

PQ CRITERIA FOR STEEL ROUND

"Essential Eligibility Criteria:

1) Firm must be manufacturer for Alloy Steel Bars/Billets . Offers from manufacturer /OEM will only be accepted."

2) Firm should be able to supply minimum 200 nos. of parted, proof machined, UT Tested Steel billet of specified dimension per heat / Cast.

"3. The vendor should have following manufacturing facilities with them:

a) Blast Furnace with L.D. converter (Basic Oxygen Furnace) or Electric Arc Furnace Or induction Furnace."

b) Continuous caster or Bottom pouring ingot casting facility

c) Ladle Refining furnace along with Argon purging system.

d) Vacuum degassing furnace along with Argon purging system.

e) Soaking Pits or Pre heating Furnace suitable for processing of tendered item.

f) Forging or Rolling Mill to maintain adequate reduction ratio to obtain desired metallurgical micro structure.

g) Steel Round Parting machine: Band Saw/CNC Parting/Circular Saw/Water Jet.

h) Annealing or Normalising Furnaces.

i) Optical emission Spectrometer for chemical analysis.

"j) Mechanical test facilities, as applicable.

"k) Metallographic facilities for Micro and Macro Analysis.

"l) Ultrasonic Testing facilities with qualified personnel.

m) Carbon Sulphur analyzer