**Specification Requirement of Square Steel Bar**

| Lot one square steel bar | | | | |
|---|---|---|---|---|
| **no** | **description** | **specification** | **UOM** | **Qty** |
| 1 | Square steel bar | ST/60/115*115mm<br>Length 6m radius at 4 corner (R32.5 ± 0.5)<br>C= 0.55-0.6 %(±0.01)<br>Mn= 0.5-0.8%(±0.01)<br>Si = 0.17-0.37%(±0.01)<br>P = 0.05%, Cr = 0.3%max. Ni = 0.5%max<br>Cu = 0.3%max, S = 0.05%max, Fe = rest<br>Tensile stress=64 $\frac{k}{m^2}$ min; yield stress point 38 $\frac{k}{m^2}$<br>Min elongation= 10% min, section shrinkage= 35%max. hardness= HB= 255 max bending 5mm max per 1000mm surface defect 2mm | kg | 520,341 |
| **2** | Square steel bar | ST/ 60/ 105-105mm length 6m Radius at 4 corner (R31.5±0.5)<br>C= 0.55-0.6%(±0.01)<br>Mn 0.5-0.8%(±0.01)<br>Si= 0.17- 0.37%(±0.01)<br>P= 0.05%, Cr = 0.3% max., Ni =0.5% max., Cu = 0.3% max., S= 0.05% max, Fe = rest<br>Tensile stress = Tensile stress=64 $\frac{k}{m^2}$ min; yield stress point 38 $\frac{k}{m^2}$<br>Min elongation= 10% min, section shrinkage= 35%max. hardness= HB= 255 max bending 5mm max per 1000mm surface defect 2mm | kg | 89,001 |