

QUALITY ASSURANCE PLAN (M2HB GUN IM PHASE)									Issue No : 01 Rev No: 00
									Date of Issue / / 2021
Drg . No.	5153191								GAP No: OFT/QAP/M2HB/5153191
Nomenclature	SCREW, MACHINE, FLAT COUNTERSUNK HEAD, OOW50BMG : REQD FOR HB ASSY (7265636)								
Material	STEEL, ASTM A108, 1045, 1040, 1050 OR ASTM A331 OR A322 , 4140, 4340.								
Component Nomenclature/ operations	Characteristics	Class	Type of check	Quantum of check	Reference document	Acceptance norms	Format of record	Inspection by GM/OFT (Review/Witness) (*)	Remarks
Screw, Machine, Flat Countersunk Head (Raw material)	General appearance	Non Critical	Visual	100%	STEEL, ASTM A108, 1045, 1040, 1050 OR ASTM A331 OR A322 , 4140, 4340.		Firm Inspection report	R	Sample will be drawn and sealed by Inspection Agency
	Chemical properties	Non Critical	Chemical Lab analysis	100%			Test report from NABL lab	R	
	Mechanical properties	Non Critical	Mechanical Lab analysis	100%			Test report from NABL lab	R	
Heat Treatment	Mechanical properties	Non Critical	Mechanical Lab analysis	100%	As per Drawing 5153191	HEAT AT 838°C TO 860°C. OIL QUENCH. TEMPER ONE HOUR MINIMUM TO HARDNESS SPECIFIED RH C26-32	Test report from NABL lab	R	Firm will be undertaking 100 % Checks and Pre inspection Report for the same be submitted
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	
In process -As per Drawing 5153191	Dimensions Specified in the Inspection report of the component	Non Critical	Dimensional measurement	100%	As per Drawing 5153191		Firm Inspection report	R	
Final Inspection	General appearance	Non Critical	Visual and Dimensional Checks	100%	As per Drawing 5153191		Firm Inspection report	W	

*Note : As per the MoU No: OFT / SRCG / M2HBGun / MoU /01 Dt: 20.09.2021, Clause 3(c) sub clause (i) NAI, Trichy may do Surveillance audit of the reports, if applicable.
(ii) In case of hard ware items, NAI, Trichy will review the reports, if required.

NAI
 Chellan Technical Officer (w/o) /
 Jr Principal Inspector Of Naval Armaments
 Tiruchirappalli

OFT
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