



ISO 9001:2008, 14001:2004,
50001:2011 & OHSAS 18000
MAHARATNA COMPANY

MATERIAL MANAGEMENT (PURCHASE)
CENTRAL FOUNDRY FORGE PLANT, BHEL HARDWAR
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MATERIAL DESCRIPTION

Details of material as per following table:

Item SL No	Material Name	Description	Vendor has to confirm /comment (if any)
1	SIEVE SHAKER ALONG WITH SET OF SIEVES OF 200MM DIA & 35MM HT. OF ISS NO IN MICRONS 1700,850,600,425,300,212,150,106,75,53 WTIH LID AND RECIEVING PAN.IT SHALL OPERATE ON 230V,50CYCLES A.C.SUPPLY AND SHALL HAVE SUITABLE TIMER. IN ACCORDANCE WITH SPEC NO. CFFP/SFQC-13 &14 SPEC: CFFP/SFQC-13 &14 SIZE: AS PER DESCRIPTION	SIEVE SHAKER ALONG WITH SET OF SIEVES OF 200MM DIA & 35MM HT. OF ISS NO IN MICRONS 1700,850,600,425,300,212,150,106,75,53 WTIH LID AND RECIEVING PAN.IT SHALL OPERATE ON 230V,50CYCLES A.C.SUPPLY AND SHALL HAVE SUITABLE TIMER. IN ACCORDANCE WITH SPEC NO. CFFP/SFQC-13 &14 SPEC: CFFP/SFQC-13 &14 SIZE: AS PER DESCRIPTION Note :1. VENDOR SHALL PROVIDE FILLED ANNEXURE OF SPECIFICATION FOR TECHNICAL SUITABILITY (attached). 2. VENDOR SHALL PROVIDE TC, GC & CALIBRATION CERTIFICATE IN LINE WITH RESPECTIVE PURCHASE SPECIFICATION. 3. VENDOR SHALL PROVIDE CATALOG/TECHNICAL DATASHEET ALONGWITH OFFERS.	



**SPECIFICATION
FOR
SIEVES SHAKER**

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Rev No.: 00
Date: 14.09.2015
Page 1 of 2

1.0. SCOPE :

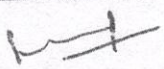
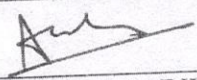
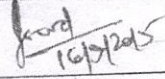
This technical specification covers the supply of sieves shaker to determine GFN of foundry sand.

2.0. TECHNICAL REQUIREMENTS:

- 2.1 The equipment shall be as compatible for testing of foundry sand as per IS 1918-1966.
- 2.2 The equipment shall be able to hold 10 Nos of sieves, lid & receiving pan of dia 200 mm & Height 35 mm.
- 2.3 The equipment shall have timer of 15 minutes minimum.
- 2.4 Equipment shall work at 230v AC , 50Hz.

3.0. GENERAL REQUIREMENTS:

- 3.1 Instrument shall be guaranteed for minimum one year after supply for trouble free service.
- 3.2 The equipment shall be tropicalized for operating temperatures from 4 °C to 50 °C, humidity 20-95 % (RH) & dusty atmosphere.
- 3.3 Supplier shall demonstrate the satisfactory performance of the equipment, if required.
- 3.4 Supplier shall provide three sets of operation and maintenance manual.
- 3.5 Supplier shall provide list of spares for trouble free operation, if any. Price of each shall be quoted separately.
- 3.6 Supplier shall submit Annex-A for technical suitability.

	PREPARED BY	CHECKED BY	APPROVED BY
SIGN AND DATE			
	SUSHANT PANDEY	ARUN K AGARWAL	V K AGARWAL



**SPECIFICATION
FOR
SIEVES SHAKER**

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**Annexure- A
TECHNICAL DATA SHEET FOR SIEVE SHAKER**

Ref:

Vendor:

The vendor should filled the "Offered " Column in compliance to specified requirement and deviation if any

SL NO.	CL. NO.	Properties/particulars*	Specified	Offered
1.	1.0	Scope	To offer	
2	2.1	Equipment compatibility with IS 1918:1966	To confirm	
3	2.2	Holding of 10 Nos of sieve, pan& lid	To confirm	
4	2.3	Provision of timer	To confirm	
5	2.4	Suitability to power source	230V AC , 50Hz.	
6	3.1	Guarantee period	1 year, To confirm	
7	3.2	Operating Condition	To confirm	
8	3.3	Demonstration	To confirm	
9	3.4	Operation & maintenance manual	To confirm	
10	3.5	List of Spares , Budgetary offer	To confirm & provide list with offer, if any.	
11	-	Confirmation of Spec, If any deviation specify	-	

* These are indicative, for more details refer Spec Clause as mentioned. Vendor may use additional pages for Annex-A.

For Vendor



**SPECIFICATION
FOR
SIEVES FOR GFN ANALYSIS**

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**Annexure- A
TECHNICAL DATA SHEET FOR SIEVES**

Ref:

Vendor:

The vendor should fill the "Offered" Column in compliance to specified requirement and deviation if any

SL NO.	CL. NO.	Properties/particulars*	Specified	Offered
1	1.0	Scope	To offer	
2	2.1	IS 460 :1985	To confirm	
3	2.2	Sieve size Group-A Group-B	To confirm	
4	2.3	Diameter & height of sieves	To confirm	
5	2.4	Height of assembly	To confirm	
6	2.5	Supply of lid & pan	To confirm	
7	3.1	TC along with equipment	To confirm	
8	3.2	Calibration Certificate	To confirm	
9	3.3	Identification	To confirm	
10	-	Confirmation of Spec & IS, If any deviation specify	-	

* These are indicative, for more details refer Spec Clause as mentioned. Vendor may use additional pages for Annex-A.

For Vendor



**SPECIFICATION
FOR
SIEVES FOR GFN ANALYSIS**

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Rev No.: 01
Date: 11.01.2020
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1.0. SCOPE:

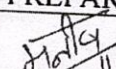
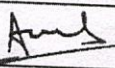
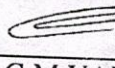
This technical specification covers the requirement of sieves to determine Grain Fineness Number (GFN) of sand sample (Group "A"), steel shots & metallic powders (Group "B").

2.0. TECHNICAL REQUIREMENTS:

- 2.1 Sieves shall be as per IS:460 :1985.
- 2.2 Sieve sizes
- (a) Sand testing: Group "A"
1700, 850, 600, 425, 300, 212, 150, 106, 75, 53 (sizes in microns)
- (b) Other testing: Group "B"
2000, 1400, 1180, 212, 180, 45 (sizes in microns)
- 2.3 Diameter of sieve shall be 200 mm & height 35 mm.
- 2.4 Height of assembly of 10 Nos of sieve, lid & pan shall be not more than 220 mm to accommodate assembly for testing in sieve shaker.
- 2.5 Supplier shall provide 1 set of one lid & one receiving pan with group "A" sieves.

3.0. GENERAL REQUIREMENTS:

- 3.1 Vendor shall provide TC along with equipment.
- 3.2 Supplier shall provide calibration certificate with equipment.
- 3.3 Identification shall be maintained in each sieve as per IS.
- 3.4 Supplier shall submit Annex-A for technical suitability.

SIGN AND DATE	PREPARED BY	CHECKED BY	APPROVED BY
	 11/01/2020	 11/01/2020	 11/01/2020
	MANISH PATHAK	ARUN K AGARWAL	G M VARMA