S/C S/C D/C S/C D/C S/C D/C D/C D/C D/C D/C S/C D/C D/C D/C S/C D/C D/C	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 ER-NR 24 123 0 0 0 18 0 0 ER-WR	0.0 0.0 0.4 0.0 0.0 0.8 7.9 4.9 1.7 1.6 1.7 3.5 4.6 0.0 3.8 29,9	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.4 0.0 0.0 0.0 -66.6 7.9 4.9 1.7 1.6 1.7 3.5 4.6 -1.1 3.8 28.8 -15.2 -16.2 -34.3 -16.4 0.0
14	SONE NAGAR-RIHAND GARWAH-RIHAND KARMANASA-SAHUPURI KARMANASA-CHANDAULI OF ER (With WR) V JHARSUGUDA-DHARAMJAIGARH S/C NEW RANCHI-DHARAMJAIGARH ROURKELA - RAIGARH (SEL LILO BYPASS) JHARSUGUDA-RAIGARH ROURKELA - RAIGARH (SEL LILO BYPASS) V JHARSUGUDA-RAIGARH STERLITE-RAIGARH RANCHI-SIPAT V BUDHIPADAR-RAIGARH BUDHIPADAR-KORBA OF ER (With SR) V ANGUL-SRIKAKULAM DEYPORE-GAZUWAKA B/B TALCHER-KOLAR BIPOLE V TALCHER-I/C V BALIMELA-UPPER-SILERRU OF ER (With NER) V BINAGURI-BONGAIGAON	S/C D/C S/C D/C D/C S/C D/C S/C D/C D/C D/C S/C D/C D/C	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 ER-NR 24 123 0 0 0 18 0 0 118 0 ER-WR 0 0.0 338.2 2501.3 1055.1 0.0 ER-SR	0.0 0.4 0.0 0.0 0.8 7.9 4.9 1.7 1.6 1.7 3.5 4.6 0.0 3.8 29,9	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.4 0.0 0.0 0.0 -66.6 7.9 4.9 1.7 1.6 1.7 3.5 4.6 -1.1 3.8 28.8 -15.2 -16.2 -34.3 -16.4 0.0
152 K 173 184 174 184 175 184 195 185 195 18	KARMANASA-SAHUPURI KARMANASA-SAHUPURI KARMANASA-CHANDAULI OF ER (With WR) V JHARSUGUDA-DHARAMJAIGARH S/C NEW RANCHI-DHARAMJAIGARH ROURKELA - RAIGARH (SEL LILO BYPASS) JHARSUGUDA-RAIGARH STERLITE-RAIGARH RANCHI-SIPAT V BUDHIPADAR-RAIGARH BUDHIPADAR-RAIGARH BUDHIPADAR-KORBA OF ER (With SR) V ANGUL-SRIKAKULAM C JEYPORE-GAZUWAKA B/B TALCHER-KOLAR BIPOLE V TALCHER-I/C V BALIMELA-UPPER-SILERRU OF ER (With NER) V BINAGURI-BONGAIGAON	S/C S/C S/C D/C S/C S/C S/C S/C S/C D/C S/C D/C S/C D/C S/C D/C S/C D/C S/C D/C D/C D/C S/C D/C D/C	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 ER-NR 24 123 0 0 0 0 0 118 0 ER-WR 0.0 0.338.2 2501.3 0.0 ER-SR	0.0 0.0 0.8 7.9 4.9 1.7 1.6 1.7 3.5 4.6 0.0 3.8 29.9	0.0 0.0 67.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.1 0.0 1.1 15.2 16.2 34.3 16.4 0.0	0.0 0.0 -66.6 7.9 4.9 1.7 1.6 1.7 3.5 4.6 -1.1 3.8 28.8 -15.2 -16.2 -34.3 -16.4 0.0
16 17	KARMANASA-SAHUPURI KARMANASA-SAHUPURI KARMANASA-CHANDAULI OF ER (With WR) V JHARSUGUDA-DHARAMJAIGARH S/C NEW RANCHI-DHARAMJAIGARH ROURKELA - RAIGARH (SEL LILO BYPASS) JHARSUGUDA-RAIGARH STERLITE-RAIGARH STERLITE-RAIGARH RANCHI-SIPAT W BUDHIPADAR-KORBA OF ER (With SR) V ANGUL-SRIKAKULAM C ISPYPORE-GAZUWAKA B/B TALCHER-KOLAR BIPOLE V TALCHER-I/C V BALIMELA-UPPER-SILERRU OF ER (With NER) V BINAGURI-BONGAIGAON	D/C D/C S/C S/C S/C D/C D/C	0 0 0 0 0 0 0 0 0 0 0 0	0 ER-NR 24 123 0 0 0 18 18 0 118 0 ER-WR 0.0 338.2 2501.3 1055.1 0.0 ER-SR	0.0 0.8 7.9 4.9 1.7 1.6 1.7 3.5 4.6 0.0 3.8 29.9 0.0 0.0 0.0 0.0	0.0 67.4 0.0 0.0 0.0 0.0 0.0 0.0 1.1 0.0 1.1 15.2 16.2 34.3 16.4 0.0	0.0 -66.6 7.9 4.9 1.7 1.6 1.7 3.5 4.6 -1.1 3.8 28.8 -15.2 -34.3 -16.4 0.0
Property Property	of ER (With WR) V HARSUGUDA-DHARAMJAIGARH S/C NEW RANCHI-DHARAMJAIGARH ROURKELA - RAIGARH (SEL LILO BYPASS) JHARSUGUDA-RAIGARH STERLITE-RAIGARH STERLITE-RAIGARH RANCHI-SIPAT BUDHIPADAR-RAIGARH BUDHIPADAR-RAIGARH BUDHIPADAR-KORBA STERLITE-RAIGARH BUDHIPADAR-KORBA STERLITE-RAIGARH BUDHIPADAR-KORBA STERLITE-RAIGARH SUPPORE-GAZUWAKA B/B TALCHER-KOLAR BIPOLE TALCHER-I/C BALIMELA-UPPER-SILERRU SINAGURI-BONGAIGAON SINAGUR	D/C D/C S/C S/C D/C S/C D/C D/C	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ER-NR 24 123 0 0 18 0 118 0 ER-WR 0.0 338.2 2501.3 1055.1 0.0 ER-SR	0.8 7.9 4.9 1.7 1.6 1.7 3.5 4.6 0.0 3.8 29.9 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.1 0.0 1.1 15.2 16.2 34.3 16.4 0.0	7.9 4.9 1.7 1.6 1.7 3.5 4.6 -1.1 3.8 28.8 -15.2 -16.2 -34.3 -16.4 0.0
18	V JHARSUGUDA-DHARAMJAIGARH S/C NEW RANCHI-DHARAMJAIGARH ROURKELA - RAIGARH (SEL LILO BYPASS) JHARSUGUDA-RAIGARH STERLITE-RAIGARH STERLITE-RAIGARH RANCHI-SIPAT BUDHIPADAR-RAIGARH BUDHIPADAR-KORBA OF ER (With SR) V ANGUL-SRIKAKULAM C ISPYORE-GAZUWAKA B/B TALCHER-KOLAR BIPOLE V TALCHER-I/C V BALIMELA-UPPER-SILERRU OF ER (With NER) V BINAGURI-BONGAIGAON	D/C S/C S/C S/C S/C D/C D/C D/C D/C D/C D/C D/C D/C D/C D	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	24 123 0 0 0 18 0 0 18 0 ER-WR 0 338.2 2501.3 1055.1 0.0 ER-SR	7.9 4.9 1.7 1.6 1.7 3.5 4.6 0.0 3.8 29.9 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.1 0.0 1.1 15.2 16.2 34.3 16.4 0.0	7.9 4.9 1.7 1.6 1.7 3.5 4.6 -1.1 3.8 28.8 -15.2 -16.2 -34.3 -16.4 0.0
18	V JHARSUGUDA-DHARAMJAIGARH S/C NEW RANCHI-DHARAMJAIGARH ROURKELA - RAIGARH (SEL LILO BYPASS) JHARSUGUDA-RAIGARH STERLITE-RAIGARH STERLITE-RAIGARH RANCHI-SIPAT BUDHIPADAR-RAIGARH BUDHIPADAR-KORBA OF ER (With SR) V ANGUL-SRIKAKULAM C ISPYORE-GAZUWAKA B/B TALCHER-KOLAR BIPOLE V TALCHER-I/C V BALIMELA-UPPER-SILERRU OF ER (With NER) V BINAGURI-BONGAIGAON	D/C S/C S/C S/C S/C D/C D/C D/C D/C D/C D/C D/C D/C D/C D	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	123 0 0 0 18 0 118 0 118 0 ER-WR 0.0 338.2 2501.3 1055.1 0.0 ER-SR	4.9 1.7 1.6 1.7 3.5 4.6 0.0 3.8 29,9 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 1.1 15.2 16.2 34.3 16.4 0.0	4.9 1.7 1.6 1.7 3.5 4.6 -1.1 3.8 28.8 -15.2 -16.2 -34.3 -16.4 0.0
19	NEW RANCHI-DHARAMJAIGARH ROURKELA - RAIGARH (SEL LILO BYPASS) JHARSUGUDA-RAIGARH STERLITE-RAIGARH RANCHI-SIPAT V BUDHIPADAR-RAIGARH BUDHIPADAR-KORBA OF ER (With SR) V ANGUL-SRIKAKULAM C JEYPORE-GAZUWAKA B/B TALCHER-KOLAR BIPOLE V TALCHER-L/C V BALIMELA-UPPER-SILERRU OF ER (With NER) V BINAGURI-BONGAIGAON	D/C S/C S/C S/C S/C D/C D/C D/C D/C D/C D/C D/C D/C D/C D	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	123 0 0 0 18 0 118 0 118 0 ER-WR 0.0 338.2 2501.3 1055.1 0.0 ER-SR	4.9 1.7 1.6 1.7 3.5 4.6 0.0 3.8 29,9 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 1.1 15.2 16.2 34.3 16.4 0.0	4.9 1.7 1.6 1.7 3.5 4.6 -1.1 3.8 28.8 -15.2 -16.2 -34.3 -16.4 0.0
21 22 23 24 25 26 220 K port/Export 27 765 K 28 HVD 29 LINI 30 400 K 31 220 K aport/Export 32 400 K 28 HVD 29 LINI 30 400 K 31 220 K aport/Export 35 HVD aport/Export 35 HVD aport/Export 36 HVD aport/Export 37 HVD aport/Export 38 39 40 765 K	ROURKELA - RAIGARH (SEL LILO BYPASS) JHARSUGUDA-RAIGARH IBEUL-RAIGARH RANCHI-SIPAT V BUDHIPADAR-RAIGARH BUDHIPADAR-KORBA OF ER (With SR) V ANGUL-SRIKAKULAM JEYPORE-GAZUWAKA B/B TALCHER-KOLAR BIPOLE V TALCHER-I/C V BALIMELA-UPPER-SILERRU OF ER (With NER) BINAGURI-BONGAIGAON	S/C S/C D/C D/C	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 18 0 118 0 ER-WR 0.0 338.2 2501.3 1055.1 0.0 ER-SR	1.6 1.7 3.5 4.6 0.0 3.8 29.9 0.0 0.0 0.0	0.0 0.0 0.0 0.0 1.1 0.0 1.1 15.2 16.2 34.3 16.4 0.0	1.6 1.7 3.5 4.6 -1.1 3.8 28.8 -15.2 -16.2 -34.3 -16.4 0.0
21 22 23 24 25 26 20 K PART	V JHARSUGUDA-RAIGARH IBEUL-RAIGARH STERLITE-RAIGARH RANCHI-SIPAT V BUDHIPADAR-RAIGARH BUDHIPADAR-KORBA OF ER (With SR) V ANGUL-SRIKAKULAM C JEYPORE-GAZUWAKA B/B TALCHER-KOLAR BIPOLE V TALCHER-I/C V BALIMELA-UPPER-SILERRU OF ER (With NER) V BINAGURI-BONGAIGAON	S/C S/C D/C D/C	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 18 0 118 0 ER-WR 0.0 338.2 2501.3 1055.1 0.0 ER-SR	1.6 1.7 3.5 4.6 0.0 3.8 29.9 0.0 0.0 0.0	0.0 0.0 0.0 0.0 1.1 0.0 1.1 15.2 16.2 34.3 16.4 0.0	1.6 1.7 3.5 4.6 -1.1 3.8 28.8 -15.2 -16.2 -34.3 -16.4 0.0
22 400 K 23 24 25 220 K 220 K 27 765 K 28 HVD 30 400 K 31 220 K 29 LiNi 33 400 K 31 220 K 33 400 K 33	V IBEUL-RAIGARH STERLITE-RAIGARH RANCHI-SIPAT V BUDHIPADAR-RAIGARH BUDHIPADAR-KORBA OF ER (With SR) V ANGUL-SRIKAKULAM C JEYPORE-GAZUWAKA B/B K TALCHER-KOLAR BIPOLE V TALCHER-I/C V BALIMELA-UPPER-SILERRU OF ER (With NER) V BINAGURI-BONGAIGAON	S/C D/C D/C S/C D/C S/C D/C D/C	0 0 0 0 0 0 0	0 18 0 118 0 ER-WR 0.0 338.2 2501.3 1055.1 0.0 ER-SR	1.7 3.5 4.6 0.0 3.8 29.9 0.0 0.0 0.0 0.0	0.0 0.0 0.0 1.1 0.0 1.1 15.2 16.2 34.3 16.4 0.0	1.7 3.5 4.6 -1.1 3.8 28.8 -15.2 -16.2 -34.3 -16.4 0.0
23 24 25 26 220 K pport/Export 27 765 K 28 HVD 29 LINI 30 400 K 31 220 K pport/Export 32 400 K 33 400 K pport/Export 35 HVD pport/Export 36 HVD pport/Export 36 HVD pport/Export 37 HVD pport/Export 38 HVD pport/Export 38 HVD pport/Export 36 HVD	STERLITE-RAIGARH RANCHI-SIPAT V BUDHIPADAR-RAIGARH BUDHIPADAR-KORBA OF ER (With SR) V ANGUL-SRIKAKULAM C JEYPORE-GAZUWAKA B/B TALCHER-KOLAR BIPOLE V TALCHER-I/C V BALIMELA-UPPER-SILERRU OF ER (With NER) V BINAGURI-BONGAIGAON	D/C D/C S/C D/C D/C D/C D/C D/C D/C D/C D/C D/C D	0 0 0 0 0 0.0 0.0 0.0 0.0 0.0	18 0 118 0 ER-WR 0.0 338.2 2501.3 1055.1 0.0 ER-SR	3.5 4.6 0.0 3.8 29.9 0.0 0.0 0.0 0.0	0.0 0.0 1.1 0.0 1.1 15.2 16.2 34.3 16.4 0.0	3.5 4.6 -1.1 3.8 28.8 -15.2 -16.2 -34.3 -16.4 0.0
24 25 26 20 K port/Export 27 765 K 28 HVD0 29 LINI 30 400 K 31 220 K port/Export 32 400 K 33 400 K 34 220 K port/Export 35 HVD port/Export 36 77 37 HVD 38 39 40 K 41	RANCHI-SIPAT V BUDHIPADAR-RAIGARH BUDHIPADAR-KORBA OF ER (With SR) V ANGUL-SRIKAKULAM JEYPORE-GAZUWAKA B/B TALCHER-KOLAR BIPOLE V TALCHER-I/C V BALIMELA-UPPER-SILERRU OF ER (With NER) V BINAGURI-BONGAIGAON	D/C S/C D/C D/C D/C D/C D/C D/C D/C D/C D/C D	0 0 0 0.0 0.0 0.0 0.0 0.0	0 118 0 ER-WR 0.0 338.2 2501.3 1055.1 0.0 ER-SR	4.6 0.0 3.8 29.9 0.0 0.0 0.0 0.0 0.0	0.0 1.1 0.0 1.1 15.2 16.2 34.3 16.4 0.0	4.6 -1.1 3.8 28.8 28.8 -15.2 -16.2 -34.3 -16.4 0.0
25 220 K	V BUDHIPADAR-RAIGARH BUDHIPADAR-KORBA of ER (With SR) V ANGUL-SRIKAKULAM C JEYPORE-GAZUWAKA B/B TALCHER-KOLAR BIPOLE V TALCHER-I/C V BALIMELA-UPPER-SILERRU of ER (With NER) V BINAGURI-BONGAIGAON	S/C D/C D/C D/C D/C D/C D/C D/C D/C D/C D	0 0 0.0 0.0 0.0 0.0 0.0	118 0 ER-WR 0.0 338.2 2501.3 1055.1 0.0 ER-SR	0.0 3.8 29.9 0.0 0.0 0.0 0.0 0.0	1.1 0.0 1.1 15.2 16.2 34.3 16.4 0.0	-1.1 3.8 28.8 -15.2 -16.2 -34.3 -16.4 0.0
26	BUDHIPADAR-KORBA of ER (With SR) V ANGUL-SRIKAKULAM C JEYPORE-GAZUWAKA B/B TALCHER-KOLAR BIPOLE V TALCHER-I/C V BALIMELA-UPPER-SILERRU of ER (With NER) BINAGURI-BONGAIGAON	D/C D/C D/C D/C D/C D/C D/C D/C D/C	0.0 0.0 0.0 0.0 0.0	0 ER-WR 0.0 338.2 2501.3 1055.1 0.0 ER-SR	3.8 29.9 0.0 0.0 0.0 0.0 0.0	0.0 1.1 15.2 16.2 34.3 16.4 0.0	3.8 28.8 -15.2 -16.2 -34.3 -16.4 0.0
27 765 K 28 HVD 29 LINI 30 400 K 31 220 K port/Export 32 400 K 34 220 K port/Export 35 HVD port/Export 36 HVD 37 HVD 38 39 765 K 40 41	V ANGUL-SRIKAKULAM JEYPORE-GAZUWAKA B/B TALCHER-KOLAR BIPOLE V TALCHER-I/C V BALIMELA-UPPER-SILERRU of ER (With NER) V BINAGURI-BONGAIGAON	D/C D/C D/C S/C D/C	0.0 0.0 0.0 0.0	0.0 338.2 2501.3 1055.1 0.0 ER-SR	0.0 0.0 0.0 0.0 0.0	15.2 16.2 34.3 16.4 0.0	-15.2 -16.2 -34.3 -16.4 0.0
27 765 K 28 HVD 29 LINI 30 400 K 31 220 K mport/Export 32 400 K 33 420 K mport/Export 35 HVD mport/Export 36 HVD 37 HVD 38 39 765 K 40 41	V ANGUL-SRIKAKULAM JEYPORE-GAZUWAKA B/B TALCHER-KOLAR BIPOLE V TALCHER-I/C V BALIMELA-UPPER-SILERRU of ER (With NER) V BINAGURI-BONGAIGAON	D/C D/C D/C S/C D/C	0.0 0.0 0.0 0.0	338.2 2501.3 1055.1 0.0 ER-SR	0.0 0.0 0.0 0.0	16.2 34.3 16.4 0.0	-16.2 -34.3 -16.4 0.0
28 HVD 29 LINI 30 400 K 31 220 K mport/Export 32 400 K 33 34 220 K mport/Export 35 HVD mport/Export 36 HVD 37 HVD 38 39 40 K 40 K	Z JEYPORE-GAZUWAKA B/B TALCHER-KOLAR BIPOLE V TALCHER-I/C V BALIMELA-UPPER-SILERRU of ER (With NER) V BINAGURI-BONGAIGAON	D/C D/C D/C S/C D/C	0.0 0.0 0.0 0.0	338.2 2501.3 1055.1 0.0 ER-SR	0.0 0.0 0.0 0.0	16.2 34.3 16.4 0.0	-16.2 -34.3 -16.4 0.0
29 LINI 30 400 K 31 220 K nport/Export 32 400 K 33 4220 K nport/Export 35 HVD nport/Export 36 HVD 37 HVD 38 39 40 765 K 41	TALCHER-KOLAR BIPOLE V TALCHER-I/C V BALIMELA-UPPER-SILERRU of ER (With NER) V BINAGURI-BONGAIGAON	D/C S/C	0.0	1055.1 0.0 ER-SR	0.0	16.4 0.0	-16.4 0.0
31 220 K mport/Export 32 400 K 33 400 K 34 220 K mport/Export 35 HVD 35 HVD 36 37 HVD 38 39 40 765 K	V BALIMELA-UPPER-SILERRU of ER (With NER) BINAGURI-BONGAIGAON	S/C D/C	0.0	0.0 ER-SR	0.0	0.0	0.0
10 10 10 10 10 10 10 10	of ER (With NER) BINAGURI-BONGAIGAON	D/C		ER-SR			
32 400 K 33 400 K mport/Export 35 HVD mport/Export 37 HVD 38 39 765 K 41	v BINAGURI-BONGAIGAON		0		0.0	65.7	-65.7
32 400 K 33 400 K aport/Export 35 HVD aport/Export 36 37 HVD 38 39 40 765 K 41	v BINAGURI-BONGAIGAON		0	066			
33 400 K 34 220 K apport/Export 35 HVD apport/Export 36 HVD 37 HVD 38 HVD 39 40 765 K	V		0	966	0.0	5.9	-6
34 220 K nport/Export 35 HVD nport/Export 36 37 HVD 38 39 40 765 K	LIGHT CONTROL OF THE		0	774	0.0	6.4	-6
35 HVD mport/Export 36 37 HVD 38 39 40 41	V ALIPURDUAR-SALAKATI	D/C	0	0	0.0	2.0	-2
35 HVD mport/Export 36 37 HVD 38 39 40 41	•			ER-NER	0.0	14.2	-14.2
36 HVD 38 39 765 K	of NER (With NR)					•	
36 HVD 38 39 765 K 41	C BISWANATH CHARIALI-AGRA	-	0	1001	0.0	18.5	-18.5
36 HVD 38 39 765 K 41	of WR (With NR)			NER-NR	0.0	18.5	-18.5
37 HVD 38 39 765 K 40 41	CHAMPA-KURUKSHETRA	D/C	0	1500	0.0	32.2	-32.2
38 39 40 765 K		D/C	500	200	10.3	0.1	10.2
40 765 K	APL -MHG	D/C	0	2216	0.0	46.5	-46.5
40	GWALIOR-AGRA	D/C	0	2718	0.0	51.6	-51.6
	PHAGI-GWALIOR	D/C	0	1552	0.0	30.0	-30.0
	ZERDA-KANKROLI	S/C	187	116	0.6	0.0	0.6
42 400 K	V ZERDA -BHINMAL	S/C	156	115	0.2	0.0	0.2
43	V'CHAL -RIHAND	S/C	0	0	0.0	0.0	0.0
44	RAPP-SHUJALPUR	D/C	0 22	265 56	0.0	0.6	-2
46	BADOD-KOTA BADOD-MORAK	S/C S/C	0	81	0.0	1.3	-0.6 -1.3
46 47 220 K	V MEHGAON-AURAIYA	S/C S/C	35	11	1.3	0.0	1.2
48	MALANPUR-AURAIYA	S/C	9	31	0.0	0.4	-0.4
49 132K		S/C	0	0	0.0	0.0	0.0
mort/Evnort	of WR (With SR)			WR-NR	12.4	165.3	-152.8
50 HVD		_	0	1000	0.0	16.5	-16.5
50 HVD		-	0	0	0.0	0.0	0.0
52	SOLAPUR-RAICHUR	D/C	0	1430	0.0	23.7	-23.7
53 765 K	WARDHA-NIZAMABAD	D/C	0	920	0.0	15.0	-15.0
54 400 K		D/C	127	310	0.2	2.1	-1.8
55	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
56 220 K		S/C	0	0	0.0	0.0	0.0
57	XELDEM-AMBEWADI	S/C	73	0	1.5	0.0	1.5
				WR-SR	1.7	57.2	-55.5
58		NIA PERCENT	I 1387 AVE				
59		NATIONA	L EXCHA	NGE			