ЈУП ИСТРАЖИВАЊЕ И РАЗВОЈ ДОО БЕОГРАД
Бр. 3244/3
10.10. 14
20 год.
БЕОГРАД

IOP/6-2013/G/CEB1-EIB/**B**

Regarding the requests for additional clarification of the tender documents for procurement of capital equipment no IOP/6-2013/G/CEB1-EIB/B, for the period from 02/10/2014, we submit the following answers:

Supplement - Question and Answer No. 8:
(Registered under No. 3163 of 02.10.2014.)

With reference to Tender Project Public Sector Research and Development, your reference no. IOP/6-2013/G/CEB1-EIB/B, we would like to ask you to clarify the following:

ON171038, Item 1303

- Is an Air Bearing solution absolutely required or would a mechanical system be acceptable?
- What is the accuracy needed over the whole travel of 50mm?
  - Is this in X or in XY?
- What is the repeatability over the 50mm?
  - Is this in X or in XY?
- What is the requested speed?
- What will be the weight (payload) to move?
- What is the in position stability?
- Will the machine operate in a cleanroom?
  - If so what is the cleanliness level?
  - Is this room temperature controlled and if yes to what extent?
- Are there any flatness requirements?
- Are there any straightness requirements?
- Are there any pitch, roll or yaw requirements?

Answer:

ON171038, Item 1303

Air bearings are not absolutely necessary
Accuracy over the whole travel 250 nm, along both axes
Repeatability 75 nm, along both axes
Maximum speed 350 mm/s
Payload 1 - 5 kg
In-position stability 1 nm
Device will not work in clean-room environment

flatness 1.5 um
strainghtness 1.5 um
Pitch 10 arc sec
Roll 10 arc sec
Integrated low-profile XY linear motor stage
High resolution (1 nm), repeatability (75 nm), and accuracy (250 nm)
In-position stability of <1 nm
Anti-creep crossed-roller bearings Yaw 5 arc sec

President of the Commission

Strahinja Đuričanin