

| | | | |
|---|--------------------------|----------------|----------------------------|
| ISO 9001:2008 | Document No: TM/HM/6/347 | Version No:0.0 | Date effective: 27/07/2015 |
| Specification of Fork Head of DGS machine (Part no.HZ60.01-3) | | | |



**RESEARCH DESIGN AND STANDARD ORGANISATION
Manak Nagar, Lucknow-226011**

Track Machine and Monitoring Directorate

**SPECIFICATION NO. TM/HM/6/347
(Provisional)**

**SPECIFICATION OF FORK HEAD OF DGS MACHINE
(Part no HZ60.01-3)**

| | | |
|--------------|------------|-------------|
| DTM-III | EDTM | Page 1 of 2 |
| Prepared By: | Issued By: | |

| | | | |
|---|--------------------------|----------------|----------------------------|
| ISO 9001:2008 | Document No: TM/HM/6/347 | Version No:0.0 | Date effective: 27/07/2015 |
| Specification of Fork Head of DGS machine (Part no.HZ60.01-3) | | | |

SPECIFICATION NO. TM/HM/6/347 (Provisional)
SPECIFICATION OF FORK HEAD OF DGS MACHINE
(Part no HZ60.01-3)

1.0 Scope: This specification covers the dimensional, functional, and material requirements with testing criteria of the Fork head of DGS machine. This specification may be treated as provisional subject to modifications based on service performance.

2.0 Reference Document: Following Document and specification have referred to in this specification. Full set of relevant drawings and the referred codes/specifications duly incorporating the updated corrections / amendments shall be available for reference at manufacturer's work.

- i) IS: 2062-1992: Specification of steel for general engineering Purpose.
- ii) IS: 77- 1976: Linseed oil for paints specifications.
- iii) Drawing No: RDSO/TM/05/14. Fork head of DGS machine

3.0 Functional Requirement: The Fork head is provided on piston rod of roller clamp lifting cylinder in DGS machine to connect roller clamp with the help of connecting liver. All surfaces meant for machining shall be finished as mentioned in the Drg. No. RDSO/TM/05/14.

4.0 Dimensions and Tolerance: Dimension and tolerance of Roller clamp cylinder complete with Fork head of DGS machine shall be as mentioned in drawing no. RDSO/TM/05/14.

5.0 Material: The Fork head shall be made of mild steel of grade A or B Conforming to IS: 2062-1992 having minimum tensile strength 410Mpa i.e.410 N/ mm² with minimum percentage elongation of 23.

6.0 Manufacturing Process: The Fork head shall be made by fabrication and machining from plate / billet of specified material.

7.0 Marking: Month and year of manufacture and manufacturer's code/identification shall be engraved / embossed on the non-functional surface of each component.

8.0 Inspection and Acceptance Criteria:

- i. Each component offered by manufacturer shall be checked visually for their surface finish, freedom from defect like porosity, cracks, improper edges etc. Machined surface shall be checked by any suitable pneumatic or electronic equipment.
- ii. The component found suitable after visual inspection shall be checked for their dimensional characteristics as per relevant drawing.
- iii. Supplier shall produce the certificate that the raw material use for manufacturing of the component conforms to the IS: 2062-1992 as mentioned in Para 5.0.

Any deviation in the test result shall be the cause of rejection.

9.0 Packing and Protection: Each component shall be protected with one coat of boiled linseed oil conforming to IS: 77-1976(Linseed oil for paint) and shall be packed in card board case

| | | |
|--------------|------------|-------------|
| DTM-III | EDTM | Page 2 of 2 |
| Prepared By: | Issued By: | |