

Material Requirement:

Sl.No.	Material	Material spec	Stock (mm)	Qty.
1	Al Alloy	BSL 168 T6 / HE15AST/T6	Ø155x3300	Each one
2	Case carburised steel	S156	Ø60x2900	
3	Case carburised steel	S156	Ø35x1100	
4	Nitriding steel	S106/30CD12	Ø80x3900	
5	Nitriding steel	S106/30CD12	Ø25x3800	
6	Nitriding steel	S132	Ø150X2200	
7	Structural steel	S80	Ø30X1100	
8	Structural steel	MDN-15-5-PH	Ø50X1700	
9	Structural steel	MDN-15-5-PH	Ø55X1100	
10	Structural steel	MDN-15-5-PH	Ø35X14100	
11	Structural steel	MDN-15-5-PH	Ø20X2500	
12	Sub zero steel	S135	Ø30x5600	
13	Bronze	C67400/ CuZn35Mn2AlFe	Ø25 X 2400	

Supply conditions

- Material should conform to standards as in material specification table  
Material should be supplied from latest batch of manufacture and should be covered with original certificates, relevant test reports and **COC certificate is must.**  
Test certificates shall include
  - Chemical composition
  - Mechanical properties on heat treated specimens and
  - Metallurgical analysis for each Heat number confirming to above standards in originals.
  - NDT test reports
- The manufacturing and testing facility of the supplier should have NADCAP approvals along with AS 9100 accreditations, wherever applicable.
- 100% Ultrasonic inspection has to be conducted on the material and shall meet levels of class- AA and the original Ultrasonic inspection certificates signed by authorized signatory should be provided along with the materials.
- The material supplied shall be identified with respective Heat numbers and batch numbers. Stencil the condition of the material on each item i.e.  
**“Heat Number and Serial Number should be marked / Punched on each rod ends”.**
- All the above certificates should be sent to CMTI in advance before shifting the materials. All the materials are to be shipped only after obtaining the acceptance and confirmation on the basis of all the certificates from CMTI.

