QUALITY MONITORING INSTRUCTION FOR INSPECTION

Issue No: 01 Rev No:

Date of Issue 10/10/2023

C 2003 (SHIELD)

OFT/MI/30mm/ C 2003

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Rev.No	Amendment	Date

MATERIAL SPECIFICATION :

35XH2MØA -W , OCT 3-98-80. /

INDIGENOUS MATERIAL : BS : 970 PT.1 - 1983 GR.826 M31 'Z' CONDITION

WITH S&P CONTENT 0.010% &0.015% MAX RESPECTIVELY ($\ensuremath{\mathsf{ESR}}$

QUALITY STEEL)

CONDITION OF SUPPLY

END USE

: FULL FINISHED THROUGH FORGING ROUTE.

: 30mm CANNON.

INSPECTION CHECK TO BE CARRIED OUT

SL	CHARACTERISTICS		Table 'A'
NO	CHARACTERISTICS	SPECIFICATION / REQUIREMENT	SAMPLE SIZE
1.	Visual	The Component shall be free from defects such as rust, scale, burrs and any other harmful defects.	1000
2.	Dimension	100% Dimension to check as per drawing.	100%
		35XH2MØA -W OCT 3-98-80	
3.	Chemical Composition (%)	C = 0.32-0.37 V = 0.10-0.18 Si = 0.17-0.37 Mo = 0.20-0.30 Mn = 0.30-0.60 Cu = 0.20 (Max) Cr = 0.60-0.90 S = 0.010 (Max) Ni = 2.00-2.40 P = 0.016 (Max) BS:970 Pt.1, 1983 GR.826 M31 'Z' CONDITION. C = 0.27-0.35 Mo = 0.45-0.65 Si = 0.10-0.35 S = 0.010 (Max) Mn = 0.45-0.70 P = 0.015 (Max) As per Drg. Cr = 0.50-0.80 Ni = 2.30-2.80	One Sample Per Heat

P.MURUGESAN HoS / QCM CHECKED

M.GIRISH KUMAR REDDY

U.MANGACASAMY HoS/STD.CELL PREPARED

SUKESH GEHLAUT JT.GM (QCM) (APPROVED)

Note:

- 1. The Raw material / component 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
- 2. The Firm has to check for the dimensions, visual defects, packing and marking as per Table 'A'. After completion of tests as per Note-1 as above, the Firm has to submit the following
 - 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 as per
 - Dimensional reports including visual as per Table 'A'. 111.
 - Guarantee / Warrantee certificate of supplier against the supply.
- 3. All the above Documents mentioned at Note No.2 above are to be forwarded to ED/OFT along
- 4. OFT shall verify all the documents as above and accord clearance to the firm for dispatch of the
- 5. OFT/Trichy shall verify all the parameters as per Table 'A' and after satisfactory results, the material will be accepted /cleared accordingly.
- 6. Material has to be replaced 100% by the firm in case of non conformity to specification as per

VERIFICATION OF INSPECTION DOCUMENTS

SL_NO	The Raw material INSPECTION DOCUMENTS
1	nov material Original Manufact,
**************************************	purchased and number of Bars etc.,
2	The Chemical and Mechanical to
3	The Chemical and Mechanical test certificates from NABL accredited approved Lab. Dimension report including visual.
4	Packing slip details.

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