

Amendment - 3 dated 04.09.2025 to
RFP documents for Selection of Bidder as Transmission service provider for
“Establishment of 400/220 kV AIS Saswad (Dist. Pune)”

Sl No	Clause No.	Existing Provisions			Revised Provisions			
1.	Relevant Clauses of RfP and TSA	Scope of the Transmission Scheme:			Scope of the Transmission Scheme:			
		Sl.	Name of the Transmission Element	Scheduled COD in months from Effective Date	Sl.	Name of the Transmission Element	Scheduled COD in months from Effective Date	
		1	Establishment of 2x500MVA, 400/220kV S/s with 1x125 MVAR bus Reactor @ 400 kV level. • ...	18 Months	1	Establishment of 2x500MVA, 400/220kV S/s with 1x125 MVAR bus Reactor @ 400 kV level. ... •	24 months	
		2	...		2	..		
		3	...		3	...		
		4	...		4	...		
		5	...		5	...		
		6	...		6	...		
		7	...		7	...		
		8	...		8	...		
		9	...		9	...		
2.	RfP Document ANNEXURE B Draft Pre-Award Integrity Pact	 WHEREAS the BPC is conducting the bidding process for selection of bidder as Transmission Service Provider (TSP), who will be responsible to set up the transmission project on build, own, operate and transfer (BOOT) basis and to provide Transmission Service.			 WHEREAS the BPC is conducting the bidding process for selection of bidder as Transmission Service Provider (TSP), who will be responsible to set up the transmission project “ Establishment of 400/220 kV AIS Saswad (Dist. Pune) ”on build, own, operate and transfer (BOOT) basis and to provide Transmission Service.			

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3.	Clause No A.7.0 of RfP and TSA	The relevant conductor configuration shall be as follows: - Type of conductor: Moose, Quad Basic parameters:		The relevant conductor configuration shall be as follows: - Type of conductor: Moose, Quad Basic parameters:				
		Transmission line	ACSR Conductor specified	Transmission line	ACSR Conductor specified	Equivalent AAAC conductor based on 53% conductivity of Al Alloy	Equivalent minimum size of AL59 conductor based on 59% conductivity of AL Alloy*	Sub-conductor Spacing
		400 kV D/C (Quad Bundled) Transmission Lines	0.5 Moose: Stranding :54/3.53 mm-Al + 7/3.53 mm-Steel, Overall diameter of conductor 31.77 mm Overall cross sectional area of conductor: 528.5 mm2, Maximum DC Resistance at 20°C (Ω/km):0.05552 Minimum UTS: 161.20 kN	400 kV D/C (Quad Bundled) Transmission Lines	Moose: Stranding 54/3.53 mm-Al + 7/3.53 mm- Steel, 31.77 mm Dia 528.5 mm2 Aluminium area Maximum DC Resistance at 20°C (Ω/km):0.05552 Minimum UTS: 161.20 kN	Stranding details: 61/3.55 mm 31.95 mm Dia; 604 mm2Aluminium alloy area Maximum DC Resistance at 20°C (Ω/km): 0.05506 Minimum UTS: 159.80 kN	Stranding details: 61/3.31 mm 29.79 mm Dia; 525 mm2 Aluminium alloy area Maximum DC Resistance at 20°C (Ω/km): 0.0566 Minimum UTS: 124.70 kN	457 mm
220 kV D/C Transmission Lines	...	220 kV D/C Transmission Lines	...					

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			220 kV D/C line with HPC Conductor from 400 kV AIS Saswad (New) to 220 kV (AIS) Theur (existing) Type of conductor: HPC(High Performance Conductor) <table><tr><th colspan="3">Basic parameter for single conductor</th></tr><tr><th>Ampacity of HPC conductor</th><th>Minimum Conductor diameter (mm)</th><th>Maximum DC Resistance at 20°C (Ω/km)</th></tr><tr><td>1221 Amp @ 125°C</td><td>28.14</td><td>0.0536</td></tr></table>	Basic parameter for single conductor			Ampacity of HPC conductor	Minimum Conductor diameter (mm)	Maximum DC Resistance at 20°C (Ω/km)	1221 Amp @ 125°C	28.14	0.0536
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1221 Amp @ 125°C	28.14	0.0536										
4.	Clause No A.9.0 of RfP and TSA	... I. Minimum live metal clearances for 400 kV line: ...	... I. Minimum live metal clearances for 400 kV line: ... II. Minimum live metal clearances for 220 kV line: a) Under stationary conditions: From tower body: 2.13m b) Under swing conditions: <table><tr><th>Wind pressure Condition</th><th>Minimum electrical clearance</th></tr><tr><td>a) Swing angle (15°)</td><td>1.98 mtrs</td></tr><tr><td>b) Swing angle (30°)</td><td>1.83 mtrs</td></tr><tr><td>c) Swing angle (45°)</td><td>1.675 mtrs</td></tr></table> c) Minimum ground clearance: 7.015 m d) Minimum mid span separation between earth-wire and conductor: 8.5 m e) However, the phase spacing for 220 kV D/C Line shall be not less than 5.0 m. Further, Shielding angle shall not exceed 30 deg for 220 kV D/C lines line.	Wind pressure Condition	Minimum electrical clearance	a) Swing angle (15°)	1.98 mtrs	b) Swing angle (30°)	1.83 mtrs	c) Swing angle (45°)	1.675 mtrs	
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