	Issue No : 01 Rev No: 00 Date of Issue / / 2021								
Drg . No.	QAP No: OFT/QAP/M2HB/5504067								
Nommenclature									
Material	STEEL, ASTM A304								
Component Nomenclature/ operations	Characteristics	Class	Type of check	Quantum of check	Reference document	Acceptance norms	Format of record	Inspection by NAI or their authorised Rep. (Review/Witness) (*)	Remarks
Sear (Raw material)	General appearance	Critical	Visual	100%			Firm Inspection report	R	Sample will be drawn and sealed by Inspection Agency
	Chemical properties	Critical	Chemical Lab analysis	100%	STE	EL, ASTM A304: 4140H.	Test report from NABL lab	R	
	Mechanical properties	Critical	Mechanical Lab analysis	100%		· 	Test report from NABL lab	R	
Heat Treatment	Mechanical properties	Critical	Mechanical Lab analysis	100%		O 871°C. OIL QUENCH. TEMPER ONE O HARDNESS SPECIFIED RH A75.5-78.5	Test report from NABL lab	. R	
Protective Finish	General appearance	Critical	Visual and Dimensional Checks	100%	MIL-STD-171	Finish 5.3.1.2 (or) 5.3.2.2	Test report from NABL lab	R	Firm will be undertaking 100 % Checks and Pre inspection Report for the same be submitted
In process -As per Drawing 5504067	Dimensions Specified in the Inspection report of the component	Critical	Dimensional measurement	100%	As	s per Drawing 5504067	Firm Inspection report	R	
Final Inspection	General appearance	Critical	Visual and Dimensional Checks	100%	As	s per Drawing 5504067	Firm Inspection report	W	

(*) Note: As per the MoU No: OFT / SRCG / M2HBGun / MoU /01 Dt: 20.09.2021, Clause no. 3(a), Sub clause (ii) & (iii) the following is applicable.

(ii) For springs manufactured In-house (OFT) - Dimension inspection, Load Testing on sampling basis.

(iii) For springs procured from vendors - from raw material to finished product QA by NAI, Trichy.

Civilian Technical Officer (Mech) for Principal inspector Of Navai Armament Tiruchirappalli. G/BEVENDIRANE, I. 9. F. S.
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	Issue No : 01 Rev No: 00								
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Drg . No.	_								
Nommenclature	SLIDE SEAR, OOW	QAP No: OFT/QAP/M2HB/5351220							
Material	ALLOY STEEL, SHE 4140. ALT.MATL: ALLOY 4140. ALLOY STEEI SHEET, PLATE STR								
Component Nomenclature/ operations	Characteristics	Class	Type of check	Quantum of check	Reference document	Acceptance norms	Format of record	Inspection by NAI / GM/OFT (Review/Witness) (*)	Remarks
Slide Sear (Raw material)	General appearance	Non Critical	Visual	100%	ALLOY STEEL, SH	IEET AND STRIP, ASTM A506, GRADES D; ALLOY STEEL BARS, COLD FINISHED,	Firm Inspection report	R	Sample will be drawn and sealed by Inspection Agency
	Chemical properties	Non Critical	Chemical Lab analysis	100%	ASTM A3	31, GRADES 6150, 4340, 4140. Y STEEL BARS, HOT WROUGHT, ASTM 150, 4340, 4140. ALLOY STEEL PLATES,	Test report from NABL lab	R	
	Mechanical properties	Non Critical	Mechanical Lab analysis	100%	ASTM A829, GR. SHEET STRIP PLA STEEL SHEET, ST	LSO, 4340, 4140. ALLOY STEEL ADES 6150, 4340, 4140. ALLOY STEEL ATE, AMS 6359 (GRADE 4340); ALLOY FIRIP, PLATE AMS 6395 (GRADE 4140); SHEET, PLATE STRIP, SAE AMS 6455 (GRADE 6150)	Test report from NABL lab	R	
Heat Treatment	Mechanical properties	Non Critical	Mechanical Lab analysis	100%	TEMPER FOR S FOR 4340: HEA TEMPER FOR	AT AT 843°C TO 871°C. OIL QUENCH. 1 HOUR MINIMUM TO HARDNESS SPECIFIED (RH C45-51) T AT 815.5°C TO 843°C. OIL QUENCH. 1 HOUR MINIMUM TO HARDNESS SPECIFIED (RH C45-51)	Test report from NABL lab	R	Firm will be undertaking
Protective Finish	General appearance	Non Critical	Visual and Dimensional Checks	100%	MIL-STD-171	Finish 5.3.1.2 (or) 5.3.2.2	Test report from NABL lab	R	100 % Checks and Pre inspection Report for the same b submitted
In process -As per Drawing 5351220	Dimensions Specified in the Inspection report of the component	Non Critical	Dimensional measurement	100%	As per Drawing 5351220		Firm Inspection report	R	-
Final Inspection	General appearance	Non Critical	Visual and Dimensional Checks	100%	As per Drawing 5351220		Firm Inspection report	W	

(*) Note: As per the MoU No: OFT / SRCG / M2HBGun / MoU /01 Dt: 20.09.2021, Clause No. 3(b), Sub clause (i) is applicable for In-House manufacturing and inspection by GM/OFT.

Sub clause (ii) is applicable for out sourced components. JRI will be done by NAI & OFT on sampling basis.

For springs: (i) Trade: Raw material to finished product A by NAI. (ii) In house: Dimension inspection and Load test on sampling basis by NAI.

American Officer (Mech)

Jor Principal inapactor Of Navai Armament

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