

ENGINEERING: ENGINEERING SYSTEMS ENABLEMENT

QUALITY MANAGEMENT SYSTEM

STEEL SHORTS BILLETS

TECHNICAL SPECIFICATION

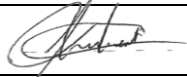

Specification number	SE_BFX_SPEC_2016
Version number	00
Compiler name	Gideon Joubert
Compiler signature	
Date	05.09.2024
Approver name	Tshepo Dhlamini
Approver signature	
Date	05.09.2024

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1 DOCUMENT VERSION

[This specification supersedes all previous specifications for the purchase of steel grit]

2 PURPOSE

[The purpose of this document is to supply the potential supplier with the minimum technical requirements that the supplier must comply to.]

3 SCOPE OF SPECIFICATION

[Steel shorts grain abrasive billets are used to shot-blast the final products to get rid of after production residual sand and dirt]

4 REFERENCE DOCUMENTATION

[NONE]

5 DEFINITIONS AND ABBREVIATIONS

[NONE]

6 TECHNICAL REQUIREMENTS

Typical properties of steel billets grain abrasive	
Types of steel shorts	S 460 – Bullet metal alloy steel pill
Properties	Grain abrasive steel grit
Package	25 KG bags
Description	EC SAE J44 OR J827

7 QUANTITY

[N/A]

8 POST PURCHASE SUPPORT

- [warranty
- Induction training requirements
- Repair consult.]

9 DOCUMENTATION REQUIRED

9.1 Procurement stage

- [Material data sheet.]

9.2 On delivery

- [Calibration certificate.]

10 DELIVERY

Is delivery required? [YES/NO]

Delivery address:

[Transnet Engineering: Transnet Engineering Foundry Storage

1 Transnet Road

Opposite SOE (School of Engineering) Koedoespoort

Hilton

Bloemfontein

9301]

11 TIME FRAME

[Two weeks from date of purchase Order (PO), failure to meet the deadline Transnet reserve the right to return the material.]

12 ACCEPTANCE CRITERIA

It is the responsibility of the supplier to ensure the understanding of the requirements/technical requirements of a required product or service. It is also the responsibility of the supplier to enquire and seek clarity on areas that may be unclear.

Upon the delivery of a product/service, the product/service shall be evaluated for conformance to specification requirements, using the acceptance criteria in Table 2 on consumables and the supplier's performance criteria in Table 3.

Bidders are required to complete table below by indicating whether they conform(C) or not conform (NC) to the requirements stipulated below. If the bidder stipulates that

they do not conform to any of the requirements stipulated below, then the bidder will be scored Zero under technical evaluation.

Table 2: Evaluation Criteria-**CONSUMABLES**

	Criteria	Conform(C) and Non-Conform (NC)		Comments
		C	NC	
1.1	Product supplied according to specified quantity.			
1.2	Packaging of product intact.			
1.3	Product not damaged. (During product inspection)			
1.4	Where required, the expiry/shelf-life is provided and meets specification.			
1.5	Material certificate provided.			
1.6	Material certificate inclusive product details required as per specification.			
1.7	Material certificate indicates safety requirements of product.			
1.8	Material certificate indicates storage information of product. (Where applicable)			
1.9	For testing samples (CRMs), verification test performed aligns with the material certificate provided.			

1.10	For testing samples (CRMs), evidence of certification by specified national board provided.			
1.11	For testing samples (CRMs), measurements of uncertainty specified.			
1.12	For products with specific properties' ranges i.e., mass (12kg-18kg), product proves capability to withstand/product is within specified range. (During product inspection/testing)			
1.13	Product is fully functional, capable of fulfilling intended use.			
1.14	Deviations/limitations of product clearly stated. (If applicable)			
1.15	Delivery note provided.			
2.	All items included in the specification to be listed and discretely evaluated (Only items that are in the specification but not covered in sections above).			
2.1.				

During the management contract awarded, Bidder's performance will be assessed in line with the below criteria. The table below shows the ratings from 1- 5, where 1= very poor, 2=poor, 3=satisfactory, 4=good, and 5=excellent

Table 3: Supplier performance evaluation

Vendor's performance criteria	1	2	3	4	5	N/A
Timelines of deliveries						
Quality of parts/product/material/service						
Evidence of supplying parts/product/material/service						
Quantity of parts/product/material						
Competitiveness of price						
Shelf life						
Packaging						
Compliance to specification						
Responsiveness to emails/calls/messages						
General specification compliance						
After purchase support (Training/repair consult)						
Material Datasheet Safety Data sheet						
Warranty						
Accreditation certificate						
Metrological traceability						

Calibration certificate						
Technical requirements						
Total Score						

ENGINEERING: ENGINEERING SYSTEMS ENABLEMENT

QUALITY MANAGEMENT SYSTEM

THERMOCOUPLES

TECHNICAL SPECIFICATION



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1 DOCUMENT VERSION

This specification supersedes all previous specifications for the THERMOCOUPLES

2 PURPOSE

The purpose of this document is to supply the potential supplier with the minimum technical requirements that the supplier must comply to.

3 SCOPE OF SPECIFICATION

The Thermocouples-Antisplash are used to measure temperature of steel(Ferrous metal) melt during melting process. The thermocouples must be covered near the tip to avoid splashing

4 REFERENCE DOCUMENTATION

NONE

5 DEFINITIONS AND ABBREVIATIONS

NONE

6 TECHNICAL REQUIREMENTS

Typical requirements of the Thermocouples	
Thermocouple heating element	Heating element TIP
Type	Type (A) P/N 1013600 SRF
Spec.	600mm TC 101306 P2000

7 QUANTITY

N/A

8 POST PURCHASE SUPPORT

- warranty
- Induction training requirements

- Repair consult

9 DOCUMENTATION REQUIRED

List the documentation required during the procurement stage as well as on delivery of the equipment

9.1 Procurement stage

- Material data sheet.

9.2 On delivery

- Material data sheet.

10 DELIVERY

Is delivery required? YES/NO

Delivery address:

Transnet Engineering: Transnet Engineering Foundry storage

Transnet Road

Opposite SOE (School of Engineering)

Hilton

Bloemfontein

9301

11 TIME FRAME

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