

Preliminary Route Study For Ramchandrapur S/S to Chaibasa S/S

The Infrastructural Details along the Routes are as follows : ROUTE - I

Topo Sheets (1 : 50,000) Involved	:	73J/01, 73J/02, 73F/13, & 73F/14
District	:	West Singbhum & Saraikela Kharsawan
Total No. Angle Points	:	37 Nos.
Total Route Length	:	39.818Km.
Major Crossings along the route :		
Total H.T. Line	:	1. U/C 400kV D/C Jamshedpur-Baripoda Transmission line(Under Pass Normal Crossing), PGCIL 2. Existing 132kV S/C Ramchandrapur - Rajkharswan Transmission line, JSEB.
Total Railway Line	:	1. S.E. Rail Way Line(Gamhariya-Kandra Chord), Electrified, Broad Gauge, Double line, MP-266D/2 to 266D/3 2. S.E. Rail Way Line(Main line), Electrified, Broad Gauge, Double line, MP-266/5,6 to 266/7,8
National Highway (NH)	:	Nil
State Highway (SH)	:	Nil
River Crossing	:	Major River : Nil
	:	Minor River : 1. Sanjai Nadi(Bank to Bank=220m) 2. Kharkhai River(Bank to Bank=205m) 3. Kharkhai River(Bank to Bank=170s)
Forest	:	Forest=1.241Km
Locations of Setting up line stores	:	Saraikela
Consigning the line Materials	:	Ramchandrapur & Chaibasa
Towns, Cities & villages along the route where petrol & Diesel pumps as well as work shops available	:	Jamshedpur, Saraikela & Chaibasa
Availability of labour of various categories for civil works	:	Jamshedpur, Saraikela & Chaibasa
Working months during season along the route :	:	3 th Week of October to 2 nd Week of July


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- D -

Proposed 220kV D/C Ramchandrapur - Chaibasa Transmission Line

Type of Crops, Fruits, Forest, Land, Hill are along the route	a) Crops	Paddy, Wheat, Cornea, Sugar, Pigeon pea, Chilly, Mustard & Green Vegetables	
	b) Fruits	Mango, Guava, Berry & Jack Fruit	
	c) Forest	1.241Km	
	d) land	Undulation & Plan	
	e) Hill	NIL.	
Availability of steel, cement, sand, stone chips are along the route:	a) Steel	Jamshedpur	
	b) Cement	Jamshedpur	
	c) Sand	Subarnarekha River	
	d) Stone Chips	Jamshedpur	
Details of availability of accommodations	a) Cities & Towns	Jamshedpur, Saraikela & Chaibasa	
	b) Major Railway station	Tata RS(Jamshedpur)	
	c) Airport	Sanari(Jamshedpur)	
Climate	a) Monsoon	3ed Week of July to 3ed Week of October	
	b) Maximum Temperature	49°C	
	c) Minimum Temperature	6°C	
Transportation	:	Jamshedpur	
Location	Ramchandrapur S/S	WGS-84	Indo-Bangla
		22°49'59.0"	22°49'56.5"
	Proposed Chaibasa S/S	86°04'32.2"	86°04'40.6"
		22°36'03.2"	22°36'00.7"
		85°50'29.1"	85°50'37.3"


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The Infrastructural Details along the Routes are as follows : ROUTE - II

Topo Sheets (1 : 50,000) Involved	:	73J/01, 73F/13, & 73F/14
District	:	West Singbhum & Saraikela Kharsawan
Total No. Angle Points	:	47 Nos.
Total Route Length	:	43.383Km.
Major Crossings along the route :		
Total H.T. Line	:	<ol style="list-style-type: none"> 1. Existing 400kV D/C Jamshedpur-Baripoda Transmission line(Under Pass), PGCIL 2. Existing 132kV S/C Ramchandrapur - Rajkharswan Transmission line, JSEB. 3. 220kV S/C Ramchandrapur-Joda Transmission line, JSEB 4. 220kV S/C Ramchandrapur-Joda Transmission line, JSEB 5. 220kV S/C Ramchandrapur-Joda Transmission line, JSEB
Total Railway Line	:	<ol style="list-style-type: none"> 1. S.E. Rail Way Line(Gamhariya-Kandra Chord), Electrified, Broad Gauge, Double line, MP-266D/2 to 266D/3 2. S.E. Rail Way Line(Main line), Electrified, Broad Gauge, Double line, MP-266/5,6 to 266/7,8
National Highway (NH)	:	Nil
State Highway (SH)	:	SH-05(4 Times)
River Crossing	:	Major River : Nil
	:	Minor River : Sona Nadi(Bank to Bank=70m) Sanjai Nadi(Bank to Bank=100m)
Forest	:	Forest=1.850Km
Locations of Setting up line stores	:	Saraikela
Consigning the line Materials	:	Ramchandrapur & Chaibasa
Towns, Cities & villages along the route where petrol & Diesel pumps as well as work shops available	:	Jamshedpur, Saraikela & Chaibasa
Availability of labour of various categories for civil works	:	Jamshedpur, Saraikela & Chaibasa
Working months during season along the route :	:	3 rd Week of October to 2 nd Week of July
Type of Crops, Fruits, Forest, Land, Hill are along the route	a) Crops	Paddy, Wheat, Cornea, Sugar, Pigeon pea, Chilly, Mustard & Green Vegetables
	b) Fruits	Mango, Guava, Berry & Jack Fruit
	c) Forest	1.850Km.
	d) land	Undulation & Plan
	e) Hill	Nil.

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Proposed 220kV D/C Ramchandrapur - Chaibasa Transmission Line

Availability of steel, cement, sand, stone chips are along the route:	:	a) Steel	Jamshedpur	
	:	b) Cement	Jamshedpur	
	:	c) Sand	Subarnarekha River	
	:	d) Stone Chips	Jamshedpur	
Details of availability of accommodations	:	a) Cities & Towns	Jamshedpur, Saraikela & Chaibasa	
	:	b) Major Railway station	Tata RS(Jamshedpur)	
	:	c) Airport	Sanari(Jamshedpur)	
Climate	:	a) Monsoon	3ed Week of July to 3 ^{ed} Week of October	
	:	b) Maximum Temperature	49°C	
	:	c) Minimum Temperature	6°C	
Transportation	:	Jamshedpur		
Location	:	Ramchandrapur S/S	WGS-84	Indo-Bangla
			22°49'59.0"	22°49'56.5"
			86°04'32.2"	86°04'40.6"
		Proposed Chaibasa S/S	22°36'03.2"	22°36'00.7"
			85°50'29.1"	85°50'37.3"


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Proposed 220kV D/C Ramchandrapur - Chaibasa Transmission Line

The Infrastructural Details along the Routes are as follows : **ROUTE - III**

Topo Sheets (1 : 50,000) Involved	:	73J/01, 73J/2, & 73F/14
District	:	West Singbhum & Saraikela Kharsawan
Total No. Angle Points	:	45Nos.
Total Route Length	:	42.864Km.
Major Crossings along the route :		
Total H.T. Line	:	<ol style="list-style-type: none"> Existing 400kV D/C Jamshedpur-Baripoda Transmission line(Under Pass), PGCIL Existing 132kV S/C Ramchandrapur - Rajkharwan Transmission line, JSEB.
Total Railway Line	:	<ol style="list-style-type: none"> S.E. Rail Way Line(Gamhariya-Kandra Chord), Electrified, Broad Gauge, Double line, MP-266D/2 to 266D/3 S.E. Rail Way Line(Main line), Electrified, Broad Gauge, Double line, MP-266/5.6 to 266/7,8
National Highway (NH)	:	Nil
State Highway (SH)	:	Nil
River Crossing	:	Major River : Nil
	:	Minor River : Sona Nadi(Bank to Bank=70m) Sanjai Nadi(Bank to Bank=100m) Kharkai River(Bank to Bank=550m) Kharkai River(Bank to Bank=180m)
Forest	:	Forest=3.030Km
Locations of Setting up line stores	:	Saraikela
Consigning the line Materials	:	Ramchandrapur & Chaibasa
Towns, Cities & villages along the route where petrol & Diesel pumps as well as work shops available	:	Jamshedpur, Saraikela & Chaibasa
Availability of labour of various categories for civil works	:	Jamshedpur, Saraikela & Chaibasa
Working months during season along the route :	:	3 rd Week of October to 2 nd Week of July
Type of Crops, Fruits, Forest, Land, Hill are along the route	:	a) Crops Paddy, Wheat, Cornea, Sugar, Pigeon pea, Chilly, Mustard & Green Vegetables
	:	b) Fruits Mango, Guava, Berry & Jack Fruit
	:	c) Forest 3.030Km


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Availability of steel, cement, sand, stone chips are along the route:	d) land	Undulation & Plan	
	e) Hill	NIL.	
	a) Steel	Jamshedpur	
	b) Cement	Jamshedpur	
	c) Sand	Subarnarekha River	
Details of availability of accommodations	d) Stone Chips	Jamshedpur	
	a) Cities & Towns	Jamshedpur, Saraikela & Chaibasa	
	b) Major Railway station	Tata RS(Jamshedpur)	
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