**Date: 13.07.2015**

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| ESO Ref.  Doc.No. | Division | Subject | Details | Scheduled for |
| 121 | DOP/PIP | Manufacturing, Test and Delivery of Mirrors for the Coude Train of the Auxiliary Telescopes | The scope of this Call-for-Tender is to procure a new set of mirrors for the Auxiliary Telescopes of the Paranal Observatory. The characteristics of the mirrors are given below:   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Mirror** | **Shape** | **Radius of curvature (mm)** | **Diameter (mm)** | **Thickness (mm)** | | M4 | Flat | ∞ | 76.2 ± 0.05 | 14.7 ± 0.1 | | M5 | Spherical | 1595 ± 1 | 106 +0 / -0.1 | 14.2 ± 0.1 (centre) | | M7 | Spherical | 3826 ± 2 | 300 +0 / -0.2 | 47.1 ± 0.1 (centre) | | M8 | Cylindrical | Rx > 50 km  Ry = 191 000 ± 1500 | 204 ± 0.1 | 40 ± 0.1 |   The mirrors shall be coated with Balzers Silflex MK II or equivalent provided that the reflectivity is equal or higher in the required spectral range 450-3500 nm.  The mirrors are replica of existing mirrors currently in operation on the Auxiliary Telescopes. Considering that the radii of curvature must be the same, there will be no manufacturing tool adaptations.  The number of ordered mirror set (M4,M5,M7,M8) may reach up to 5.  This procurement include the manufacturing, test and delivery of the mirrors to ESO Garching.  The Call for tender is scheduled to be issued in the third quarter of 2015 to companies in ESO Member States and Brazil. | Q3 2015 |