QUALITY MONITORING INSTRUCTION FOR INSPECTION

Issue No : 01 Rev No :

Date of Issue .10.2022

STEEL ROUND dia 34 X 355 mm +2.0 For 7.62mm TAR BARREL (1201*3) & R 6565 Rev.No

OFT/QMI/TAR/RM

MATERIAL SPECIFICAITON

JSS 9510-06-2012 (Rev.5) CODE REF - B, T-1CONDITION

CONDITION OF SUPPLY Vaccum degassed, hot rolled, peeled, reeled, softened : For Barrel - 7.62mm (TAR-K-1201*3)& Rifle 5.56mm (R-6565) END USE

Date

INSPECTION CHECK TO BE CARRIED OUT

Amendment

SL NO	CHARACTERISTICS	SP	ECIFIC	NOITA	/ REQL	JIREME	NT		ble 'A' 'LE SIZE	
1.	Visual	The Ray such as harmful	rust,	scale,	l be fre burrs	e from and any	defects other		00%	
2.	Raw Material	Steel 34	mm di	a x 355	mm Le	nath	1.000			
3.	Chemical Composition (%)	$\begin{array}{llllllllllllllllllllllllllllllllllll$								
4.	Mechanical Properties	Hardness 248 - 302 BHN Tensile Strength 850-1000 MPa. Elongation 13% (Min.) 0.2% Proof Stress 660 Mpa (Min) Izod Impact 55 Joules (Min)				One Sample Per Heat where ever it is feasible.				
5.	Other Tests	(i) Mechinability cum drilling test as per JSS 9510-06-2012. (ii) Macro Etch Test: Acceptance Standard better than or equivalent to C-1, R-1,S-1 for Plate I and Nil for Plate II per ASTM-E-381:84 or IS: 13015 - 1991 or JSS 9510-06-2012. (iii) Determination of Inclusion content as perIS:4163-82 A B C D Thin Thick Thin Thick Thin Thick Thin Thic 2 0.5 2 Nil 2 Nil 2 0.5					or te II as 9510-			

U.MANGALASAMY JWM (SG) / STANDARD CELL checked by

S. ASHA JWM (SG) / QCM checked by

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Ge K Se. KRISHNASWAMY JT.GM / QC and R&D APPROVED

6. Packing	The Packing of the Material shall be done in such a manner to avoid corrosion and damage in handling and transit.	Each
7. Marking	Each Packing shall be legibly marked with manufacturer's identity, Qty, Heat No., OFT Supply order No. etc. as per S.O. conditions.	Consignment

Note:

- 1. The steel Raw material/component/forging/casting to be tested by the firm on selection of the sample by the firm itself for chemical composition and mechanical properties in NABL accredited approved Lab as per Table 'A'.
- 2. The Firm has to check for the dimensions, visual defects, packing and marking as per Table 'A'. After completion of tests as per Sl. No. 1 of Note as stated above, the firm has to submit the following documents to OFT.
 - The Raw material certificate from the original manufacturer, Heat number, and quantity purchased and number of bars is to be mentioned in the inspection letter to OFT.
 - The Chemical and Mechanical test certificates from NABL accredited approved lab II. as per Table 'A'.
 - Raw material sample minimum of 300mm should be supplied for cross III. verification along with the first supply of stores.
 - Dimensional reports including visual as per Table 'A'.
 - Guarantee / Warranty certificate of supplier against the supply. ٧.
- 3. All the above Documents mentioned at Sl. No. 2 of Note as stated above are to be forwarded to Executive Director/OFT along with supply.
- 4. Ordnance Factory-Trichy (OFT) shall verify all the parameters as per Table 'A' and after satisfactory results, the material will be accepted /cleared accordingly in time bound manner.
- 5. Material has to be replaced 100% by the firm in case of non-conformity to specification as per Table-A, during inspection at OFT, Trichy.

VERIFICATION OF INSPECTION DOCUMENTS

SI.No.	INSPECTION DOCUMENTS Output Output
1	The Raw material original Manufacturer's certificate, Details of Heat Number, Quantity purchased and number of Barsetc.
2	The Chemical, Mechanical and other test certificates from NABL accredited approved Lab.
3	Dimension report including visual.
4	Packing slip details.

U.MANGALASAM JWM (SG) / STANDARD CELL checked by

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