Amendment No. 1 dated 29.09.2023

to

RFP documents for Selection of Bidder as Transmission service provider for Establish Inter- State Transmission System for "Transmission system for evacuation of additional 7 GW of RE power from Khavda RE park under Phase III Part A"

SI.	Existing Provision	Revised Provision			
No.					
1.	Specific technical requirement of transmission line of RfP & TSA document	Specific technical requirement of transmission line of RfP & TSA document			
	A.6.0	A.6.0			
	 A) For power line crossing of 400 kV or above voltage level (if crossed over the existing line) large angle & dead end towers (i.e. D/DD/QD) shall be used on either side of power line crossing. B) For power line crossing of 132 kV and 220 kV voltage level, angle towers (B/C/D/DB/DC/DD/ QB/QC/QD) shall be used on either side of power line crossing depending upon the merit of the prevailing site condition and line deviation requirement. 	 A) For power line crossing of 400 kV or above voltage level (if crossed over the existing line) large angle & dead end towers (i.e. D/DD/QD) shall be used on either side of power line crossing. B) For power line crossing of 132 kV and 220 kV (or 230 kV) voltage level, angle towers (B/C/D/DB/DC/DD/ QB/QC/QD) shall be used on either side of power line crossing depending upon the merit of the prevailing site condition and line deviation requirement. 			
2.	Specific technical requirement of transmission line of RfP & TSA document	Specific technical requirement of transmission line of RfP & TSA document			
	A.7.0 The relevant conductor configuration shall be as follows: -	A.7.0 The relevant conductor configuration shall be as follows: -			
	Type of conductor: ACSR / AAAC / AL59				
	Basic parameters:	Basic parameters:			

to

RFP documents for Selection of Bidder as Transmission service provider for Establish Inter- State Transmission System for "Transmission system for

evacuation of additional 7 GW of RE power from Khavda RE park under Phase III Part A"

SI. No.	Existing Provision					Revised Provision					
	Transmission line	ACSR Conductor specified	Equivalent AAAC conductor based on 53.5% conductivity of Al Alloy	Equivalent minimum size of AL59 conductor based on 59% conductivity of AL Alloy*	Sub- conductor Spacing	Tı liı	ansmission ne	ACSR Conductor specified	Equivalent AAAC conductor based on 53.5% conductivity of Al Alloy	Equivalent minimum size of AL59 conductor based on 59% conductivity of AL Alloy*	Sub- conductor Spacing
	 <u>Note:</u> 1. *To select any size above the minimum, the sizes mentioned in the Indian standard IS-398(part-6) shall be followed. 2. The transmission lines shall have to be designed for a maximum operating conductor temperature of 85 deg C. 					 <u>Note:</u> 1. *To select any size above the minimum, the sizes mentioned in the relevant Indian standard IS-398(part-6) shall be followed. 2. The transmission lines shall have to be designed for a maximum operating conductor temperature of 85 deg C. 					
3.	Specific technical requirement of transmission line of RfP & TSA document					Specific technical requirement of transmission line of RfP & TSA document					
	A.13.0 Each tower shall be earthed such that tower footing impedance does not exceed 10 ohm. Pipe type or Counterpoise type earthing shall be provided in accordance with relevant IS. Additional earthing shall be provided on every 7 to 8 Km distance at tension tower for direct earthing of both shield wires. If site condition demands, multiple earthing or use of earthing enhancement compound shall be used					 A.13.0 Each tower shall be earthed such that tower footing impedance does not exceed 10 ohm. Pipe type or Counterpoise type earthing shall be provided in accordance with relevant IS. Additional earthing shall be provided on every 7 to 8 Km distance for direct earthing of both shield wires. If site condition demands, multiple earthing or use of earthing enhancement compound shall be used 					
4.	Specific technical requirement of transmission line of RfP & TSA document				Specific technical requirement of transmission line of RfP & TSA document						
	B.1.1 Insulation Coordination The system design parameters for substations/switchyards shall be as given below:				B.1.1 Insulation Coordination The system design parameters for substations/switchyards shall be as given below:						

Amendment No. 1 dated 29.09.2023

to

RFP documents for Selection of Bidder as Transmission service provider for Establish Inter- State Transmission System for "Transmission system for

evacuation of additional 7 GW of RE	nower from Khavda BE	nark under Phase III Part Δ"
evacuation of auditional / Gw of RE	power nom knavua ke	park under Phase in Part A

SI.	Existing Provision					Revised Provision			
No.									
	SI	Description of parameters	765kV Halvad S/S	765 kV KPS-II	SI	Description of parameters	765kV Halvad S/S	765 kV KPS-II GIS	
	No			GIS Extn	No			Extn	
			765kV System	765kV System			765kV System	765kV System	
	5.	Rated Insulation levels			5.	Rated Insulation levels			
	i)	 Impulse withstand voltage for (1.2/50 micro sec.) for Equipment other than Transformer and Reactors for Insulator String 			i)	 Lighting Impulse withstand voltage for (1.2/50 micro sec.) for Equipment other than Transformer and Reactors for Insulator String 			
	ii)	Switching impulse withstand voltage (250/2500 micro sec.) dry and wet	1550kVp	1550kVp	ii)	Switching impulse withstand voltage (250/2500 micro sec.) dry and wet	1550kVp	1425kVp	
	iii)	One minute power frequency dry withstand voltage (rms)	960 kV	960 kV	iii)	One minute power frequency dry withstand voltage (rms)	830kV	960 kV	
	9.	Minimum creepage distance for switchyard equipment	20000 mm (25 mm/kV)	20000 mm (25 mm/kV)	9.	Minimum creepage distance for switchyard equipment	24800 mm (31 mm/kV)	24800 mm (31 mm/kV)	
						·····			