

PART-A: PRE-QUALIFICATION CRITERIA

The BIDDER / VENDER has to compulsorily meet all the following requirements to get qualified for consideration of the technical offer for the SUPPLY of STEEL SHOTS. If the vendor does not qualify as per PRE-QUALIFICATION CRITERIA, the technical offer of such BIDDER(S) / VENDOR(S) offer will not be considered.

SL.NO	REQUIREMENTS	VENDORS COMMENTS
1.	The BIDDER(S) shall be a manufacturer or an Authorized dealer of STEEL SHOTS. In case of dealers valid authorization certificate should be submitted along with offer, failing which the offer will not be considered.	
2.	The BIDDER(S) VENDOR(S) shall have a minimum of three years of continuous experience in the field of steel shots (SS-1180(S-460) IS-4606/1983 for tubes shot blasting applications with working condition of Lab testing for chemical analysis, physical analysis, sieve analysis, micro structure and hardness test examination. The BIDDER/VENDOR should necessarily attached certificate of Incorporation/ Deed of partnership/ certification of registration or any other documents supporting the above experience.	
3.	The BIDDER(S)/VENDOR(S) shall have supplied for ROTOBLAST application Lab testing for chemical test, physical test, sieve test, micro structure and hardness test examination to at least two Industries in the past two years and the performance of the same should have been satisfactory. The BIDDER/VENDOR should necessarily attach purchase order copy/performance certificate or any other documents supporting the above supply.	
4.	The reference list of customers to whom earlier supplies were made shall be attached with the details (Name, Phone number/-E-mail ID) of the CONTACT PERSON for cross reference by BHEL.	
5.	Any Deviations in Technical specification may lead to Rejection of the offer.	

Annexure-IV for Sl. No: 40

AVAILABLE FOR TEST CERTIFICATE FOR STEEL SHOTS

FROM CUSTOMERS

TEST	SPECIFICATION NO:AS PER IS:4606/1983.
<u>(1) CHEMICAL ANALYSIS</u>	
CARBON	0.60 TO 1.25%
MANGANESE	1.25%
SILICON	0.20TO1.1% MAX.
SULPHUR	0.08% MAX
PHOSPHORUS	0.08% MAX
<u>(2) PHYSICAL ANALYSIS</u>	
SPECIFIC GRAVITY/ DENSITY	7.00G /ML.MIN.
<u>(3)HARDNESS</u>	400 TO 500 HV
<u>(4)SIEVE ANALYSIS</u>	2.00 MM—ALL PASS 1.70 MM –05% MAX 1.18MM—80% MAX 1.0 MM-11% MAX PAN—04% MAX
<u>(5) MICROSTRUCTURE EXAMINATION</u>	FINE TEMPERED MARTENSITIC

Annexure-IV for Sl. No: 40

FOR ROTOBLAST USING PURPOSE.

MATERIAL DISC: : HEAT TREATED STEEL SHOTS FOR ROTOBLAST MACHINE.

TYPE& SPECIFICATION: : SS-1180 (S-460) : IS:4606/1983.

QUANTITY : : 12000 KG.

REF-STD: : IS-4606/1983.

INDENT NO. : 125733143 DATE:02.07.2019

AVAILABLE AREA: : BPN/TP/BLDG.50/BAY-A.(ROTOBLAST MACHINE)

USING MATERIALS: : SHOT BLASTING IN ALL KINDS OF LOOSE TUBES.
SPECIALLY- GR-C, T11, T12, &T22.

QUALITY : HEAT TREATED STEEL SHOTS WILL NOT BE USED DUE TO THE MACHINE
WORKING CONDITION.

INSPECTION: : PRE DESPATCH INSPECTION TO BE CARRIED OUT BY BHEL STAFF.

REQUIRED QTY/YEARLY: 12000 KG/Year

REQUIRED KINDS OF PRE DESPATCH LAB TESTING:

- 1. CHEMICAL TEST**
- 2. PHYSICAL TEST.**
- 3. HARDNESS TEST**
- 4. SIEVE TEST**
- 5. MICROSTRUCTURE TEST.**

NOTE: (1) LAB TESTING CERTIFICATE TO BE PRODUCED ALONG WITH MATERIALS. WITH OUT LAB TESTING CERTIFICATE MATERIALS. WILL NOT BE ACCEPTED.

(2) BHEL. NAME AND BPN/TP/BLDG.50/STORES DEPARTMENT CODE

MENTIONED THE DELIVERY CHALLAN COPY.