

Amendment-X dated 06.05.2024 on the Request for Proposal Document and Transmission Service Agreement issued for selection of bidder as Transmission Service Provider to establish “Transmission system for evacuation of power from potential renewable energy zone in Khavda area of Gujarat under Phase-V (8 GW): Part A” through tariff based competitive bidding process.

Sl. No.	Clause No.	Existing Provisions			New / Revised Provisions																														
1.	Clause 2.6 of RFP	<p>2.6 Project Schedule</p> <p>2.6.1. All Elements of the Project are required to be commissioned progressively as per the schedule given in the following table;</p> <table border="1"> <thead> <tr> <th>S. No.</th> <th>Name of the Transmission Element</th> <th>Scheduled COD in months from Effective Date</th> <th>Percentage of Quoted Transmission Charges recoverable on Scheduled COD of the Element of the Project</th> <th>Element(s) which are pre-required for declaring the commercial operation (COD) of the respective Element</th> </tr> </thead> <tbody> <tr> <td>1A.#</td> <td>Establishment of 3000 MW, ± 800 kV KPS2 (HVDC) [LCC] terminal station (2x1500 MW) (Bipole-1) along with associated interconnections with 400 kV HVAC Switchyard*.</td> <td>48 months for Bipole-1 (2x1500 MW) and all other elements [mentioned at Sl. 1A, 2A, 3, 4, 5 & 6] and 54 months for Bipole-2 (2x1500 MW)</td> <td rowspan="2"><u>29.476%</u></td> <td rowspan="2">All Elements (except Bipole 2 (2x1500MW)) are required to be commissioned simultaneously in 48 months as their</td> </tr> <tr> <td>2A.#</td> <td>Establishment of 3000 MW, ± 800 kV Nagpur (HVDC) [LCC] terminal station (2x1500 MW)</td> <td>[mentioned at Sl. 1B & 2B] (from date of</td> </tr> </tbody> </table>			S. No.	Name of the Transmission Element	Scheduled COD in months from Effective Date	Percentage of Quoted Transmission Charges recoverable on Scheduled COD of the Element of the Project	Element(s) which are pre-required for declaring the commercial operation (COD) of the respective Element	1A.#	Establishment of 3000 MW, ± 800 kV KPS2 (HVDC) [LCC] terminal station (2x1500 MW) (Bipole-1) along with associated interconnections with 400 kV HVAC Switchyard*.	48 months for Bipole-1 (2x1500 MW) and all other elements [mentioned at Sl. 1A, 2A, 3, 4, 5 & 6] and 54 months for Bipole-2 (2x1500 MW)	<u>29.476%</u>	All Elements (except Bipole 2 (2x1500MW)) are required to be commissioned simultaneously in 48 months as their	2A.#	Establishment of 3000 MW, ± 800 kV Nagpur (HVDC) [LCC] terminal station (2x1500 MW)	[mentioned at Sl. 1B & 2B] (from date of	<p>2.6 Project Schedule</p> <p>2.6.1. All Elements of the Project are required to be commissioned progressively as per the schedule given in the following table;</p> <table border="1"> <thead> <tr> <th>S. No.</th> <th>Name of the Transmission Element</th> <th>Scheduled COD in months from Effective Date</th> <th>Percentage of Quoted Transmission Charges recoverable on Scheduled COD of the Element of the Project</th> <th>Element(s) which are pre-required for declaring the commercial operation (COD) of the respective Element</th> </tr> </thead> <tbody> <tr> <td>1A.#</td> <td>Establishment of 3000 MW, ± 800 kV KPS2 (HVDC) [LCC] terminal station (2x1500 MW) (Bipole-1) along with associated interconnections with 400 kV HVAC Switchyard*.</td> <td>48 months for Bipole-1 (2x1500 MW) and all other elements [mentioned at Sl. 1A, 2A, 3, 4, 5 & 6] and 54 months for Bipole-2 (2x1500 MW)</td> <td rowspan="2"><u>31.03%</u></td> <td rowspan="2">All Elements (except Bipole 2 (2x1500MW)) are required to be commissioned simultaneously in 48 months as their</td> </tr> <tr> <td>2A.#</td> <td>Establishment of 3000 MW, ± 800 kV Nagpur (HVDC) [LCC] terminal station (2x1500 MW)</td> <td>[mentioned at Sl. 1B & 2B] (from date of</td> </tr> </tbody> </table>					S. No.	Name of the Transmission Element	Scheduled COD in months from Effective Date	Percentage of Quoted Transmission Charges recoverable on Scheduled COD of the Element of the Project	Element(s) which are pre-required for declaring the commercial operation (COD) of the respective Element	1A.#	Establishment of 3000 MW, ± 800 kV KPS2 (HVDC) [LCC] terminal station (2x1500 MW) (Bipole-1) along with associated interconnections with 400 kV HVAC Switchyard*.	48 months for Bipole-1 (2x1500 MW) and all other elements [mentioned at Sl. 1A, 2A, 3, 4, 5 & 6] and 54 months for Bipole-2 (2x1500 MW)	<u>31.03%</u>	All Elements (except Bipole 2 (2x1500MW)) are required to be commissioned simultaneously in 48 months as their	2A.#	Establishment of 3000 MW, ± 800 kV Nagpur (HVDC) [LCC] terminal station (2x1500 MW)	[mentioned at Sl. 1B & 2B] (from date of
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SI. No.	Clause No.	Existing Provisions				New / Revised Provisions					
			(Bipole-1) along with associated interconnections with 400 kV HVAC Switchyard*	SPV transfer.)		utilization is dependent on commissioning of each other. The Bipole2 (2x1500MW) shall be commissioned in 54 months.		(Bipole-1) along with associated interconnections with 400 kV HVAC Switchyard*	SPV transfer.)		utilization is dependent on commissioning of each other. The Bipole2 (2x1500MW) shall be commissioned in 54 months.
	1B.#		Establishment of 3000 MW, ± 800 kV KPS2 (HVDC) [LCC] terminal station (2x1500 MW) (Bipole-2) along with associated interconnections with 400 kV HVAC Switchyard*.		<u>29.476%</u>		1B.#	Establishment of 3000 MW, ± 800 kV KPS2 (HVDC) [LCC] terminal station (2x1500 MW) (Bipole-2) along with associated interconnections with 400 kV HVAC Switchyard*.		<u>31.03%</u>	
	2B.#		Establishment of 3000 MW, ± 800 kV Nagpur (HVDC) [LCC] terminal station (2x1500 MW) (Bipole-2) along with associated interconnections with 400 kV HVAC Switchyard*.				2B.#	Establishment of 3000 MW, ± 800 kV Nagpur (HVDC) [LCC] terminal station (2x1500 MW) (Bipole-2) along with associated interconnections with 400 kV HVAC Switchyard*.			

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SI. No.	Clause No.	Existing Provisions			New / Revised Provisions		
	3.	±800 kV HVDC Bipole line (Hexa lapwing) between KPS2 (HVDC) and Nagpur (HVDC) (1200 km) (with Dedicated Metallic Return) (capable to evacuate 6000 MW with overload as specified)				3.	±800 kV HVDC Bipole line (Hexa lapwing) between KPS2 (HVDC) and Nagpur (HVDC) (1200 km) (with Dedicated Metallic Return) (capable to evacuate 6000 MW with overload as specified)
	4.	Establishment of 6x1500 MVA, 765/400 kV ICTs at Nagpur S/s along with 2x330 MVAR (765 kV) & 2x125 MVAR, 420 kV bus reactors along with associated interconnections with HVDC Switchyard*. The 400 kV bus shall be established in 2 sections through	<u>41.048%</u>			4.	Establishment of 6x1500 MVA, 765/400 kV ICTs at Nagpur S/s along with 2x330 MVAR (765 kV) & 2x125 MVAR, 420 kV bus reactors along with associated interconnections with HVDC Switchyard*. The 400 kV bus shall be established in 2 sections through
							<u>37.94%</u>

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Sl. No.	Clause No.	Existing Provisions				New / Revised Provisions			
		1 set of 400 kV bus sectionaliser so that 3x1500 MVA ICTs are placed in each section. The bus sectionaliser shall be normally closed and may be opened based on Grid requirement.				1 set of 400 kV bus sectionaliser so that 3x1500 MVA ICTs are placed in each section. The bus sectionaliser shall be normally closed and may be opened based on Grid requirement.			
		5. LILO of Wardha – Raipur 765 kV one D/C line (out of 2xD/C lines) at Nagpur				5. LILO of Wardha – Raipur 765 kV one D/C line (out of 2xD/C lines) at Nagpur			
		6. Installation of 240 MVAR switchable line reactor at Nagpur end on each ckt of Nagpur – Raipur 765 kV D/C line				6. Installation of 240 MVAR switchable line reactor at Nagpur end on each ckt of Nagpur – Raipur 765 kV D/C line			
				
2.	Format 1 of Annexure 8 of RFP	Format 1: Bidders’ Undertakings				Format 1: Bidders’ Undertakings			
				

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Sl. No.	Clause No.	Existing Provisions			New / Revised Provisions						
		1.			1.						
		2.			2.						
							
		8. We confirm that our Bid meets the Scheduled COD of each transmission Element and the Project as specified below:			8. We confirm that our Bid meets the Scheduled COD of each transmission Element and the Project as specified below:						
		S. No.	Name of the Transmission Element	Scheduled COD in months from Effective Date	Percentage of Quoted Transmission Charges recoverable on Scheduled COD of the Element of the Project	Element(s) which are pre-required for declaring the commercial operation (COD) of the respective Element	S. No.	Name of the Transmission Element	Scheduled COD in months from Effective Date	Percentage of Quoted Transmission Charges recoverable on Scheduled COD of the Element of the Project	Element(s) which are pre-required for declaring the commercial operation (COD) of the respective Element
		1A.#	Establishment of 3000 MW, ± 800 kV KPS2 (HVDC) [LCC] terminal station (2x1500 MW) (Bipole-1) along with associated interconnections with 400 kV HVAC Switchyard*.	48 months for Bipole-1 (2x1500 MW) and all other elements [mentioned at Sl. 1A, 2A, 3, 4, 5 & 6] and 54 months for Bipole-	29.476%	All Elements (except Bipole 2 (2x1500MW))	1A.#	Establishment of 3000 MW, ± 800 kV KPS2 (HVDC) [LCC] terminal station (2x1500 MW) (Bipole-1) along with associated interconnections with 400 kV HVAC Switchyard*.	48 months for Bipole-1 (2x1500 MW) and all other elements [mentioned at Sl. 1A, 2A, 3, 4, 5 & 6] and 54 months for Bipole-	31.03%	All Elements (except Bipole 2 (2x1500MW))

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Sl. No.	Clause No.	Existing Provisions			New / Revised Provisions			
		2A.# Establishment of 3000 MW, ± 800 kV Nagpur (HVDC) [LCC] terminal station (2x1500 MW) (Bipole-1) along with associated interconnections with 400 kV HVAC Switchyard*	2 (2x1500 MW) [mentioned at Sl. 1B & 2B] (from date of SPV transfer.)	are required to be commissioned simultaneously in 48 months as their utilization is dependent on commissioning of each other. The Bipole2 (2x1500MW) shall be commissioned in 54 months.	2A.# Establishment of 3000 MW, ± 800 kV Nagpur (HVDC) [LCC] terminal station (2x1500 MW) (Bipole-1) along with associated interconnections with 400 kV HVAC Switchyard*	2 (2x1500 MW) [mentioned at Sl. 1B & 2B] (from date of SPV transfer.)	are required to be commissioned simultaneously in 48 months as their utilization is dependent on commissioning of each other. The Bipole2 (2x1500MW) shall be commissioned in 54 months.	
	1B.# Establishment of 3000 MW, ± 800 kV KPS2 (HVDC) [LCC] terminal station (2x1500 MW) (Bipole-2) along with associated interconnections with 400 kV HVAC Switchyard*.	<u>29.476%</u>			1B.# Establishment of 3000 MW, ± 800 kV KPS2 (HVDC) [LCC] terminal station (2x1500 MW) (Bipole-2) along with associated interconnections with 400 kV HVAC Switchyard*.			<u>31.03%</u>
	2B.# Establishment of 3000 MW, ± 800 kV Nagpur (HVDC) [LCC] terminal station (2x1500 MW) (Bipole-2) along with associated				2B.# Establishment of 3000 MW, ± 800 kV Nagpur (HVDC) [LCC] terminal station (2x1500 MW) (Bipole-2) along with associated			

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Sl. No.	Clause No.	Existing Provisions			New / Revised Provisions		
			interconnections with 400 kV HVAC Switchyard*				interconnections with 400 kV HVAC Switchyard*
	3.		±800 kV HVDC Bipole line (Hexa lapwing) between KPS2 (HVDC) and Nagpur (HVDC) (1200 km) (with Dedicated Metallic Return) (capable to evacuate 6000 MW with overload as specified)	<u>41.048%</u>			±800 kV HVDC Bipole line (Hexa lapwing) between KPS2 (HVDC) and Nagpur (HVDC) (1200 km) (with Dedicated Metallic Return) (capable to evacuate 6000 MW with overload as specified)
	4.		Establishment of 6x1500 MVA, 765/400 kV ICTs at Nagpur S/s along with 2x330 MVAR (765 kV) & 2x125 MVAR, 420 kV bus reactors along with associated interconnections with HVDC Switchyard*.				Establishment of 6x1500 MVA, 765/400 kV ICTs at Nagpur S/s along with 2x330 MVAR (765 kV) & 2x125 MVAR, 420 kV bus reactors along with associated interconnections with HVDC Switchyard*.
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Sl. No.	Clause No.	Existing Provisions				New / Revised Provisions					
			The 400 kV bus shall be established in 2 sections through 1 set of 400 kV bus sectionaliser so that 3x1500 MVA ICTs are placed in each section. The bus sectionaliser shall be normally closed and may be opened based on Grid requirement.					The 400 kV bus shall be established in 2 sections through 1 set of 400 kV bus sectionaliser so that 3x1500 MVA ICTs are placed in each section. The bus sectionaliser shall be normally closed and may be opened based on Grid requirement.			
		5.	LILO of Wardha – Raipur 765 kV one D/C line (out of 2xD/C lines) at Nagpur				5.	LILO of Wardha – Raipur 765 kV one D/C line (out of 2xD/C lines) at Nagpur			
		6.	Installation of 240 MVAR switchable line reactor at Nagpur end on each ckt of Nagpur – Raipur 765 kV D/C line				6.	Installation of 240 MVAR switchable line reactor at Nagpur end on each ckt of Nagpur – Raipur 765 kV D/C line			
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Sl. No.	Clause No.	Existing Provisions			New / Revised Provisions						
		S. No.	Name of the Transmission Element	Scheduled COD in months from Effective Date	Percentage of Quoted Transmission Charges recoverable on Scheduled COD of the Element of the Project	Element(s) which are pre-required for declaring the commercial operation (COD) of the respective Element					
3.	Schedule: 2 of TSA	1A.#	Establishment of 3000 MW, ± 800 kV KPS2 (HVDC) [LCC] terminal station (2x1500 MW) (Bipole-1) along with associated interconnections with 400 kV HVAC Switchyard*.	48 months for Bipole-1 (2x1500 MW) and all other elements [mentioned at Sl. 1A, 2A, 3, 4, 5 & 6] and 54 months for Bipole-2 (2x1500 MW) [mentioned at Sl. 1B & 2B] (from date of SPV transfer.)	29.476%	All Elements (except Bipole 2 (2x1500MW)) are required to be commissioned simultaneously in 48 months as their utilization is dependent on commissioning of each other.	1A.#	Establishment of 3000 MW, ± 800 kV KPS2 (HVDC) [LCC] terminal station (2x1500 MW) (Bipole-1) along with associated interconnections with 400 kV HVAC Switchyard*.	48 months for Bipole-1 (2x1500 MW) and all other elements [mentioned at Sl. 1A, 2A, 3, 4, 5 & 6] and 54 months for Bipole-2 (2x1500 MW) [mentioned at Sl. 1B & 2B] (from date of SPV transfer.)	31.03%	All Elements (except Bipole 2 (2x1500MW)) are required to be commissioned simultaneously in 48 months as their utilization is dependent on commissioning of each other.
		2A.#	Establishment of 3000 MW, ± 800 kV Nagpur (HVDC) [LCC] terminal station (2x1500 MW) (Bipole-1) along with associated interconnections with 400 kV				2A.#	Establishment of 3000 MW, ± 800 kV Nagpur (HVDC) [LCC] terminal station (2x1500 MW) (Bipole-1) along with associated interconnections with 400 kV			

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SI. No.	Clause No.	Existing Provisions			New / Revised Provisions				
			HVAC Switchyard*		The Bipole2 (2x1500MW) shall be commissioned in 54 months.		HVAC Switchyard*		The Bipole2 (2x1500MW) shall be commissioned in 54 months.
	1B.#		Establishment of 3000 MW, ± 800 kV KPS2 (HVDC) [LCC] terminal station (2x1500 MW) (Bipole-2) along with associated interconnections with 400 kV HVAC Switchyard*.	<u>29.476%</u>			1B.#		Establishment of 3000 MW, ± 800 kV KPS2 (HVDC) [LCC] terminal station (2x1500 MW) (Bipole-2) along with associated interconnections with 400 kV HVAC Switchyard*.
	2B.#		Establishment of 3000 MW, ± 800 kV Nagpur (HVDC) [LCC] terminal station (2x1500 MW) (Bipole-2) along with associated interconnections with 400 kV HVAC Switchyard*.					2B.#	
	3.		±800 kV HVDC Bipole line (Hexa lapwing) between KPS2 (HVDC) and Nagpur (HVDC)	<u>41.048%</u>			3.		±800 kV HVDC Bipole line (Hexa lapwing) between KPS2 (HVDC) and Nagpur (HVDC)

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			(1200 km) (with Dedicated Metallic Return) (capable to evacuate 6000 MW with overload as specified)				(1200 km) (with Dedicated Metallic Return) (capable to evacuate 6000 MW with overload as specified)		
	4.		Establishment of 6x1500 MVA, 765/400 kV ICTs at Nagpur S/s along with 2x330 MVAR (765 kV) & 2x125 MVAR, 420 kV bus reactors along with associated interconnections with HVDC Switchyard*. The 400 kV bus shall be established in 2 sections through 1 set of 400 kV bus sectionaliser so that 3x1500 MVA ICTs are placed in each				Establishment of 6x1500 MVA, 765/400 kV ICTs at Nagpur S/s along with 2x330 MVAR (765 kV) & 2x125 MVAR, 420 kV bus reactors along with associated interconnections with HVDC Switchyard*. The 400 kV bus shall be established in 2 sections through 1 set of 400 kV bus sectionaliser so that 3x1500 MVA ICTs are placed in each		

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SI. No.	Clause No.	Existing Provisions				New / Revised Provisions			
			section. The bus sectionaliser shall be normally closed and may be opened based on Grid requirement.				section. The bus sectionaliser shall be normally closed and may be opened based on Grid requirement.		
		5.	LILO of Wardha – Raipur 765 kV one D/C line (out of 2xD/C lines) at Nagpur			5.	LILO of Wardha – Raipur 765 kV one D/C line (out of 2xD/C lines) at Nagpur		
		6.	Installation of 240 MVAR switchable line reactor at Nagpur end on each ckt of Nagpur – Raipur 765 kV D/C line			6.	Installation of 240 MVAR switchable line reactor at Nagpur end on each ckt of Nagpur – Raipur 765 kV D/C line		
				
4.	Schedule: 5 of TSA	Quoted Transmission Charges				Quoted Transmission Charges			
				
		S. No.	Name of the Transmission Element	Percentage of Quoted Transmission Charges	Element(s) which are pre-required for declaring the commercial	S. No.	Name of the Transmission Element	Percentage of Quoted Transmission Charges	Element(s) which are pre-required for declaring the commercial

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Sl. No.	Clause No.	Existing Provisions		New / Revised Provisions				
			recoverable on Scheduled COD of the Element of the Project	operation (COD) of the respective Element		recoverable on Scheduled COD of the Element of the Project	operation (COD) of the respective Element	
	1A.#	Establishment of 3000 MW, ± 800 kV KPS2 (HVDC) [LCC] terminal station (2x1500 MW) (Bipole-1) along with associated interconnections with 400 kV HVAC Switchyard*.	<u>29.476%</u>	All Elements (except Bipole 2 (2x1500MW)) are required to be commissioned simultaneously in 48 months as their utilization is dependent on commissioning of each other. The Bipole2 (2x1500MW) shall be commissioned in 54 months.	1A.#	Establishment of 3000 MW, ± 800 kV KPS2 (HVDC) [LCC] terminal station (2x1500 MW) (Bipole-1) along with associated interconnections with 400 kV HVAC Switchyard*.	<u>31.03%</u>	All Elements (except Bipole 2 (2x1500MW)) are required to be commissioned simultaneously in 48 months as their utilization is dependent on commissioning of each other. The Bipole2 (2x1500MW) shall be commissioned in 54 months.
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SI. No.	Clause No.	Existing Provisions		New / Revised Provisions	
			with 400 kV HVAC Switchyard*.		with 400 kV HVAC Switchyard*.
	2B.#	Establishment of 3000 MW, ± 800 kV Nagpur (HVDC) [LCC] terminal station (2x1500 MW) (Bipole-2) along with associated interconnections with 400 kV HVAC Switchyard*		2B.#	Establishment of 3000 MW, ± 800 kV Nagpur (HVDC) [LCC] terminal station (2x1500 MW) (Bipole-2) along with associated interconnections with 400 kV HVAC Switchyard*
	3.	±800 kV HVDC Bipole line (Hexa lapwing) between KPS2 (HVDC) and Nagpur (HVDC) (1200 km) (with Dedicated Metallic Return) (capable to evacuate 6000 MW with overload as specified)	<u>41.048%</u>	3.	±800 kV HVDC Bipole line (Hexa lapwing) between KPS2 (HVDC) and Nagpur (HVDC) (1200 km) (with Dedicated Metallic Return) (capable to evacuate 6000 MW with overload as specified)
	4.	Establishment of 6x1500 MVA, 765/400 kV ICTs at Nagpur S/s along with 2x330 MVAR (765 kV) & 2x125		4.	Establishment of 6x1500 MVA, 765/400 kV ICTs at Nagpur S/s along with 2x330 MVAR (765 kV) & 2x125

Amendment-X dated 06.05.2024 on the Request for Proposal Document and Transmission Service Agreement issued for selection of bidder as Transmission Service Provider to establish “Transmission system for evacuation of power from potential renewable energy zone in Khavda area of Gujarat under Phase-V (8 GW): Part A” through tariff based competitive bidding process.

Sl. No.	Clause No.	Existing Provisions			New / Revised Provisions		
			MVAR, 420 kV bus reactors along with associated interconnections with HVDC Switchyard*. The 400 kV bus shall be established in 2 sections through 1 set of 400 kV bus sectionaliser so that 3x1500 MVA ICTs are placed in each section. The bus sectionaliser shall be normally closed and may be opened based on Grid requirement.				MVAR, 420 kV bus reactors along with associated interconnections with HVDC Switchyard*. The 400 kV bus shall be established in 2 sections through 1 set of 400 kV bus sectionaliser so that 3x1500 MVA ICTs are placed in each section. The bus sectionaliser shall be normally closed and may be opened based on Grid requirement.
		5.	LILO of Wardha – Raipur 765 kV one D/C line (out of 2xD/C lines) at Nagpur			5.	LILO of Wardha – Raipur 765 kV one D/C line (out of 2xD/C lines) at Nagpur
		6.	Installation of 240 MVAR switchable line reactor at Nagpur end on each ckt of Nagpur – Raipur 765 kV D/C line			6.	Installation of 240 MVAR switchable line reactor at Nagpur end on each ckt of Nagpur – Raipur 765 kV D/C line